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INDEX

1959



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THE UNITED STATES  
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1959



UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1960

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- Abrams, Ralph, to Cambridge Thermionic Corp. Insulating mount. 2,899,486, 8-11-59, Cl. 174-166.
- Abrams, Ralph, to Cambridge Thermionic Corp. Trimmer capacitor. 2,910,635, 10-27-59, Cl. 317-249.
- Abrams, Ralph, to Cambridge Thermionic Corp. Electrically insulating devices. 2,918,521, 12-22-59, Cl. 174-152.
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- Abrams, Victor R., to W. F. and John Barnes Co. Food sterilizer. 2,909,985, 10-27-59, Cl. 99-251.
- Abramson, Alvin A., to Central States Paper & Bag Co. Packaging covers for coiled sheet material. 2,883,045, 4-21-59, Cl. 206-59.
- Abramson, Harold A. Deodorant composition. 2,893,918, 7-7-59, Cl. 167-90.
- Abramson, Harvey J., to Sears, Roebuck and Co. Multiple-hanging garment shipping container. 2,873,851, 2-17-59, Cl. 206-7.
- Abramson, Hugo, to Aktiebolaget C.E. Johansson. Indicator device for measuring instruments. 2,900,732, 8-25-59, Cl. 33-172.
- Abramson, Ralph J.: See—  
Klipp, Jerome M., and Abramson. 2,868,557.
- Abrasive Co. of America: See—  
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- Abresch, Carel F., to General Motors Corp. Domestic appliance. 2,905,022, 9-22-59, Cl. 103-87.
- Abresch, Carel F., to General Motors Corp. Dishwasher. 2,907,335, 10-6-59, Cl. 134-176.
- Abresch, Carel F., to General Motors Corp. Domestic appliance. 2,907,470, 10-6-59, Cl. 211-126.
- Abreu, Francisco D. Loom shuttle. 2,881,806, 4-14-59, Cl. 139-196.
- Absorbent Cotton Co., The: See—  
London, Melvin D. 2,891,544.
- Abzug, Malcolm J., to Sperry Rand Corp. Aircraft automatic pilot. 2,884,212, 4-28-59, Cl. 244-77.
- Account-Tokens Ltd.: See—  
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- Accumulatoren-Fabrik Aktiengesellschaft: See—  
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- Bronstert, Franz. 2,915,577.
- Clostermann, Klaus, and Borchers. 2,887,523.
- Garten, Wilhelm. 2,882,330.
- Hagssphl, Paul. 2,909,586.
- Ace Products Co.: See—  
Fall, Albert P. 2,884,654.
- Ace Tool Engineering Co., Inc.: See—  
Coy, Homer E. 2,895,226.
- Aceto, Nicholas C.: See—  
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- Achtziger, Christoph, to Porzellanfabrik Weiden Gebr. Bauscher, Zweigniederlassung der Lorenz Hutschenreuther Akt. Soup cup. 2,893,583, 7-7-59, Cl. 215-10.
- Achtznick, Heinz: See—  
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- Acker, Robert C.: See—  
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- Acker, William L., Jr. Automatic chucking device for drill pipes and the like. 2,905,998, 9-29-59, Cl. 24-254.
- Ackerlind, Erik. High frequency pen recorder. 2,879,499, 3-24-59, Cl. 340-174.
- Ackerman, Carl L., to Avco Mfg. Corp. Television receiver chassis construction. 2,896,201, 7-21-59, Cl. 340-367.
- Ackerman, Harold S. Heat transfer apparatus. 2,918,043, 12-22-59, Cl. 122-156.
- Ackerman, Harold T.: See—  
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- Ackerman, Robert M. Automatic welding fixture for crusher rollers. 2,914,651, 11-24-59, Cl. 219-76.
- Ackerman, Stanley C.: See—  
Kotsch, William E., and Ackerman. 2,901,667.
- Ackermann, Frank F., to H. T. Ackerman. Wobbler type stuffing box. 2,902,302, 9-1-59, Cl. 286-31.
- Ackermann, Franz: See—  
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- Ackermann, Franz, and A. E. Siegrist, to Ciba Ltd. Process for the optical brightening of materials of polyesters. 2,875,089, 2-24-59, Cl. 117-33.5.
- Ackermann, Herman H., to Ralltrack Equipment Corp. S.A. Ball head grinding mechanism. 2,906,064, 9-29-59, Cl. 51-54.
- Ackermann, Hugo: See—  
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- Ackermann, Hugo, and G. Crümmenerl, to H. Ackermann. Detachable tool holder, especially for grooving files. 2,917,813, 12-22-59, Cl. 29-80.
- Ackermann, Paul: See—  
Kölbel, Herbert, and Ackermann. 2,868,627.
- Ackermann, Walter, to Radio Corp. of America. Apparatus for removing coatings. 2,891,433, 6-23-59, Cl. 81-9.51.
- Ackerson, Mildred O. Device for holding infants. 2,876,459, 3-10-59, Cl. 4-185.
- Acklam, Merle E. Pennant support. 2,905,140, 9-22-59, Cl. 116-173.
- Ackles, Robert N., to Enu Laboratories, Inc. Mixer agitator. 2,918,264, 12-22-59, Cl. 259-134.
- Ackley, John W., to Deere & Co. Liquid fertilizer attachment. 2,888,891, 6-2-59, Cl. 111-80.
- Ackley, John W., to Deere & Co. Tank enclosure. 2,891,694, 6-23-59, Cl. 220-24.5.
- Ackley, Thomas, to J. J. Donovan. Outrigger fishing pole supports. 2,898,065, 8-4-59, Cl. 248-40.
- Acme Ball Bearing & Mfg. Co.: See—  
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- Acme-Hamilton Mfg. Corp., The: See—  
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- Acme Hanger Corp.: See—  
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Acme Precision Products, Inc.: See—  
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Acme Protection Equipment Co.: See—  
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Attwood, Charles E. 2,901,308.  
Deinlein, Victor E., and Tisdale. 2,914,211.  
Freiberg, Stanley B. 2,888,932.  
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Acton, Daniel D., to Anchor Hocking Glass Corp. Screw cap and sealed package. 2,916,175, 12-8-59, Cl. 215-44.  
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Houghton, Richard W., and Crosby. 2,918,625.  
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Cross, Carroll N., and Hayhow. 2,916,242.  
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Adam, Elisabeth, and L. W. Granirer. Preparation derived from placental tissue for relieving rheumatoid arthritis. 2,907,695, 10-6-59, Cl. 167-74.  
Adam, Folger. Jail locking devices, and the like. 2,899,027, 8-11-59, Cl. 189-7.  
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Adams, Arthur, and R. Slack, to May & Baker Ltd. 5-amino-3-methyl-isothiazole and process. 2,871,243, 1-27-59, Cl. 260-306.8.  
Adams, Benjamin F., Jr., to E. I. du Pont de Nemours and Co. Process for shrinking polyacrylonitrile textiles with specific chemical shrinking agents. 2,869,974, 1-20-59, Cl. 8-130.1.  
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Adams, Dennis A. W., and A. K. Sarkar, to Hickson & Welch Ltd. Optical whitening agents. 2,875,106, 2-24-59, Cl. 117-335.  
Adams, Dustin S., and J. F. Bowling, to E. I. du Pont de Nemours & Co. Winding apparatus. 2,907,165, 10-6-59, Cl. 57-75.  
Adams, E. O. N., Redmond, Oreg. 25% to M. L. Hogan. Seed package and dispenser. 2,867,359, 1-6-59, Cl. 222-485.  
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- Agnello, Eugene J., and G. D. Laubach, to Chas. Pfizer & Co., Inc. 16-fluoro-3-keto-17<sup>β</sup>-(β-hydroxy-propanoyl)-Δ<sup>4</sup>-androstenes and derivatives thereof. 2,915,434, 12-1-59, Cl. 167-77.
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- Ahlen, Tore P. Bearing arrangement for slender cross members in wide conveyors. 2,881,903, 4-14-59, Cl. 198-183.
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Albrighton, Reginald F., and W. R. Smith, to General Railway Signal Co. Posting indicator control system. 2,916,613, 12-8-59, Cl. 246-122.  
Albro, Paul W., and V. F. Cartwright, to United States of America, Navy. Phase stable divider. 2,885,553, 5-5-59, Cl. 250-27.  
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Alcaro, Anthony. Means for attaching baking pan covers to baking pans. 2,903,151, 9-8-59, Cl. 220-23.2.  
Alco Products Inc.: See—  
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Alco Valve Co.: See—  
Dube, John E., and Schoen. 2,870,717.  
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Tilney, Ralph B. 2,888,039.  
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Alcover, Gabriel, to Picas International Ltd. Gymnastic device. 2,909,371, 10-20-59, Cl. 272-79.  
Alcus, Felix L. System and apparatus for drying air. 2,903,861, 8-15-59, Cl. 62-93.  
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Alden, Milton. Recording electrode. 2,879,129, 3-24-59, Cl. 346-139.  
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Nyman, Alexander. 2,888,516.  
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Alderfer, Sterling W., and Bodley. 2,898,626.  
Alderfer, Sterling W., and H. D. Bodley, to Sterling Alderfer Co. Method and apparatus for forming foamed material. 2,898,626, 8-11-59, Cl. 18-4.  
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Alderman, Edwin N., E. I. Spearman, and C. M. Stout, to The Dow Chemical Co. Thickened petroleum liquid especially for treating wells. 2,914,476, 11-24-59, Cl. 252-8.55.  
Alderman, Edwin N., Jr., and C. M. Stout, to The Dow Chemical Co. Corrosion inhibition of brine. 2,913,420, 11-17-59, Cl. 252-389.  
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Alderman, Jerome E., deceased, by F. B. Alderman, executrix. Electroencephalographic electrode. 2,872,926, 2-10-59, Cl. 128-410.  
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Alderman, Leon D., C. P. Cardani, E. S. Kant, and H. B. Kimball, to United Shoe Machinery Corp. Machines for cutting, forming and fastening components. 2,896,213, 7-28-59, Cl. 1-102.  
Alders, Lucas, J. P. Fortuin, H. Mondria, and G. H. Reman, to Shell Development Co. Process for the separation of diisopropylbenzene dihydroperoxides. 2,915,558, 12-1-59, Cl. 260-610.  
Alders, Lucas, N. Max, and J. J. Tjepkema, to Shell Development Co. Purification of haloalcohols. 2,891,098, 6-16-59, Cl. 260-633.  
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- Aldinger, Ulrich: See—  
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- Aldinger, Ulrich, and F. Ehelm, to Robert Bosch, G.m.b.H.:  
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- Aldinger, Ulrich, and J. Weber, to Robert Bosch, G.m.b.H.:  
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- Aldington, Elmer T., to American Can Co.:  
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- Aldon Co., The: See—  
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- Aldred, Eldon D.: See—  
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- Aldredge, Howard D.: See—  
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- Aldredge, Robert L. and H. D., to Container Service Co.:  
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- Aldrich, Donald F., and W. E. Newell, to Westinghouse Electric Corp.:  
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- Aldrich, Ellwood H.:  
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- Aldrich, Ellwood H.:  
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- Aldrich Machine Works: See—  
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- Aldridge, Clyde L.: See—  
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- Aldridge, Clyde L., and E. M. Charlet, to Esso Research and Engineering Co.:  
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- Aldridge, Clyde L., W. E. Catterall, and D. W. Wood, to Esso Research and Engineering Co.:  
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- Aldridge, Clyde L., and E. A. Hunter, to Esso Research and Engineering Co.:  
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- Aldridge, John E., to Kurer-Empson Co.:  
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- Aldridge, Robert C.: See—  
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- Aldridge, Seth E.:  
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- Aleksa, Peter, to General Telephone Laboratories, Inc.:  
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- Aler, Richard P.:  
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- Alessi, Andrew J., Jr.: See—  
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- Gottsch, Ira S., Hirschey, and Alessi. 2,901,972.
- Hirschey, Malcolm, and Alessi. 2,889,767.
- Hirschey, Malcolm, Gottsch, and Alessi. 2,879,711.
- Alessio, Ernesto D.:  
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- Alexander, Allen A.: See—  
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- Alexander, Ben, to International Telephone and Telegraph Corp.:  
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- Alexander, Carl Z.:  
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- Alexander, Charles F.:  
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- Alexander, Douglas S., and W. A. Henry, to Polymer Corp. Ltd.:  
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- Alexander, Ernest J.: See—  
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- Alexander, Focaneanu: Voltage testing device. 2,892,117, 6-23-59, Cl. 313-146.
- Alexander, Frank M., to Industrial Nucleonics Corp.:  
Measuring and controlling system. 2,909,660, 10-20-59, Cl. 250-52.
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Organophilic and hydrophilic composition. 2,886,460, 5-12-59, Cl. 106-308.
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Process for modifying the properties of a silica sol and product thereof. 2,892,797, 6-30-59, Cl. 252-313.
- Alexander, Guy B., to E. I. du Pont de Nemours and Co.:  
Chemical process and composition. 2,913,419, 11-17-59, Cl. 252-313.
- Alexander, Herbert C., to Bomac Laboratories Inc.:  
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- Alexander, Herbert C., and J. E. Burr, Jr., said Alexander assor. to Bomac Laboratories Inc.:  
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- Alexander, James M., and O. T. Homan: Rocket projectile. 2,884,859, 5-5-59, Cl. 102-38.
- Alexander, Jeanne E.: See—  
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- Alexander, Laurence R., and L. J. Rzewinski: Power supply. 2,891,479, 6-23-59, Cl. 102-70.2.
- Alexander, Lewis W.: See—  
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- Alexander, Lewis W., to Halco Corp.:  
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- Alexander, Marcel R.: See—  
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- Alexander, Matthew A.: See—  
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- Alexander, Matthew A., and R. Stuart-Williams, to Tele-meter Magnetics, Inc.:  
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- Alexander, Paul, to Union Carbide Corp.:  
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- Alexander, Paul, to Continental Can Co., Inc.:  
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- Alexander, Perry L., Jr.: See—  
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- Alexander, Ray H.:  
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- Alexander, Robert L., to The Altex Corp.:  
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- Alexander, Rolf: Conveyance of liquids through pipelines. 2,892,416, 6-30-59, Cl. 103-234.
- Alexander, Verna C.:  
Interlocked flooring and method. 2,914,815, 12-1-59, Cl. 20-8.
- Alexander, Walter B., to Acme Precision Products, Inc.:  
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- Alexander, Wendal A., to National Research Council: Preparation of oxidation catalytic units. 2,883,346, 4-21-59, Cl. 252-473.
- Alexander, William W., to The Distributor's Group, Inc.:  
Method and article for lubricating sewing machines and the like. 2,897,774, 8-4-59, Cl. 112-256.
- Alexander, William W., and R. M. Magee: Lubricant dispenser for lubricating strip material. 2,908,246, 10-13-59, Cl. 118-168.
- Alexanderson, Ernst F. W.: Motor control system. 2,876,408, 3-3-59, Cl. 318-345.
- Alexanderson, Harald V., and C. O. Sohberg, to Telefonaktiebolaget L M Ericsson: Dial. 2,887,539, 5-19-59, Cl. 179-600.
- Alexandroff, Sergei D.:  
Valve assembly for an internal combustion engine. 2,917,036, 12-15-59, Cl. 123-188.
- Alexandrovsky, George: Screw conveyor and method for its manufacture. 2,917,815, 12-22-59, Cl. 29-156.8.
- Alexoff, Alexander V., to Oehler Development & Mfg. Corp.:  
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- Alexoff, Alexander V., and H. R. Richards, to Industrial Ovens, Inc.:  
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- Alf, Fritz, to Deutsche Edelstahlwerke Akt., and Allgemeines Elektrizitäts-Gesellschaft: Method of and apparatus for progressively heating metal strip by the direct passage of an electric current therethrough. 2,894,115, 7-7-59, Cl. 219-155.
- Alf, Fritz, V. Seul, and J. Lenze, to Deutsche Edelstahlwerke Akt., Allgemeines Elektrizitäts-Gesellschaft, and Stahl- und Walzwerke Rasselstein/Andernach Akt.: Method of progressively heating sheet metal and an induction coil for performing the method. 2,897,328, 7-28-59, Cl. 219-10.41.
- Alber, Giuseppe, to Fabbrica Italiana Magnet Marelli: Device for automatic control of friction clutch in automotive vehicle. 2,908,364, 10-13-59, Cl. 192-3.5.
- Alford, Andrew: Coaxial switch. 2,876,303, 3-3-59, Cl. 200-6.
- Alford, Andrew: Aperiodic directive antenna. 2,910,694, 10-27-59, Cl. 343-732.
- Alford, Andrew W.: Means for matching the characteristic impedance of a coaxial conductor. 2,880,398, 3-31-59, Cl. 333-22.
- Alford, Edwin L., to W. W. Garber: Radio-proof electric firing device. 2,918,001, 12-22-59, Cl. 102-28.
- Alford, Maitland W.: See—  
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- Alford Package Machines, Inc.: See—  
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- Alfreds, Torris H.: See—  
Bennett, Anthony, and Alfreds. Re. 24,714.
- Alfredsson, Per-Olof: See—  
Allander, Claes, Alfredsson, and Wallin. 2,899,180.
- Algase, Lawrence L., to Instruments for Industry, Inc.:  
Duplex operation using alternately keyed distributed amplifiers. 2,900,634, 8-18-59, Cl. 343-178.
- Alger, James C.: Hub cap lock. 2,874,561, 2-24-59, Cl. 70-169.
- Alger, Jerry T., to Configured Tube Products Co.:  
Flame deflector. 2,877,837, 3-17-59, Cl. 158-113.
- Alger, Jerry T., to Cribben and Sexton Co.:  
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- Alger, John: Refreshment plate holders. 2,916,180, 12-8-59, Cl. 220-23.86.

- Alger, Philip L., to General Electric Co.: Reactor controlled dual winding induction motor. 2,894,190, 7-7-59, Cl. 318-228.
- Alginate Industries Ltd.: See—  
Merton, Robert R., McDowell, and Aylett. 2,895,910.
- Mitchell, Ernest K., and McDowell. 2,902,446.
- Aligino, Joseph M.: See—  
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- Aligino, Joseph M., and J. S. Slimak, to The Dole Valve Co.: Safety shut-off gas valve. 2,869,566, 1-20-59, Cl. 137-66.
- Alheim, Robert J.: See—  
Hein, Delton W., Alheim, and Barabutes. 2,877,252.
- Alhertiere, Louis, and F.-X. Poincet, to Les Usines de Melle (Societe Anonyme): Manufacture of highly pure ethyl alcohol. 2,878,167, 3-17-59, Cl. 202-40.
- Alholm, Wayne I., J. R. Campbell, A. B. Foye, A. J. Lynn, and D. L. Shanklin, to W. R. Grace & Co.: Gasket applying machine. 2,907,300, 10-6-59, Cl. 118-323.
- Allum Corp.: See—  
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- Allmanestiano, Mihai, to Speed-Park Inc.: Automobile parking apparatus. 2,890,802, 6-16-59, Cl. 214-16.1.
- Allmanestiano, Serban, to Speed-Park, Inc.: Transfer device. 2,915,204, 12-1-59, Cl. 214-16.4.
- Allnari, Carlo: Panoramic mount for cinematographic cameras. 2,894,709, 7-14-59, Cl. 248-186.
- Allosa-Establissement: See—  
Alber, Robert. 2,884,646.
- Alizon, Etienne, to Compagnie Industrielle des Telephones: Device for the regeneration of telegraph signals. 2,898,404, 8-4-59, Cl. 178-470.
- Alkire, Innis D., to North American Aviation, Inc.: High temperature spring seal. 2,875,917, 3-3-59, Cl. 220-46.
- Alkire, Robert L.: See—  
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- Allais, Andre, and P. Girault, to U. C. L. A. F.: 2,3-dichloro-2-butene-1,4-bis-(8-thioacetic acid) and process for preparing same. 2,885,437, 5-5-59, Cl. 260-537.
- Allais, Andre, and C. Hoffmann, to Les Laboratoires Francais de Chimiotherapie: Process of producing cis-testosterone. 2,918,482, 12-22-59, Cl. 260-397.4.
- All American Engineering Co.: See—  
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- Doollittle, Donald B.: 2,906,476.
- Doollittle, Donald B.: 2,906,476.
- All-American Mfg. Co.: See—  
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- Allander, Claes, P.-O. Alfredsson, and S. Wallin, to Aktiebolaget Svenska Flakfabriken: High-velocity air-conditioning. 2,899,180, 8-11-59, Cl. 257-277.
- Allander, Claes, to Aktiebolaget Svenska Flakfabriken: Ventilating unit provided with an electric heater. 2,914,648, 11-24-59, Cl. 219-39.
- Allard, Harrie M., to Improved Machinery, Inc.: Injection molding machine nozzle. 2,871,517, 2-3-59, Cl. 18-30.
- Allard, Marc, B. Trentini, and L. Wahl, to Institut de Recherches de la Siderurgie: Method for desulfurizing molten metal and in particular liquid pig iron. 2,906,616, 9-29-59, Cl. 75-51.
- Allard, Nils G. E.: Device for automatic lubrication of rail curves. 2,871,980, 2-3-59, Cl. 184-3.
- Allbright-Nell Co., The: See—  
Allbright, Norman J., and Hilsley. 2,881,942.
- Feris, Richard D. 2,914,103.
- Hilsley, Ralph W. 2,908,424.
- Allbright, Norman J., and R. W. Hilsley, to The Allbright-Nell Co.: Container closure structure. 2,881,942, 4-14-59, Cl. 220-41.
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- Allebach, Karl A., to Northrop Corp.: Bi-directional counter mechanism. 2,904,250, 9-15-59, Cl. 235-91.
- Allgemeine Elektrizitäts-Gesellschaft: See—  
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- Allegheby Ludlum Steel Corp.: See—  
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- Crede, John H., Henke, Pulaski, and Stroble. 2,867,557.
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- Laine, Edward A. 2,905,078.
- Lena, Adolph J., and Bush. 2,874,082.
- Passafaro, Anthony L., Braun, and Powers. 2,876,598.
- Patterson, Walter M., Connor, and Shaw. 2,869,197.
- Zaremski, Donald R. 2,871,175.
- Zaremski, Donald R., and Bolzay. 2,913,360.
- Allegretti, Anthony J., to R. R. Donnelley & Sons Co.: Adhesive composition comprising water, bentonite and polyvinyl methyl ether. 2,884,896, 4-28-59, Cl. 260-29.6.
- Allegretti, Anthony J., and R. P. Fischer, to The Cuneo Press, Inc.: Method and apparatus for preparing and binding books. 2,897,523, 8-4-59, Cl. 11-1.
- Allegretti, John E., to Merck & Co., Inc.: Stable vitamin A compositions. 2,897,118, 7-28-59, Cl. 167-81.
- Allegria, Louis A., and L. F. Bush: Electrical oil level measuring device. 2,889,545, 6-2-59, Cl. 340-244.
- Alleman, Carl E.: See—  
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- Alleman, Hugo: Rotary or turning arrangements on fashioning machines. 2,883,897, 4-28-59, Cl. 82-2.
- Alleman, Hugo, to Hugo Alleman A.G.: Automatically controlled machine tool. 2,898,784, 8-11-59, Cl. 77-34.5.
- Alleman, Hugo, A.G.: See—  
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- Allen, Alan A., to Mill-Switch Corp.: Mounting means for switch units. 2,875,306, 2-24-59, Cl. 200-168.
- Allen, Alan R., to Kennedy-Van Saun Mfg. & Eng. Corp.: Method and apparatus for hydrating calcitic and dolomitic quicklimes. 2,888,324, 5-26-59, Cl. 23-188.
- Allen, Albert, and L. K. Spink, to The Foxboro Co.: Viscosity measurement system. 2,896,656, 7-28-59, Cl. 137-92.
- Allen, Arthur C., to Stewart-Warner Corp.: High capacity fuel pump. 2,872,871, 2-10-59, Cl. 103-37.
- Allen, Arthur C., to Stewart-Warner Corp.: Combustion heater control. 2,884,196, 4-28-59, Cl. 236-1.
- Allen-Bradley Co.: See—  
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- Dehn, William F., and Dickinson. 2,868,931.
- De Smidt, Woodrow A., Looch, and Zarwell. 2,897,327.
- Kuhn, Edward H. 2,903,528.
- Kuhn, Edward H., and Matthias. 2,919,327.
- Lawrence, Leland E. 2,903,537.
- Schlecke, Heinz M. 2,890,422.
- Allen, Byron W., Jr.: Plate glass storage rack. 2,902,168, 9-1-59, Cl. 211-41.
- Allen, Charles F.: See—  
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- Allen, Charles F. H., and J. J. Sagura, to Eastman Kodak Co.: Stabilized photographic silver halide emulsions. 2,870,015, 1-20-59, Cl. 96-109.
- Allen, Charles S.: Power operated flexible conveyor. 2,888,128, 5-26-59, Cl. 198-64.
- Allen, Charles S.: Trash receiver for automobiles. 2,914,163, 11-24-59, Cl. 206-19.5.
- Allen, Clayton H.: See—  
Baruch, Jordan J., and Allen. 2,893,508.
- Allen, Clifford H., to Thompson Products, Inc.: Valve rotating device. 2,881,745, 4-14-59, Cl. 123-90.
- Allen, Clifford H., to Thompson Ramo Wooldridge, Inc.: Tappet. 2,915,051, 12-1-59, Cl. 123-90.
- Allen-Crawford Ltd.: See—  
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- Allen, Edward M., to Columbia-Southern Chemical Corp.: Calcium silicate and method of producing same. 2,888,377, 5-26-59, Cl. 162-181.
- Allen, Edward M., to Columbia-Southern Chemical Corp.: Silica composition and production thereof. 2,905,567, 9-22-59, Cl. 108-304.
- Allen, Edward M., to Columbia-Southern Chemical Corp.: Method of producing silica. 2,910,375, 10-27-59, Cl. 106-306.
- Allen, Edwin L., to L. W. Menzimer, trustee: Door check. 2,880,029, 3-31-59, Cl. 292-278.
- Allen, Edwin L., to L. W. Menzimer, trustee: Door holding device. 2,915,777, 12-8-59, Cl. 16-82.
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- Allen Electric Equipment Co.: See—  
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- Allen Electric & Equipment Co.: See—  
Marriott, William L. 2,899,624.
- Moehring, William D. 2,908,859.
- Allen, Emma G.: See—  
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- Allen, Ernest W., to Westinghouse Electric Corp.: Soldering apparatus. 2,877,731, 3-17-59, Cl. 113-98.
- Allen, Forrest J., Jr.: See—  
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- Allen, Frank B., to The Fyr-Fyrer Co.: Stored pressure medium container with discharge control. Re. 24,718, 10-13-59, Cl. 222-5.
- Allen, Frank E., to Owens-Corning Fiberglass Corp.: Multiple spindle apparatus with radial axes. 2,877,670, 3-17-59, Cl. 77-26.
- Allen, Frank J., Jr.: Matching games. 2,876,012, 3-3-59, Cl. 273-153.
- Allen, Frank J., Jr.: Card with garment attaching portion. 2,914,869, 12-1-59, Cl. 40-1.5.
- Allen, Garner M.: See—  
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- Allen, George H.: Portlight and skylight ventilator. 2,885,941, 5-12-59, Cl. 98-37.
- Allen, George J., and R. C. Parsons, to Virginia-Carolina Chemical Corp.: Diethylamine addition products of acid phosphates. 2,903,393, 9-8-59, Cl. 167-30.
- Allen, George, Jr., and J. S. Webb, to American Cyanamid Co.: Substituted pyrroles. 2,901,489, 8-25-59, Cl. 260-326.3.
- Allen, George W., to Stewart-Warner Corp.: Sheet metal burner and cross lighter. 2,875,821, 3-3-59, Cl. 158-115.
- Allen, Gordon S. J.: See—  
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- Allen & Hanburys Ltd.: See—  
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- Allen-Harper, Inc.: See—  
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- Allen, Harry W., and E. C. Frey: Anti-jimmy lock. 2,910,859, 11-3-59, Cl. 70-135.
- Allen, Herbert, to Cameron Iron Works, Inc.: Valve. 2,873,085, 2-10-59, Cl. 251-261.
- Allen, Herbert, to Cameron Iron Works, Inc.: Slip assembly. 2,874,436, 2-24-59, Cl. 24-263.
- Allen, Herbert, to Cameron Iron Works, Inc.: Wall control equipment. 2,877,977, 3-17-59, Cl. 251-1.



- Allen, Herbert, M. T. Works, and J. P. Oliver, to Cameron Iron Works, Inc. Blowout preventer. 2,912,214, 11-10-59, Cl. 251-1.
- Allen, Horace E.: See—  
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- Allen, Howard G., to Bostitch, Inc. Fastener-applying implement. 2,899,679, 8-18-59, Cl. 1-49.
- Allen Iron & Steel Co., The: See—  
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- Allen, James R., J. H. Kress, and P. R. Bunelle, to Deere & Co. Demand compensated hydraulic system. 2,892,312, 6-30-59, Cl. 60-52.
- Allen, James W.: See—  
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- Allen, John G., to Phillips Petroleum Co. Conversion process and apparatus. 2,908,631, 10-13-59, Cl. 208-75.
- Allen, John K., to Sylvania Electric Products Inc. Television receiver with color reference source. 2,904,625, 9-15-59, Cl. 178-54.
- Allen, John M., to Penley Brothers. Clothspin loading machine. 2,907,159, 10-6-59, Cl. 53-154.
- Allen, John M., and G. V. Scott, to Colgate-Palmolive Co. Shampoo composition. 2,879,231, 3-24-59, Cl. 252-90.
- Allen, Joseph C., to The Texas Co. Producing petroleum from underground formations. 2,878,874, 3-24-59, Cl. 166-2.
- Allen, Joseph C., to Texaco Inc. Producing viscous crudes from underground formations. 2,909,224, 10-20-59, Cl. 166-45.
- Allen, Joseph C., and R. E. Kunetka, to The Texas Co. In situ combustion within a subsurface formation containing petroleum hydrocarbons. 2,871,941, 2-3-59, Cl. 166-38.
- Allen, Joseph C., and R. C. Reynolds, to Texaco Inc. Productivity well logging. 2,900,517, 8-18-59, Cl. 250-83.
- Allen, Kenneth C., to The Hobart Mfg. Co. Weighing scale adapted servomotor system. 2,873,416, 2-10-59, Cl. 318-31.
- Allen, Kenneth C., and E. A. Reussenehn, to The Hobart Mfg. Co. Computing scale. 2,880,643, 4-7-59, Cl. 88-1.
- Allen, Kenneth M., and C. H. Harper, to Allen-Harper, Inc. Vibrating conveyors. 2,899,044, 8-11-59, Cl. 198-220.
- Allen, Laird R., Jr.: See—  
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- Allen, Lawrence E.: See—  
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- Allen, Lawrence E., to Allis-Chalmers Mfg. Co. Header mounting for harvester threshers. 2,867,958, 1-13-59, Cl. 56-21.
- Allen, Leslie J.: See—  
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- Allen, Lyman S., to Monsanto Chemical Co. Coating composition and process of preparation. 2,870,035, 1-20-59, Cl. 100-192.
- Allen, Norman P., and J. D. Grogan, to United States of America, Atomic Energy Commission. Uranium compositions. 2,886,430, 5-12-59, Cl. 75-122.
- Allen, Oliver L., to Electrolux Corp. Multiple purpose nozzle. 2,880,447, 4-7-59, Cl. 15-417.
- Allen Organ Co., Inc.: See—  
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- Allen, Peter W., and G. L. Cavender, to The Federal Machine and Welder Co. Methods of and apparatus for sorting. 2,873,017, 2-10-59, Cl. 198-23.
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- Allen, Philip H., and B. J. Chromy. Registers. 2,893,632, 7-7-59, Cl. 235-92.
- Allen, Philip H., and B. J. Chromy. Cathode ray tube apparatus. 2,896,112, 7-21-59, Cl. 315-21.
- Allen, Philip J. Microwave circulator. 2,867,772, 1-6-59, Cl. 333-9.
- Allen, Philip J., to United States of America, Navy. Trimode hybrid junction. 2,892,982, 6-30-59, Cl. 333-11.
- Allen, Philip S.: See—  
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- Allen, Philip S. Combined cigarette-package, matchbook and ashtray holder. 2,919,018, 12-29-59, Cl. 206-38.
- Allen, R. C., Business Machines, Inc.: See—  
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- Allen, Richard W., and F. Cohen, to United States of America, Army. Variable impedance transformer. 2,900,610, 8-18-59, Cl. 333-35.
- Allen, Robert E.: See—  
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- Allen, Robert E., F. P. Palopoli, E. L. Schumann, W. C. Day, and V. J. Fell, to The Wm. S. Merrell Co. Amino alkoxy phenyl methanes. 2,891,957, 6-23-59, Cl. 260-294.7.
- Allen, Robert E., F. P. Palopoli, E. L. Schumann, and M. G. Van Campen, Jr., to The Wm. S. Merrell Co. Mono amine ethers of triphenyl ethylenes. 2,914,529, 11-24-59, Cl. 260-247.7.
- Allen, Robert E., F. P. Palopoli, E. L. Schumann, and M. G. Van Campen, Jr., to The Wm. S. Merrell Co. Amine derivatives of triphenylethylene. 2,914,561, 11-24-59, Cl. 260-570.
- Allen, Robert E., F. P. Palopoli, E. L. Schumann, and M. G. Van Campen, Jr., to The Wm. S. Merrell Co. Amine derivatives of triphenylethanol. 2,914,562, 11-24-59, Cl. 260-570.
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- Allen, Robert K., to General Electric Co. Method of treating rails to prevent oil films. 2,890,970, 6-16-59, Cl. 117-49.
- Allen, Robert R., and A. A. Kleas, to Armour and Co. Separation of monocarboxylic and dicarboxylic acids. 2,916,502, 12-8-59, Cl. 260-419.
- Allen, Robert W., and A. W. Taylor, to Henry Simon, Ltd. Pneumatic conveyors and the like for powdered and granular materials. 2,868,590, 1-13-59, Cl. 302-17.
- Allen, Roy M., to R. P. Cargille Laboratories, Inc. Refractometers. 2,869,417, 1-20-59, Cl. 88-14.
- Allen, Russell G., to Owens-Illinois Glass Co. Article transfer mechanism. 2,888,131, 5-26-59, Cl. 198-210.
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- Allen, Samuel G., II, F. L. Currie, and J. J. McManus, to The Western Union Telegraph Co. Phasing system. 2,874,218, 2-17-59, Cl. 178-69.5.
- Allen, Thomas E. Rat traps. 2,896,361, 7-28-59, Cl. 43-131.
- Allen, Thomas O., to Jersey Production Research Co. Gun perforators for wells. 2,884,836, 5-5-59, Cl. 89-1.
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- Allen, W. D., Mfg. Co.: See—  
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- Pokrytko, John A. 2,871,083.
- Allen, Wade W., to The Upjohn Co. Semi-micro evaporation apparatus. 2,868,626, 1-13-59, Cl. 23-259.
- Allen, Wade W., and N. A. Drake, to The Upjohn Co. Time lapse attachment for movie cameras. 2,912,896, 11-17-59, Cl. 88-16.
- Allen, William A., to Carrier Corp. Breaker strip construction. 2,873,041, 2-10-59, Cl. 220-9.
- Allen, William B.: See—  
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- Allen, William H., to Joslyn Mfg. and Supply Co. Method of processing and packaging. 2,908,122, 10-13-59, Cl. 53-21.
- Allen, William M., to Battelle Memorial Institute. Slitter-disk bark-stripping apparatus. 2,891,588, 6-23-59, Cl. 144-208.
- Allen, William M., to Haloid Xerox Inc. Tripartite developer for electrostatic images. 2,919,247, 12-29-59, Cl. 252-62.1.
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- Alger, Edmund R., to General American Transportation Corp. Hoppers for finely divided materials. 2,919,158, 12-29-59, Cl. 302-52.
- Alger Press A/S: See—  
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- Alger, Willis F., to The Sheffield Corp. Pressure unit. 2,878,331, 3-17-59, Cl. 200-83.
- Alger, Willis F., to The Sheffield Corp. Gauging device. 2,909,842, 10-27-59, Cl. 33-174.
- Alger, Willis F., to The Sheffield Corp. Apparatus and method for setting up dimensional gauging devices. 2,916,911, 12-15-59, Cl. 73-37.9.
- Alger, Willis F., and N. L. Jeglum, to The Sheffield Corp. Apparatus for bending a part to a predetermined configuration. 2,912,040, 11-10-59, Cl. 153-50.
- Alles, Francis P.: See—  
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- Alles, Francis P., to E. I. du Pont de Nemours and Co. Process for producing improved polymeric terephthalate film. 2,884,663, 5-5-59, Cl. 18-48.
- Alles, Francis P., to E. I. du Pont de Nemours and Co. Mechanism for positioning an adhesive strip material in a splicing apparatus. 2,899,200, 8-11-59, Cl. 271-2.5.
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- Alligayer, August, to Schunmachsenfabrik Hanke & Co. G.m.b.H. Apparatus for reinforcing projecting lips on inner soles. 2,909,792, 10-27-59, Cl. 12-20.
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- Hardy, William B. 2,890,193.
- Hardy, William B. 2,890,201.
- Hardy, William B., and Adams. 2,912,391.
- Hardy, William B., and Hosler. 2,914,536.
- Hardy, William B., Hosler, and Lamb. 2,877,258.
- Hardy, William B., and Klingsberg. 2,900,401.
- Hardy, William B., Thellin, and Furman. 2,877,261.
- Hardy, William B., Thellin, and Furman. 2,884,449.
- Hardy, William B., Thellin, and Furman. 2,903,484.
- Hart, William F. 2,919,253.
- Hedley, Norman, and Tabachnick. 2,884,322.
- Hedley, Norman, and Tabachnick. 2,903,345.
- Hein, Delton W., Alheim, and Barabutes. 2,877,252.



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Hengel, Mathew C. 2,915,012.  
Hensley, William L., Kirsch, and Layman. 2,880,293.  
Herbes, William F., and Polansky. 2,881,153.  
Herrlinger, Richard, and Garber. 2,898,380.  
Hewitt, Redginal I., and Taylor. 2,877,154.  
Hoffmann, Arthur K. 2,868,840.  
Hoffmann, Arthur K., and Grosz. 2,882,317.  
Hopkins, William C., and Senese. 2,873,203.  
Hosler, John F. 2,907,763.  
Hotchkiss, Charles N., Kloth, and Callahan. 2,890,980.  
House, Ronald R., and Jen. 2,872,313.  
Hulbert, Hugh M., and Hyman. 2,908,351.  
Hutchinson, Alexander H. 2,887,215.  
Jen, Yun. 2,867,607.  
Jen, Yun, Moore, and Suen. 2,885,318.  
Johnson, Robert B., and Sutherland. 2,907,801.  
Jordan, Donald G. 2,872,706.  
Karkalis, Olin C., Jr., Vanderwaart, and Megson. 2,891,094.  
Katz, Leon, Hein, Pretka, and Long. 2,913,450.  
Klissman, Henry M., and Weiss. 2,881,164.  
Klingsberg, Erwin. 2,884,424.  
Klingsberg, Erwin. 2,888,461.  
Klingsberg, Erwin. 2,898,343.  
Kocay, Witold R., and Mogens. 2,885,878.  
Konazewski, William P., and Bott. 2,918,759.  
Kun, Kenneth A., and Schmidlein. 2,918,452.  
Lake, Francis G. 2,867,997.  
Lamb, Glenworth. 2,867,562.  
Lamb, Glenworth, and Clark. 2,882,196.  
Lawler, Edward B., Vartanian, and Roth. 2,909,451.  
Layman, Ralph E., Jr. 2,889,294.  
Lecher, Hans Z., and Greenwood. 2,870,204.  
Lecher, Hans Z., and Hardy. 2,872,484.  
Lecher, Hans Z., and Hardy. 2,878,272.  
Lobby, Joseph. 2,913,494.  
Long, Robert S., and Boyle. 2,877,230.  
Long, Robert S., and Buell. 2,893,986.  
Long, Robert S., and Buell. 2,894,003.  
Long, Robert S., and Pretka. 2,915,534.  
Long, Robert S., and Tsang. 2,877,218.  
Long, Robert S., and Tsang. 2,880,317.  
Long, Robert S., and Tsang. 2,898,332.  
Long, Robert S., and Tsang. 2,898,371.  
Long, Robert S., and Tsang. 2,903,450.  
Luberoft, Benjamin J. 2,882,297.  
Luberoft, Benjamin J. 2,882,298.  
Lurie, David. 2,875,042.  
Lyle, Alfred G., Brubaker, and Beyer. 2,915,388.  
Madison, Richard K., and Bellis. 2,887,510.  
Malley, Thomas J., Pennell, and Schindler. 2,911,374.  
McCormick, Jerry R. D., Hirsch, Jensen, and Sjolander. 2,878,289.  
McSheehy, Justin A. 2,898,337.  
Mecco, Jerry M., Carlinio, and Zimmerman. 2,881,045.  
Melchore, James A., and Laube. 2,883,260.  
Mendelsohn, Harold. 2,905,714.  
Miller, Mary L. 2,873,240.  
Minieri, Pasquale P., and Ziegler. 2,871,264.  
Morgan, Russell L., and Kotodny. 2,868,753.  
Mowat, John H., and Webb. 2,918,471.  
Paz, Alfred R. 2,872,425.  
Pelcak, Emil J., and Dornbush. 2,906,595.  
Petropoulos, John C. 2,870,227.  
Petropoulos, John C. 2,873,262.  
Petropoulos, John C. 2,898,319.  
Polansky, Raymond, and Herbes. 2,881,154.  
Popino, Robert P., and Charlebois. 2,918,410.  
Price, John A. 2,871,229.  
Price, John A. 2,883,370.  
Price, John A. 2,891,025.  
Price, John A., and Padbury. 2,891,035.  
Ramirez, Fausto. 2,914,522.  
Reed, Charles C., and Winterbottom. 2,871,265.  
Ritson, Daniel D. 2,889,299.  
Ritson, Daniel D., and Jen. 2,918,438.  
Roberts, George L., Jr. 2,891,964.  
Rolland, Calvin C., and Johnson. 2,907,804.  
Rolland, Calvin C., and Sutherland. 2,907,802.  
Rolland, Calvin C., and Sutherland. 2,907,803.  
Russell, William N., and Suen. 2,878,237.  
Ryder, Robert C. 2,885,409.  
Sandhage, Ellsworth R. 2,904,423.  
Sandhage, Ellsworth R., and Bott. 2,907,357.  
Scalera, Mario, Brody, Zimmerman, and Ulmes. 2,911,425.  
Scalera, Mario, Tomcufek, and Hardy. 2,879,274.  
Schaefer, Frederic C. 2,878,250.  
Schaefer, Frederic C., and Landers. 2,901,464.  
Schaub, Robert F., and Weiss. 2,908,694.  
Schaufelberger, Felix A. 2,916,357.  
Schmutzler, Alfred F. 2,881,145.  
Schuller, Walter H., Thomas, Moore, and House. 2,884,058.  
Sellers, William N. 2,874,446.  
Sellers, William N. 2,886,403.  
Sellers, William N., and Sonnino. 2,881,474.  
Shaw, John T., Hosler, and Beachem. 2,917,540.  
Sleger, George M., Jr., Valentine, and Weldenheimer. 2,899,362.  
Smalley, Janet H., and Stafel. 2,917,543.  
Smith, Leland L., Marx, and Muller. 2,905,662.

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Smolin, Edwin M. 2,905,729.  
Smolin, Edwin M., and Jordan. 2,917,560.  
Smolin, Edwin M., and Luberoft. 2,882,299.  
Spencer, Cecil A. 2,867,613.  
Spitzer, Penn F., Jr., and Perry. 2,883,258.  
Sprague, George S., and Friedlander. 2,898,320.  
Stafford, Robert W. 2,882,589.  
Stirn, Frank E., and Taylor. 2,878,630.  
Stirn, Frank E., and Taylor. 2,902,802.  
Suen, Tzeng J., and Jen. 2,900,367.  
Suen, Tzeng J., and Russell. 2,893,977.  
Suen, Tzeng J., and Webb. 2,917,477.  
Sullivan, Frank A. V. 2,873,262.  
Sullivan, Frank A. V., and Westerback. 2,875,202.  
Szumski, Stephen A. 2,871,167.  
Szumski, Stephen A. 2,904,473.  
Taylor, Arthur S., and Konazewski. 2,891,468.  
Thelin, Jack H. 2,905,695.  
Thomas, Samuel O., Lowery, and Singleton. 2,914,525.  
Thomas, Walter M. 2,885,949.  
Thomas, Walter M., Sullivan, and Hardy. 2,883,371.  
Tsang, Siem M. 2,891,048.  
Tsang, Siem M., Lewis, and Paul. 2,893,816.  
Tsang, Siem M., and Long. 2,884,446.  
Turner, Richard J., and Song. 2,891,961.  
Valentine, William, and Stearns. 2,889,252.  
Valentine, William, and Weldenheimer. 2,879,161.  
Van Loo, William J., Jr. 2,887,408.  
Van Loo, William J., Jr., and Salisbury. 2,898,238.  
Vitalis, Emil A. 2,874,124.  
Vitalis, Emil A. 2,917,410.  
Vitalis, Emil A., and Andrew. 2,886,422.  
Vitalis, Emil A., and Andrew. 2,886,423.  
Vitalis, Emil A., and Andrew. 2,917,378.  
Voorhees, Albert, and Scott. 2,899,261.  
Wagner, Alan R., and Cooper. 2,893,392.  
Webb, John S., and Schneller. 2,891,949.  
Whitehouse, Karl C., and Lecher. 2,894,024.  
Wilson, Lucius H., Hopkins, and Stafel. 2,909,514.  
Wilson, Lucius H., and Jen. 2,901,391.  
Wilson, Lucius H., Thomas, and Padbury. 2,884,057.  
Winterbottom, Robert, Mendelsohn, Muller, and McCormick. 2,899,422.  
Wohnsiedler, Henry P. 2,884,395.  
Woodberry, Norman T., Moore, and Jen. 2,890,978.  
Wooding, William M. 2,887,116.  
Wooding, William M. 2,887,405.  
Wooding, William M. 2,918,386.  
Wooding, William M. 2,918,387.  
Young, Guy B. 2,882,820.  
Ziegler, William M. 2,914,524.  
American Cystoscope Makers, Inc.: See—  
Wallace, Frederick J. 2,888,017.  
Wallace, Frederick J. 2,898,917.  
Wallace, Frederick J. 2,918,910.  
American Display Co., The: See—  
Dobkin, William J. 2,878,974.  
Dunkelberger, Milton S. 2,884,726.  
American District Telegraph Co.: See—  
Hube, Arthur B. 2,880,808.  
Hube, Arthur B. 2,891,625.  
Rush, Charles D., and Muehler. 2,876,396.  
Sawicki, Alfred T. 2,912,540.  
Vassil, Theo N., and Evans. 2,871,466.  
American Drill Bushing Co.: See—  
Armstrong, Robert H., and Robertson. 2,877,674.  
American Duplex Co.: See—  
Schuhmann, Richard L., and Zehnder. 2,900,140.  
American Electric Motors, Inc.: See—  
De Young, Roger E. 2,872,599.  
American Electrical Heater Co.: See—  
Kuhn, Robert A., and Hanser. 2,887,799.  
American Electronics Co.: See—  
Nussbaum, Milton. 2,919,442.  
Stout, Glenn M., and Peterson. 2,887,592.  
American Enka Corp.: See—  
Bakker, Willem. 2,887,279.  
Bakker, Willem. 2,909,026.  
Bakker, Willem. 2,918,781.  
Benninga, Noach, Johnston, Lynch, Markwood, and Parks. 2,908,944.  
Beyer, Joné. 2,867,969.  
Buchkremer, Josef, Bolton, Lutz, and Wistuba. 2,913,772.  
Cronwell, Carroll W., Jr. 2,887,620.  
De Gee, Bob. 2,898,629.  
De La Bretoniere, André B. 2,885,615.  
De Langen, Lambertus H. 2,887,267.  
De Langen, Lambertus H. 2,906,087.  
Elling, Hugo, Elssner, and Heuer. 2,893,821.  
Geltenbeck, Theodor W. 2,871,569.  
Grisset, Ernest J., Jr. 2,881,473.  
Grisset, Ernest J., Jr. 2,881,906.  
Grisset, Ernest J., Jr. 2,899,265.  
Gummi, Peter. 2,886,879.  
Heijns, James W. I. 2,886,978.  
Heijns, James W. I., and Beyer. 2,872,128.  
Hennemann, Georg. 2,909,445.  
Henry, William V. 2,886,848.  
Henry, William V. 2,877,545.  
Hessellink, Frans. 2,908,937.

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Kessler, Jacob C. F. 2,906,732.  
Kessler, Jacob C. F., and Kamerbek. 2,913,801.  
Kohlwey, Johann F., and Klafert. 2,877,478.  
Koot, Paul. 2,914,493.  
Limburg, Pieter C. 2,914,375.  
Schonberg, Endre, and Wilbrink. 2,882,186.  
Schrenk, Hans A. 2,913,807.  
Schrenk, Hans A., and Heijns. 2,902,817.  
Schrenk, Hans A., and van Dijk. 2,893,198.  
Van Dijk, Pieter. 2,869,312.  
Walker, Bernard F., Ward, and Godehn. 2,905,968.  
Whisman, John K. 2,871,502.  
Zuidema, Bert. 2,881,583.  
American Envelope Co., The: See—  
Showalter, Frank W. 2,912,959.  
American Feldmuehle Corp.: See—  
Maler, Robert. 2,900,144.  
American Felt Co.: See—  
Hencken, Harold G. 2,917,340.  
Marshall, Jule F. 2,907,405.  
American Fire Apparatus Co.: See—  
Barton, Benjamin D. 2,896,541.  
American Flange & Mfg. Co., Inc.: See—  
Dearling, Clarence W., Gruczek, and Stone. 2,889,156.  
Kepfinger, Livingston B. 2,916,311.  
Kephart, John M. 2,906,329.  
Taylor, James B., III. 2,907,489.  
Taylor, James B., III, and Barradax. 2,900,103.  
American Flexible Coupling Co.: See—  
Beecher, Donald J. 2,867,100.  
Beecher, Donald J. 2,871,681.  
Crankschaw, John H. 2,873,588.  
Crankschaw, John H. 2,873,589.  
American Forge and Mfg. Co.: See—  
Heppenstall, Samuel B., Jr. 2,906,555.  
American Forging and Socket Co.: See—  
Koskela, Robert B. 2,908,185.  
McCarthy, Charles S. 2,907,228.  
McCarthy, Charles S., Koskela, and Rhodes. 2,905,024.  
Rhodes, Albert J. 2,904,822.  
Scott, Edwin D. 2,907,371.  
American Gage & Machine Co.: See—  
Wilton, Robert. 2,888,534.  
American Gas Assn., Inc.: See—  
Weber, Earl J. 2,896,702.  
Weber, Earl J. 2,896,703.  
American Gilsonite Co.: See—  
Morse, Park L. 2,903,409.  
American Hardware Corp., The: See—  
Andreotti, Eugene R., and Mikitka. 2,913,819.  
Linton, Thomas B. 2,878,049.  
McConnell, Frank J. 2,879,096.  
Rainman, Joseph C. 2,917,915.  
Schoepe, Adolf. 2,870,621.  
Schweitzer, William V. 2,912,846.  
Vahlstrom, Carl A. 2,906,112.  
Welch, Nicholas A. 2,904,172.  
American Hatchery Engineers, Inc.: See—  
Morris, Robert C., and Brown. 2,903,290.  
American Hawaiian Steamship Co.: See—  
Black, James J., Brian, Frechle, Hummel, McIlhenny, Rahe, and Suman. 2,894,650.  
American Hoist & Derrick Co.: See—  
Brown, Archer W. 2,914,194.  
Stoddard, Robert J., Brown, and Bratt. 2,902,177.  
American Home Products Corp.: See—  
Barr, Martin, and Monaco. 2,918,405.  
Dann, Morris, Lockwood, and Cloyd. 2,884,123.  
Dann, Morris, and Peterson. 2,870,766.  
Dann, Morris, and Peterson. 2,871,858.  
Grant, Gordon A., von Seemann, and Winthrop. 2,876,224.  
Higgin, Albert S. 2,880,686.  
Hohnstine, Jack T., Versock, and Steckhahn. 2,894,928.  
Irvine, Douglas S., and Gaudry. 2,894,006.  
Langis, Andre L., and Gaudry. 2,874,158.  
Pope, Seth, and Zilliken. 2,910,408.  
Szabo, Joseph L., and Bruce. 2,868,833.  
Szabo, Joseph L., and Bruce. 2,876,236.  
Winthrop, Stanley O. 2,894,029.  
Winthrop, Stanley O. 2,894,030.  
Winthrop, Stanley O. 2,910,505.  
Winthrop, Stanley O., and Davis. 2,914,527.  
American Hospital Supply Corp.: See—  
Borin, Harlan F. 2,883,262.  
Johnson, Axel E. F. 2,870,917.  
Johnson, Axel E. F. 2,901,123.  
Johnson, Axel E. F. 2,914,281.  
Johnson, Axel E. F., and Savke. 2,918,243.  
Savke, Kurt G. C. 2,873,993.  
American Infra Red Radiant Co., Inc.: See—  
Schwank, Gunther. 2,870,830.  
American Instrument Co., Inc.: See—  
Chase, Fletcher A., Lee, and Montgomery. 2,911,302.  
Kremen, Jerome, and Shapiro. 2,873,644.  
Ohlheimer, Carlton E. 2,870,306.  
Ross, Hugh N. 2,913,902.  
Shapiro, Justin J. 2,867,784.  
Shapiro, Justin J., and Winslow. 2,886,964.  
American Iron & Machine Works Co., Inc.: See—  
Levendoski, Alfred E. 2,917,114.  
Rodgers, Otis N., and Olson. 2,903,235.  
Wolfe, Duane M. 2,869,405.

## American Latex Products Corp.: See—

Gerstin, Harry. 2,871,481.  
American Laundry Machinery Co., The: See—  
De Moss, Albert H. 2,906,035.  
Eygabroad, Robert J. 2,886,838.  
Malott, Clifton S., Jr. 2,887,313.  
Myers, Wayne E. 2,887,211.  
Myers, Wayne E. 2,879,885.  
Pearson, Otto H., and Strike. 2,913,156.  
Petre, John R. 2,900,185.  
Petre, John R. 2,914,320.  
Sheffer, Harvey I. 2,902,850.  
American Lava Corp.: See—  
Nelson, Karl E., and Thurnauer. 2,905,579.  
American Lecithin Co., Inc.: See—  
Hennessy, Douglas J., and Kupstas. 2,882,285.  
Jacini, Giovanni. 2,870,179.  
American Leonie Mfg. Co.: See—  
Fenster, Henry. 2,891,309.  
American-Lincoln Corp.: See—  
Becker, Anthony F. 2,906,514.  
Bruck, John P. 2,885,122.  
Bruck, John P. 2,893,175.  
Bruck, John P. 2,893,176.  
Bruck, John P. 2,893,177.  
Delan, Francis D. 2,884,185.  
American Linen Supply Co.: See—  
Birr, Rudolph G. 2,899,225.  
Birr, Rudolph G. 2,899,251.  
American Machine and Foundry Co.: See—  
Bell, Leo R., and Holloway. 2,896,790.  
Bell, Leo R., and Panuline. 2,918,772.  
Briggs, Eugene C. 2,883,566.  
Broekhuysen, William C., Gilman, and Petrucelly. 2,878,997.  
Dearsley, George. 2,919,012.  
Du Bosque, Clayton, Jr. 2,883,251.  
Dumas, Roger E. 2,890,886.  
Elsmann, Oswald E. 2,888,935.  
Elsmann, Oswald E. 2,918,922.  
Foster, Jack V., and Hanold. 2,917,598.  
Heim, John M. 2,881,715.  
Horgan, George D. 2,886,083.  
Horgan, George D. 2,905,319.  
Hungerford, Gordon P., and Yarr. 2,906,660.  
Johnson, Carl W. 2,900,939.  
Kruider, George A. 2,882,839.  
Larsen, Carl H. 2,901,306.  
McEwen, Gerald F., and McGinley. 2,871,807.  
McLean, William B. 2,882,897.  
Moore, Thomas W. 2,883,607.  
Moore, Thomas W., and Wiseman. 2,872,605.  
Morris, Robert J. 2,918,923.  
Mueller, Homer L. 2,895,526.  
Mueller, Homer L. 2,904,096.  
Persson, Henry. 2,908,203.  
Pinkham, Jesse R. 2,882,911.  
Quisenberry, Carter E. 2,886,337.  
Quisenberry, Carter E. 2,917,122.  
Rosenberg, Sheldon, and Bandel. 2,887,414.  
Simpson, Arthur P. 2,886,391.  
Smith, Zeke R. 2,917,600.  
Sullivan, James F. 2,880,536.  
Walte, Fred L. 2,887,212.  
Zito, Ralph. 2,916,289.  
Zuercher, John. 2,874,823.  
Zuercher, John. 2,878,019.  
American Machine and Metals, Inc.: See—  
Anderson, Kenneth A. 2,902,160.  
Buss, Benjamin A. 2,906,042.  
Buss, Benjamin A. 2,909,052.  
Cale, James D., Duckwitz, and Sebok. 2,888,192.  
Darde, Peter. 2,891,296.  
Davison, Robert T. B., Eriksson, Gordon, and Marden. 2,893,086.  
Haigler, Edmund D., Huston, and Lombard. 2,907,336.  
Harland, Philip W., and Storms. 2,874,572.  
Hull, Richard L. 2,898,030.  
Huston, William D. 2,917,063.  
Huston, William D., and Haigler. 2,911,954.  
Huyser, Francis C. 2,875,610.  
Huyser, Francis C. 2,889,706.  
Le Van, Ambrose E., Harland, and Walte. 2,906,232.  
Schmaus, Siegfried A. H. 2,918,546.  
American Maize-Products Co.: See—  
Bravos, George T., and Evans. 2,900,335.  
Evans, James W., and Van Patten. 2,916,405.  
American Mfg. Co., Inc.: See—  
Cunningham, Eugene. 2,907,479.  
Milner, William P. 2,913,128.  
Milner, William P. 2,914,186.  
Milner, William P. 2,918,295.  
Zachow, Henry E. 2,917,881.  
American Mfg. Co. of Texas: See—  
Mitchell, Curtis C., and Burgon. 2,915,919.  
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Baxter, Gene F., Schoening, and Preusser. 2,878,197.  
Cone, Charles N. 2,895,928.  
Gossett, John M., Estep, and Perrine. 2,874,134.  
Peck, William H. 2,891,597.  
Rikard, Mack A., Bartlett, and Coleman. 2,894,820.  
Scripture, Edward W., Jr., Benedict, and Jacox. 2,868,659.



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 Scripture, Edward W., Jr., and Benedict. 2,872,329.  
 Sheeran, Norman J. 2,870,034.  
 Trautman, Herman P. 2,893,099.  
 Washabaugh, Edward P. 2,876,952.  
 Washabaugh, Edward P. 2,895,299.  
 Washabaugh, Edward P. 2,918,103.  
 American-Marletta Co., Adhesive, Resin and Chemical Division: See—  
 Jorgensen, Kristen, Williams, and Miller. 2,888,359.  
 Roeder, Gerald P. 2,873,211.  
 Roeder, Gerald P. 2,873,212.  
 American-Marletta Co., Stoner-Mudge Co. Division: See—  
 Gray, Daniel M. and Reymann. Re. 24,102.  
 Roeder, Gerald P. 2,913,430.  
 Roeder, Gerald P. 2,918,443.  
 American Medical Products Corp.: See—  
 Simmonds, Melvin. 2,902,034.  
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 Tsunoda, Kenneth, and Kuhlmann. 2,907,176.  
 American Metal Climax, Inc.: See—  
 Lovell, Clarence E., and Lewis. 2,910,353.  
 Smith, William A., Abernethy, and Downey. 2,919,026.  
 Timmons, George A., and Semchyshen. 2,884,324.  
 American Metal Products Co.: See—  
 Flint, Hyland C. 2,867,265.  
 Flint, Hyland C. 2,868,276.  
 Flint, Hyland C. 2,886,311.  
 Heyl, Russell G., Jr. 2,886,095.  
 Homier, Robert I. 2,881,629.  
 Homier, Robert I. 2,915,111.  
 Latimer, Thomas H. 2,905,228.  
 Laurie, Floyd S. 2,909,289.  
 Ott, Ernst G., and Wallis. 2,884,962.  
 American Metallurgical Products Co.: See—  
 Bolcom, Wilbur T., and Knapp. 2,879,159.  
 Kehoe, William R. 2,898,928.  
 Knapp, William E., and Bolcom. 2,888,741.  
 American Meter Co., Inc.: See—  
 Douglas, Robert R. 2,912,859.  
 Gray, Robert B. 2,874,569.  
 Parish, Charles W., and Preskitt. 2,889,713.  
 Preskitt, Stanley V. 2,912,868.  
 Rieker, Hubert A., Jr., and Kugler. 2,903,323.  
 American Molded Products Co.: See—  
 Hultgren, Arnold P. 2,862,504.  
 American Mollering Corp.: See—  
 Linden, Herbert E. 2,900,273.  
 Linden, Herbert E., and Mitchell. 2,890,134.  
 Moller, Goran A. 2,918,388.  
 American Monorail Co., The: See—  
 Simon, Andrew. 2,898,868.  
 Simon, Andrew. 2,902,945.  
 American Motors Corp.: See—  
 Altorf, Henry W. 2,909,051.  
 Badertscher, Dana K. 2,893,361.  
 Badertscher, Dana K., and Meech. 2,893,514.  
 Dadson, Thomas E. 2,883,508.  
 Harter, Donald G. 2,883,100.  
 Josaitis, John J. 2,878,534.  
 Kishline, Floyd F., and Volgt. 2,876,018.  
 Martin, Owen D. 2,914,925.  
 American National Bank and Trust Co. of Chicago: See—  
 Breitenstein, Charles T. 2,881,810.  
 Breitenstein, Charles T. 2,896,047.  
 Brunicardi, Daniel. 2,896,045.  
 Glepen, Hubert M. 2,895,653.  
 Hooker, Donald E. 2,772,056.  
 Hooker, Donald E. 2,772,057.  
 Nicolaus, Frank G. 2,895,340.  
 Swenson, Thure R. 2,908,180.  
 American Oil Co., The: See—  
 Adams, Leon M. 2,918,503.  
 Binning, Robert C., and Jennings. 2,908,730.  
 Binning, Robert C., and Kelly. 2,913,507.  
 Binning, Robert C., and Kelly. 2,918,486.  
 Clingman, William H., Jr. 2,891,096.  
 Clingman, William H., Jr. 2,891,097.  
 Clingman, William H., Jr. 2,909,577.  
 Galbreath, Richmond B. 2,871,003.  
 Georgian, Carl C. 2,866,610.  
 Georgian, Carl C. 2,893,851.  
 Harrison, Benjamin M., and Mulkey. 2,898,762.  
 Hendrickson, Joe G. 2,906,786.  
 Hendrickson, Joe G., and Wadsworth. 2,906,785.  
 Hill, Alfred B. 2,911,351.  
 Johnston, Walter F., Jr. 2,868,718.  
 Johnston, Walker F., Jr. 2,882,225.  
 Johnston, Walker F., Jr. 2,885,351.  
 Kelly, Joe T., and Knight. 2,898,390.  
 Kirkland, Earl V., and Lutz. 2,871,248.  
 Lee, Robert J., Kelly, and Knight. 2,918,504.  
 Montgomery, William J. 2,893,852.  
 Muller, Karl A., Jr. 2,909,477.  
 O'Kelly, Arlie A., Tittsworth, and Martin. 2,907,646.  
 Ridgway, John A., Jr. and Stucov. 2,910,513.  
 Wadsworth, Francis T. 2,881,226.  
 Wolston, Clinton M., Jr., and Jack. 2,894,881.  
 Wright, Robert M., and Anderson. 2,903,282.  
 American Optical Co.: See—  
 Carmichael, Walter C. 2,913,100.  
 Crandon, Harry D. 2,875,087.  
 Crandon, Harry D. 2,890,486.

American Optical Co.: See—Continued  
 Dalton, Ernest T. 2,890,351.  
 Dargie, Robert E. 2,916,837.  
 De Angelis, Armand. 2,868,074.  
 Bowling, Robert F. 2,871,000.  
 Edman, Louis S. 2,901,122.  
 Ellis, Charles A. 2,899,976.  
 Goddu, Lloyd W., and Dillon. 2,917,971.  
 Gunter, Roy C., Jr., Whitney, and Haynes. 2,897,722.  
 Koester, Charles J. 2,880,648.  
 La France, Cyrille H. 2,886,923.  
 Miller, Joseph V. 2,895,135.  
 O'Brien, Brian, Jr., and O'Brien, Sr. 2,868,070.  
 Petri, Jan E. 2,868,862.  
 Petri, Jan E., and Jones. 2,882,793.  
 Pincus, Alexis G. 2,901,362.  
 Pincus, Alexis G. 2,901,363.  
 Pompeio, George C. 2,884,153.  
 Sparer, Seno. 2,901,944.  
 Tackaberry, Robert B. 2,901,942.  
 Tackaberry, Robert B. 2,901,943.  
 Thorburn, Milton R. 2,872,841.  
 Upton, Lee O. 2,871,624.  
 Upton, Lee O. 2,913,350.  
 Upton, Lee O., and Dalton. 2,881,563.  
 Wrigglesworth, Norman A. 2,914,660.  
 Wright, John R. 2,874,610.  
 American Pad & Textile Co., The: See—  
 Marc, Henri. 2,870,053.  
 Miller, Harold E. 2,893,020.  
 Scherz, Louis. 2,869,137.  
 American Percussion Tool Co.: See—  
 Scott, James G., Freeman, and Houston. 2,868,307.  
 American Petroleum Institute: See—  
 Olmer, Francois J. 2,899,281.  
 American Phenolic Corp.: See—  
 Malek, Joseph V. 2,870,050.  
 American Photocopy Equipment Co.: See—  
 Schaller, John, Jr., Thau, and Duncan. 2,910,729.  
 American Photographic Instrument Co., Inc.: See—  
 Carogana, Anthony, Levy, and Zarel. 2,873,079.  
 American Pipe and Construction Co.: See—  
 Butler, Adolf G. 2,903,533.  
 Matheny, Francis M. 2,917,820.  
 American Portable Irrigation Co.: See—  
 Umstadter, Harold W. 2,900,200.  
 American Potash & Chemical Corp.: See—  
 Becker, Robert R. 2,901,295.  
 Burg, Anton B., and Siot. 2,877,272.  
 Haber, Charles P., and Wilson. 2,892,873.  
 Kremers, Howard E., Newman, and Kautzky. 2,900,231.  
 Levens, Ernest, and Washburn. 2,875,236.  
 Levens, Ernest, and Washburn. 2,891,993.  
 Peterson, Willard D. 2,898,184.  
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 Stern, David R., and McKenna. 2,892,762.  
 Stern, David R., and McKenna. 2,892,763.  
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 Stewart, Robert D., and Wagner. 2,900,416.  
 Washburn, Robert M., and Albright. 2,898,365.  
 American Pulley Co., The: See—  
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 Freismuth, John S. 2,919,069.  
 Freismuth, John S., and Terrance. 2,910,242.  
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 Gootherts, Jerome W. 2,911,489.  
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 Millerwise, Carl H. 2,911,509.  
 Noakes, Thomas E. 2,902,222.  
 Noakes, Thomas E. 2,915,248.  
 Tinker, Townsend. 2,906,516.  
 Tinker, Townsend. 2,910,022.  
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 Ullman, Myron E., Jr. 2,914,073.  
 Williams, William A. 2,882,739.  
 American Radiator & Standard Sanitary Corp.: See—  
 Carpenter, Edward L., Wieber, and Wisotsky. 2,881,517.  
 Huff, Joseph F., and Wisotsky. 2,882,503.  
 Jones, William A., and Huff. 2,872,812.  
 La Valley, Robert J. 2,875,987.  
 Leuthesser, Frederick W. 2,871,880.  
 Powers, Howard A. 2,877,649.  
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 Tinker, Townsend. 2,872,998.  
 American Rock Wool Corp.: See—  
 Ebbinghouse, John A. 2,869,175.  
 American Safety Table Co., Inc.: See—  
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 American Saw and Tool Co.: See—  
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 Cowley, William E. 2,895,513.  
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 American Scientific Laboratories, Inc.: See—  
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 American Screen Products Co.: See—  
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American Sealants Co., The: See—  
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 Hoven, Alfred C., Lindberg, and Nordmark. 2,886,098.  
 Kriebie, Vernon K. 2,895,950.  
 Kriebie, Vernon K. 2,901,099.  
 Nordmark, Walter E., and Shore. 2,885,719.  
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 American Seating Co.: See—  
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 American Sign & Indicator Corp.: See—  
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 American Silicate Co., Inc.: See—  
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 American Smelting and Refining Co.: See—  
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 Roy, Joseph T. 2,890,951.  
 American Special Machine Co.: See—  
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 Parker, Harry L., and Michalski. 2,873,408.  
 American Stay Co.: See—  
 Glasberg, Myer M. 2,874,963.  
 American Steel Band Co.: See—  
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 Altherr, Russell G. 2,872,182.  
 Andrews, Joseph A., and Morley. 2,906,415.  
 Andrzejewski, Matthew S. 2,890,768.  
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 Bachman, Fred E. 2,888,301.  
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 Baker, Arthur F. 2,900,050.  
 Baselt, Walter H. 2,874,811.  
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 Brenk, Robert C., Cizek, and Dorenbos. 2,902,139.  
 Buvelot, John A. 2,869,904.  
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 Coskun, Mehmet K. 2,876,869.  
 Cottrell, Robert B. 2,877,721.  
 Cottrell, Robert B. 2,882,040.  
 Cottrell, Robert B. 2,898,870.  
 Dorenbos, Richard E. 2,882,590.  
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 Foster, Theodore. 2,885,899.  
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 Hake, Walter T. 2,880,630.  
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 Hoese, Leroy M., and Tritan. 2,899,536.  
 Kayler, Frank H. 2,908,402.  
 Keyser, Harold C. 2,892,624.  
 Laubach, Howard E. 2,889,722.  
 Lelsk, Roland T. 2,886,865.  
 Lindsey, Robert J. 2,870,782.  
 Mann, William, and Maloney. 2,873,821.  
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 Polanin, Walter R. 2,883,006.  
 Quinn, Frank P. 2,880,680.  
 Sedgwick, Robert K. 2,891,431.  
 Seelig, Albert F., Jr. 2,911,070.  
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 Tack, Carl E. 2,876,870.  
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 Tack, Carl E. 2,890,767.  
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 American Steel and Pump Corp.: See—  
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 American Sterilizer Co.: See—  
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 American Sugar Refining Co., The: See—  
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 American Tank and Steel Corp.: See—  
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 American Tape Co.: See—  
 Kisbany, Frederick N. 2,881,096.  
 American Tapered Wings, Inc.: See—  
 Roberts, Leonard E., and Evenson. 2,870,687.  
 American Telephone and Telegraph Co.: See—  
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 Barnes, Richard R. 2,909,775.  
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 Coleman, Sidney B. 2,891,117.  
 Collins, John J. 2,901,544.  
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 Henches, Eugene W., and Sheldon. 2,901,542.  
 James, Richard T., and Ruppel. 2,892,888.  
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 Dostal, Frank. 2,877,365.  
 Dostal, Frank. 2,894,188.  
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 American Tobacco Co., The: See—  
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 Fowler, Preston L., Jr. 2,910,071.  
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 Jones, Lucien N., Kelly, and Merwin. 2,882,910.  
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 American Tool Engineering, Inc.: See—  
 Grabes, Walter. 2,901,946.  
 American Tool Works Co., The: See—  
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 American Totalisator Co., Inc.: See—  
 Lange, Le Roy J. 2,919,064.  
 American Type Founders Co., Inc.: See—  
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 American Viscose Corp.: See—  
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 Bauer, Ernest K. 2,887,278.  
 Braunlich, Richard L. 2,894,802.  
 Conti, John D. 2,886,967.  
 Conti, John D. 2,906,843.  
 Crawley, William F. 2,906,473.  
 Crowsdon, Henry, Jr. 2,898,874.  
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 Dunlap, William, and McDermott. 2,872,702.  
 Fry, Horace P., Jr. 2,895,165.  
 Gibson, Eugene C. 2,916,912.  
 Grantham, William G. 2,888,368.  
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 Haley, Harold A. 2,879,542.  
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 Koch, Walter T., Lytton, and Wielicki. 2,892,814.  
 Kreamer, William H. 2,869,473.  
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 Matter, Theodore S. 2,880,602.  
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 Meissner, William E. 2,867,015.  
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 Meissner, William E. 2,895,192.  
 Meissner, William E. 2,916,864.  
 Milne, David T. 2,902,334.  
 Nelson, Seddon C. 2,871,884.  
 Nelson, Seddon C., and Steinfeld. 2,870,546.  
 Pape, Harry E., and Fortland. 2,881,907.  
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 Schappel, Joseph W. 2,901,813.  
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 Smith, Frederick R. 2,871,795.  
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 Thumm, Byron A. 2,888,356.  
 Thumm, Byron A. 2,902,381.  
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 Vandenhurgh, Charles D. 2,869,674.  
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- American Welding & Mfg. Co., The: See—  
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- American Well Works, The: See—  
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- American Wilbert Vault Corp.: See—  
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- American Window Glass Co.: See—  
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- American Zinc Institute: See—  
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- American Zinc, Lead & Smelting Co.: See—  
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Hayes, Dale I. 2,906,418.
- Amerio, Pasquale, and A. L. Kraft: to Amerio Refrigerating Equipment Co., Inc. Automatic plate freezer for continuous freezing of food products. 2,882,697, 4-21-59, Cl. 62-158.
- Amerio Refrigerating Equipment Co., Inc.: See—  
Amerio, Pasquale, and Kraft. 2,882,697.
- Amerock Corp.: See—  
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Ahlgren, Axel W. 2,891,810.  
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- Ames, Edward E., to Ames Harris Neville Co. Tent construction. 2,876,783, 3-10-59, Cl. 135-3.
- Ames Harris Neville Co.: See—  
Ames, Edward E. 2,876,783.
- Ames, Robert G.,  $\frac{1}{2}$  to G. W. Williams, and  $\frac{1}{4}$  to S. Ames. Mastic applicator with removable heads. 2,889,699, 6-9-59, Cl. 72-130.
- Ames, Robert G.,  $\frac{1}{4}$  to S. Ames, and  $\frac{1}{4}$  each, to Miss K. A. Williams, Mrs. L. W. Rosebrook, and G. W. Williams, III. Pump for filling mastic-applying tools. 2,889,657, 6-9-59, Cl. 141-113.
- Ames, Robert G.,  $\frac{1}{2}$  to G. W. Williams, and  $\frac{1}{4}$  to S. Ames. Mastic applicator and corner-finishing tool. 2,889,965, 6-9-59, Cl. 222-323.
- Ames, Stanley: See—  
Ames, Robert G. 2,889,699.  
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Ames, Robert G. 2,889,965.
- Ames Safety Envelope Co.: See—  
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- Ames Textile Corp.: See—  
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- Ames, W. R. Co.: See—  
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- Amherst College, The Trustees of: See—  
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- Amiard, Gaston, R. Heymes, and L. Velluz, to UCLAF. Method of preparing L-(+)-glutamine. 2,883,399, 4-21-59, Cl. 260-389.
- Amiard, Gaston, R. Heymes, and L. Velluz, to UCLAF. Method of making glutathione. 2,900,375, 8-18-59, Cl. 260-112.
- Amida S.A.: See—  
Bamat, Joseph. 2,898,730.  
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Bamat, Joseph. 2,915,873.
- Amidon, Roy C. Warp knitting method, machine and needle therefor. 2,913,888, 11-24-59, Cl. 66-86.
- Amiet, Oscar, to Christen & Co., A. G. Chuck with fixed cam and axially movable jaws. 2,881,006, 4-7-59, Cl. 270-53.
- Amiet, Oscar, to Christen & Co. A. G. Apparatus for sharpening drills by means of a grinding wheel. 2,911,771, 11-10-59, Cl. 51-219.
- Amil Allments Modernes Integraux Lactes X. Rudloff, R. Pernot, P. Berger & Cie: See—  
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- Amiot, Felix. Ship's hull having electrically insulated metal components. 2,915,032, 12-1-59, Cl. 114-65.
- Amir, Emanuel M., to Esso Research and Engineering Co. Hydrocarbon chlorination process. 2,914,572, 11-24-59, Cl. 260-648.
- Amirault, Maxime, and P. Destoumieux. Rotary shaft seal. 2,881,014, 4-7-59, Cl. 286-11.
- Amirault, Maxime, and P. Destoumieux. Packing seals for use between a rotatable and a fixed part. 2,884,268, 4-28-59, Cl. 286-11.15.
- Amison, Willard C., Jr., to Bendix Aviation Corp. Valve. 2,880,750, 4-7-59, Cl. 137-469.
- Amistadi, E. Henry. Electropneumatic subcaliber mortar trainer. 2,886,025, 5-12-59, Cl. 124-11.
- Amity Leather Products Co.: See—  
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- Amman, Giuseppe, to Fratelli Borletti D.p.a. Device for actuating the needle bar of zig-zag sewing machines. 2,883,951, 4-28-59, Cl. 112-221.
- Ammann, Bernard W., to The Emerson Electric Mfg. Co. Coil tying machine and method of tying coils. 2,883,949, 4-28-59, Cl. 112-2.
- Ammann, William L. Crop conditioning means. 2,880,142, 6-2-59, Cl. 263-19.
- Ammeo Tools, Inc.: See—  
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Billeter, Henry R. 2,901,869.
- Ammen, Francis D. Spray nozzle. 2,895,687, 7-21-59, Cl. 239-443.
- Ammenwerth, Martin F., and L. J. Caprarola, to Radio Corp. of America. Grid mount and method of tube assembly. 2,913,616, 11-17-59, Cl. 313-284.
- Ammerall, Albert J. Yarn dispensing means. 2,913,800, 11-24-59, Cl. 28-1.
- Ammerman, George E.: See—  
McOrlly, Joseph C., and Ammerman. 2,877,334.
- Ammerman, George E., to The Edwin L. Wiegand Co. Electric heating unit. 2,881,302, 4-7-59, Cl. 219-37.
- Ammon, Edward R. Physical conditioning machine. 2,915,057, 12-1-59, Cl. 128-33.
- Ammon, Lewis G., to A. L. Anderson. Can-filling machines. 2,888,962, 6-2-59, Cl. 141-143.
- Ammon, Roscoe A., to Minneapolis-Honeywell Regulator Co. Electrical instrument mechanism. 2,910,631, 10-27-59, Cl. 317-166.
- Amor, William F., Jr., and F. Claudt-Magnussen, to General Aniline & Film Corp. Laminated structures, compositions for producing same and processes of employing such compositions. 2,895,866, 7-21-59, Cl. 154-139.
- Amosson, George H. Variable speed pulley. 2,892,354, 6-30-59, Cl. 74-230.17.
- Amoretty, Vsevolod A.: See—  
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- Amorl, Joseph A. Shear-off article sizing mechanism and method. 2,913,108, 11-17-59, Cl. 209-72.
- Amos, Homer, to Pastushin Aviation Corp. Apparatus for producing objects of cured plastic material. 2,908,039, 10-13-59, Cl. 18-26.
- Amos, Homer, and E. T. Strickland, to Pastushin Aviation Corp. Method and apparatus for fabricating hollow bodies and sheets of plastic material. 2,870,054, 1-20-59, Cl. 154-83.
- Amos, James L.: See—  
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- Ampateo Laboratories Corp.: See—  
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- Ampeo Metal, Inc.: See—  
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Klement, John F. 2,874,042.
- Amplex Corp.: See—  
Barkley, Joseph W. 2,915,357.  
Ginsburg, Charles P., and Dolby. 2,916,546.  
Ginsburg, Charles P., and Henderson. 2,916,547.  
Havstad, James W. 2,900,451.  
Krembs, George M. 2,916,639.  
Kyle, William F., Jr. 2,911,162.  
Maxey, Alexander R. 2,912,518.  
Pfost, Robert F. 2,912,517.  
Schultheis, Eugene W., and Brumbaugh. 2,893,653.  
Selsted, Walter T. 2,868,470.  
Selsted, Walter T., and Brumbaugh. 2,904,275.  
Sweeney, John F., and Reed. 2,914,619.
- Amroc Inc.: See—  
Szechman, Joshua. 2,919,237.
- Amroy Co.: See—  
Weiser, David. 2,916,741.
- Amseo Packaging Machinery, Inc.: See—  
Sylvester, John D., and Messmer. 2,873,566.  
Sylvester, John D., Messmer, and Keenan. 2,913,863.
- Amster, Clyde R.: See—  
Wyle, Jean, Osborne, and Amster. 2,899,882.
- Amster, Clyde, to Hycon Mfg. Co. Variable trim resistor. 2,878,350, 3-17-59, Cl. 261-62.
- Amster, Rudolph, to Schweizerische Industrie-Gesellschaft. Locking members for a composite breech block. 2,890,626, 6-16-59, Cl. 89-108.
- Amster, Ignace, to Compagnie Generale de Telegraphie Sans Fil. Large pass-band diplexer. 2,914,767, 11-24-59, Cl. 343-200.
- Amsterdamer, Mark: See—  
Windman, Albert, and Amsterdamer. 2,910,102.
- Amstock, Joseph S.: See—  
Sher, Arnold, and Amstock. 2,899,160.
- Amstutz, Edward D., and G. L. Krueger, to The Wm. S. Merrell Co. Indenones substituted by quinolyl, pyridyl and benzimidazolyl radicals. 2,894,952, 7-14-59, Cl. 260-289.
- Amthor, William M., and V. Kosuga. Digging machine. 2,894,341, 7-14-59, Cl. 37-97.
- Amtsberg, Lester A., to Chicago Pneumatic Tool Co. Impact clutch. 2,881,884, 4-14-59, Cl. 192-30.5.
- Amtsberg, Lester A., to Chicago Pneumatic Tool Co. Torque control clutch. 2,881,888, 4-14-59, Cl. 192-56.
- Amyot, Pierre, to Sarong, Inc. Brassiere. 2,897,822, 8-4-59, Cl. 128-483.
- An, Sang Y. Carburetor device. 2,898,095, 8-4-59, Cl. 261-23.
- Anaconda Aluminum Co.: See—  
Lundborg, Carl J. 2,918,421.
- Anaconda Co., The: See—  
Borchardt, Edward R. 2,876,915.  
Haman, Harold H. 2,909,922.  
Holderreed, Francis L., and Sullivan. 2,867,972.  
Lapee, Roland J. 2,888,390.  
Zoldak, John. 2,901,271.

- Anaconda Copper Mining Co.: See—  
Baldwin, Maynard M. 2,890,150.  
Holderreed, Francis L., and Sullivan. 2,867,972.
- Anaconda Wire and Cable Co.: See—  
Arndt, Rudolph P. 2,900,356.  
D'Ascoli, Ralph G. 2,906,810.  
D'Ascoli, Ralph G. 2,914,501.  
Ebel, Lawrence C., and D'Ascoli. 2,881,243.  
Ebel, Lawrence C., and D'Ascoli. 2,913,513.  
O'Mara, Joseph B. 2,903,501.  
Whalen, Richard T., and D'Ascoli. 2,885,737.
- Anadite, Inc.: See—  
Jenkins, Gordon W. 2,890,135.
- Anander, Andrew K., to Powers Chemco, Inc. Multiple scale for a photoengraving camera. 2,878,717, 3-24-59, Cl. 88-24.
- Anander, Andrew K., to Powers Chemco, Inc. Flexible sheet support for large cameras. 2,910,265, 10-27-59, Cl. 248-363.
- Anastasia, Harry G., to Bendix Aviation Corp. Instrument movement correction means. 2,869,365, 1-20-59, Cl. 73-181.
- Anastasia, Harry G., and W. T. Clermont, to Bendix Aviation Corp. Pressure responsive device. 2,879,351, 3-24-59, Cl. 200-83.
- Anatoli, Jesus, and V. Torelli, to UCLAF. New N,N-dibenzyl amino acid compounds and process of making same. 2,917,541, 12-15-59, Cl. 260-518.
- Ancelle, Henri: See—  
Bursaux, Jacques, Ancelle, and de Saint Chamant. 2,875,022.
- Anet, Victor M. J., and Marius Fayolle known as Marcel Fayolle. Shuttleless weaving looms. 2,906,296, 9-29-59, Cl. 139-127.
- Anchor Hocking Glass Corp.: See—  
Acton, Daniel D. 2,916,175.  
Fouse, Frederick Z. 2,908,114.  
Stover, Harry E. 2,869,300.  
Stover, Harry E. 2,869,301.  
Stover, Harry E. 2,877,493.  
Stover, Harry E. 2,891,366.  
Stover, Harry E. 2,915,862.
- Anchor Mfg. Co.: See—  
Davis, Flavius E. 2,870,238.  
Davis, Flavius E., III. 2,882,454.  
Fosburgh, Herman. 2,891,693.
- Anchor Supply Co., Inc.: See—  
Hans, John J., Jr. 2,874,708.
- Andale Co.: See—  
McNeal, Daniel R. 2,893,681.
- Andean Corp.: See—  
Tolman, John A. 2,870,882.
- Andeen, Richard E., to Sperry Rand Corp. Aircraft automatic pilot. 2,896,883, 7-28-59, Cl. 244-77.
- Anders, Eric B., to Minneapolis-Honeywell Regulator Co. Resiliently mounted electromagnetic actuator for valves and the like. 2,894,714, 7-14-59, Cl. 251-30.
- Anderau, Emil G., to Stoffel Seals Corp. Bag closure. 2,903,287, 9-8-59, Cl. 292-325.
- Anderle, Joseph A., to Lorentzen Hardware Mfg. Corp. Cornice installation and mounting bracket. 2,890,851, 6-16-59, Cl. 248-201.
- Anderle, Joseph A., to Lorentzen Hardware Mfg. Corp. Venetian blind hold-down arrangement. 2,901,035, 8-25-59, Cl. 160-178.
- Andermann, George, and J. W. Kemp, to Applied Research Laboratories, Inc. Spectroscopy. 2,897,367, 7-28-59, Cl. 250-53.
- Andersen, Alvin D.: See—  
Adams, William C., and Andersen. 2,870,915.
- Andersen, Clifford W., to The Rudolph Wurdlitzer Co. Electronic piano. 2,881,651, 4-14-59, Cl. 84-114.
- Andersen, Clifford W., to The Rudolph Wurdlitzer Co. Damper mechanism for piano. 2,888,851, 6-2-59, Cl. 84-217.
- Andersen, Clifford W., to The Rudolph Wurdlitzer Co. Piano action. 2,909,093, 10-20-59, Cl. 84-236.
- Andersen, Clifford W., to The Rudolph Wurdlitzer Co. Tuning device. 2,909,727, 10-20-59, Cl. 324-79.
- Andersen Corp.: See—  
Fredricksen, Vern P. 2,867,014.  
Fredricksen, Vern P., and Ward. 2,867,009.
- Andersen, Donald L., to General Mills, Inc. Process for corrosion inhibition. 2,913,305, 11-17-59, Cl. 21-27.
- Andersen, Hans J., and W. E. Swenson, to Minneapolis-Moline Co. Tractor front end suspension. 2,874,972, 2-24-59, Cl. 280-92.
- Andersen, Holger C., and A. J. Haley, Jr., to Engelhard Industries, Inc. Hydrogenation of acetylene. 2,909,578, 10-20-59, Cl. 260-677.
- Andersen, James B. Plank protector with cold worked deflecting teeth. 2,895,369, 7-21-59, Cl. 85-11.
- Andersen, Johan R., to Bell Telephone Laboratories, Inc. Anti-backlash gear assembly. 2,902,879, 9-8-59, Cl. 74-440.
- Andersen, John W., to Monsanto Chemical Co. Changing pressure seals on high pressure equipment. 2,879,085, 3-24-59, Cl. 286-16.3.
- Andersen, Just B., to International Business Machines Corp. Record controlled machine. 2,872,038, 2-3-59, Cl. 209-110.
- Andersen, Louis M., to Allis-Chalmers Mfg. Co. Means for conveying crushed material from a gyratory crusher. 2,869,707, 1-20-59, Cl. 198-56.
- Andersen, Ralph A., to American Air Filter Co., Inc. High efficiency portable heater. 2,897,814, 8-4-59, Cl. 126-110.
- Andersen, Raymond C., to Flexonics Corp. Expansion joint. 2,901,272, 8-25-59, Cl. 285-227.
- Andersen, Raymond C., and E. W. Parlasca, to Flexonics Corp. Multiple bellows expansion joint with limit means. 2,873,984, 2-17-59, Cl. 285-228.
- Anderson, Adolph E., Jr. Readily attachable and detachable fishing float. 2,874,508, 2-24-59, Cl. 43-43.1.
- Anderson, Albert & J. M. Mfg. Co.: See—  
Cobbett, Leonard C., and Winkler. 2,917,722.
- Anderson, Albin. Spark plug. 2,870,363, 1-20-59, Cl. 313-143.
- Anderson, Albin M., to Anderson Machine & Tool Works, Inc. Cushion filling machine. 2,907,156, 10-6-59, Cl. 53-124.
- Anderson, Alfred H., and W., to The General Fireproofing Co. Mounting for desk drawers. 2,872,269, 2-3-59, Cl. 312-330.
- Anderson, Alice M., and E. E. Sewing tool. 2,869,494, 1-20-59, Cl. 112-203.
- Anderson, Anders G. Slidable outer jaw wrench. 2,878,702, 3-24-59, Cl. 81-145.
- Anderson, Anders J.: See—  
Lintz, Mark, and Anderson. 2,898,466.
- Anderson, Andrew W., to Scandia Packaging Machinery Co. Machine for covering containers. 2,889,675, 6-9-59, Cl. 53-220.
- Anderson, Andrew W., to Scandia Packaging Machinery Co. Mechanism for heat sealing wrappers and a method of sealing packages. 2,899,791, 8-18-59, Cl. 53-376.
- Anderson, Andrew W., to Scandia Packaging Machinery Co. Mechanism for turning packages. 2,905,295, 9-22-59, Cl. 193-43.
- Anderson, Andrew W., to Packaging Machinery Co. Article feeding and stacking mechanisms. 2,905,341, 9-22-59, Cl. 214-6.
- Anderson, Andrew W., to Scandia Packaging Machinery Co. Package sealing means. 2,916,865, 12-15-59, Cl. 153-379.
- Anderson, Arece L.: See—  
Ammon, Lewis G. 2,888,962.
- Anderson, Arnold T. Mold inhibiting process and product. 2,898,372, 8-4-59, Cl. 260-540.
- Anderson, Arthur B. Auto mechanic's tray. 2,901,303, 8-25-59, Cl. 311-21.
- Anderson, Arthur E., and E. A. Sack, Jr., to Westinghouse Electric Corp. Cathode ray tube. 2,888,593, 5-26-59, Cl. 315-1.
- Anderson, Arthur R., to Concrete Technology Corp. Apparatus and method for releasing loads on stressing beds for making prestressed concrete. 2,886,875, 5-19-59, Cl. 25-1.
- Anderson, Arthur W., to The Dow Chemical Co. Oxyalkylation of solid polyols. 2,902,478, 9-1-59, Cl. 260-209.
- Anderson, Arthur W., and M. I. Bro., to E. I. du Pont de Nemours and Co. Polymerization process. 2,879,263, 3-24-59, Cl. 260-949.
- Anderson, Arthur W., and W. J. Brehm, to E. I. du Pont de Nemours and Co. Gamma-(3-aminocyclohexyl) butyric acid and esters. 2,894,025, 7-7-59, Cl. 260-514.
- Anderson, Arthur W., J. M. Bruce, Jr., N. G. Merckling, and W. L. Truett, to E. I. du Pont de Nemours and Co. Polymerization catalysts. 2,905,645, 9-22-59, Cl. 252-429.
- Anderson, Arthur W., and J. L. Melstad, to The Dow Chemical Co. Esters of 2-hydroxypropylsucrose. 2,908,681, 10-13-59, Cl. 260-234.
- Anderson, Axel: See—  
Granberg, Bengt R., and Anderson. 2,877,677.  
Granberg, Bengt R., and Anderson. 2,913,945.
- Anderson, Axel, to Sundstrand Machine Tool Co. Tracer valve. 2,914,292, 11-24-59, Cl. 251-3.
- Anderson, Axel, and E., to Sundstrand Machine Tool Co. Multipole chuck. 2,882,458, 4-14-59, Cl. 317-163.
- Anderson, Axel F. L.: See—  
Meyer, Harry A., and Anderson. 2,884,769.
- Anderson, Bernard E., to The Foxboro Co. Bolting point temperature measuring system. 2,900,816, 8-25-59, Cl. 73-17.
- Anderson, Bernard E., and S. W. Sweet, to The Foxboro Co. Bubble trap for liquid systems. 2,884,366, 4-28-59, Cl. 204-195.
- Anderson-Bolling Mfg. Co.: See—  
Peterson, William W. 2,918,976.
- Anderson Brass Works: See—  
Lock, Robert L., Nilsson, and Spurgeon. 2,884,476.  
Nilsson, Nils L., and Spurgeon. 2,868,865.
- Anderson, Carl: See—  
Rose, William R., Sr. 2,879,976.
- Anderson, Carl A., to W. H. Miner, Inc. Buffer. 2,891,684, 6-23-59, Cl. 213-221.
- Anderson, Carl F., to Packard-Bell Co. System using counter tube coder. 2,883,531, 4-21-59, Cl. 250-27.
- Anderson, Carl F., and J. A. Maize, to Telautograph Corp. Telescribing apparatus. 2,904,631, 9-15-59, Cl. 178-19.
- Anderson, Carl F., and G. S. Corbell, to Telautograph Corp. Telescribing apparatus. 2,916,550, 12-8-59, Cl. 178-19.
- Anderson, Carl R.: See—  
Burnet, William B., and Anderson. 2,915,182.
- Anderson, Charles B. Electric fan piercer with free stripping punch. 2,913,821, 11-24-59, Cl. 30-4.
- Anderson, Charles C., V. K. Eder, W. P. Zimmerman, T. A. Heath, and J. F. McLaughlin, to General Motors Corp. Manufacture of compressor vane assembly. 2,898,442, 8-4-59, Cl. 219-80.



- Anderson, Clarence. Fence post driving means. 2,888,245, 5-26-59, Cl. 254-29.
- Anderson, Clayton W. Valve. 2,879,798, 3-31-59, Cl. 137-628.
- Anderson, Clifford E., to Cameron Iron Works, Inc. Pipe hanging apparatus. 2,874,437, 2-24-59, Cl. 24-263.
- Anderson, Clifford E., to J. E. Hill. Rheostat control. 2,908,883, 10-13-59, Cl. 338-215.
- Anderson, Clifford E. Valve. 2,911,188, 11-3-59, Cl. 251-327.
- Anderson, Clifford R. Collapsible chair. 2,867,264, 1-6-59, Cl. 155-139.
- Anderson, Clive D.: See—
- Hiser, Willard U. 2,906,546.
- Anderson, Co. The: See—
- Krohm, Fred A. 2,877,659.
- Krohm, Fred A. 2,878,506.
- Krohm, Fred A. 2,878,833.
- Krohm, Fred A. 2,897,529.
- Krohm, Fred A. 2,899,526.
- Krohm, Fred A. 2,908,462.
- Krohm, Fred A. 2,918,690.
- Macpherson, Robert B. 2,907,065.
- Wise, Ralph H. 2,872,184.
- Wise, Ralph H. 2,907,564.
- Wise, Ralph H. 2,907,610.
- Wise, Ralph H. 2,913,920.
- Wise, Ralph H. 2,914,315.
- Anderson, Dale K.: See—
- Mund, Mark G., and Anderson. 2,887,177.
- Anderson, Dale L., dedicated to the public. Wrapping apparatus. 2,889,672, 6-9-59, Cl. 53-33.
- Anderson, David F. Spray gun for viscous liquids. 2,913,187, 11-17-59, Cl. 239-412.
- Anderson, David H.: See—
- Bulova, Arde, Anderson, and Schleifer. 2,890,522.
- Anderson, Donald: See—
- Salem, Samuel, Bingham, and Anderson. 2,898,665.
- Anderson, Donald G., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,884,946, 5-5-59, Cl. 137-209.
- Anderson, Donald R., and W. R. Watson, to National Aluminate Corp. Soot inhibiting composition. 2,890,946, 6-16-59, Cl. 44-68.
- Anderson, Earl R. Manually operable pit gripper for freestone and clingstone fruits. 2,903,031, 9-8-59, Cl. 146-31.
- Anderson, Eddie. Gasoline vaporizer. 2,892,692, 6-30-59, Cl. 48-102.
- Anderson, Edmund B., to W. H. Stark. Constant velocity universal joint. 2,897,663, 8-4-59, Cl. 64-21.
- Anderson, Edmund B., to said Anderson, and to W. H. Stark. Anti-friction slip joint. 2,908,152, 10-13-59, Cl. 64-23.
- Anderson, Edward E., and P. G. Kiely, to Arthur D. Little, Inc. Process for preparing a corn chip product. 2,905,559, 9-22-59, Cl. 99-80.
- Anderson, Edward P., to Engelhard Industries, Inc. Safety fuse. 2,917,594, 12-15-59, Cl. 200-61.41.
- Anderson Electric Corp.: See—
- Nilsson, Nils L. 2,867,787.
- Nilsson, Nils L. 2,879,321.
- Anderson, Elizabeth D. Hair curling device and method. 2,871,865, 2-3-59, Cl. 132-7.
- Anderson, Elizabeth D., and J. L. Device and method for curling and setting the hair. 2,889,834, 6-9-59, Cl. 132-7.
- Anderson, Elmer A. Safety gun trigger. 2,871,605, 2-3-59, Cl. 42-70.
- Anderson, Elmer A., E. G. Foster, C. M. Gable, and G. C. Hood, to Shell Development Co. Recovery of tungstic catalysts. 2,869,986, 1-20-59, Cl. 23-140.
- Anderson, Elmer E.: See—
- Anderson, Alice M. and E. E. 2,869,494.
- Anderson, Elmer G.: See—
- Varrin, Albert, and Anderson. 2,877,037.
- Anderson, Emil, to Electrolux Corp. Adjustable arear restricting members for suction nozzles. 2,885,715, 5-12-59, Cl. 15-354.
- Anderson, Emil, and J. J. Kowalewski, to Electrolux Corp. Apparatus for making container closures. 2,895,551, 7-21-59, Cl. 164-68.
- Anderson, Eric: See—
- Anderson, Axel and E. 2,882,458.
- Anderson, Ernest L. Ventilating window structure. 2,867,860, 1-13-59, Cl. 20-52.2.
- Anderson, Everett V., to United States Rubber Co. Compounding of rubber latex with a thiazole accelerator and an alkali dialkyl dithiophosphate and resulting composition. 2,879,243, 3-24-59, Cl. 260-29.7.
- Anderson, Ford, to Ahmco, Inc. Rotatable table and seating apparatus. 2,877,827, 3-17-59, Cl. 155-123.
- Anderson, Frank F. Combination lawn bench and table. 2,882,957, 4-21-59, Cl. 155-43.
- Anderson, Frank J., to Monolith Portland Midwest Co. Rotary kiln construction. 2,895,725, 7-21-59, Cl. 263-53.
- Anderson, Frederick E., to E. I. du Pont de Nemours and Co. Apparatus for continuously tipping and flagging bristles. 2,911,761, 11-10-59, Cl. 51-80.
- Andersen, Fritz H. Collapsible wheel block. 2,903,094, 9-8-59, Cl. 138-32.
- Anderson, Frohman. Adjustable cam tracks. 2,870,652, 1-27-58, Cl. 74-568.
- Anderson, Frohman. Means for lubricating work in sheet forming machine operating on forming-by-drawing principle. 2,916,075, 12-8-59, Cl. 153-32.
- Anderson, Gene W., and W. Babcock, to The New York Air Brake Co. Seal assembly for centrifugal pumps. 2,900,919, 8-25-59, Cl. 103-11.
- Anderson, George O., to Acme Visible Records, Inc. Record filing device. 2,903,808, 9-15-59, Cl. 40-158.
- Anderson, George R., M. J. Boho, and G. W. Fulmer, to Hagan Chemicals & Controls, Inc. Boiler feed water control systems. 2,904,017, 9-15-59, Cl. 122-451.
- Anderson, George S., to Westinghouse Air Brake Co. Fluid pressure brake apparatus with equalizing reservoir pressure build-back preventing means. 2,900,209, 8-18-59, Cl. 303-67.
- Anderson, Gerald L.: See—
- Campbell, Donald A., and Anderson. 2,885,224.
- Anderson, Gerald L., and J. V. Margason, to Eclipse Fuel Engineering Co. Emergency check valve construction for gas flow meters. 2,903,005, 9-8-59, Cl. 137-75.
- Anderson, Gerald R., D. W. Hayes, C. E. Kerr, and H. W. Newburn, to Food Machinery and Chemical Corp. Article distributing machine. 2,872,017, 2-3-59, Cl. 198-37.
- Anderson, Gordon C., and D. B. Hopkinson, to Saco-Lowell Shops. Roving frame lifting spindle. 2,898,729, 8-11-59, Cl. 57-95.
- Anderson, Gordon S., and W. J. Budzyna, to Draper Corp. Loom let-off. 2,914,093, 11-24-59, Cl. 139-110.
- Anderson, Greenwood & Co.: See—
- Greenwood, Marvin H., and Francis. 2,890,714.
- Greenwood, Marvin H., and Presnal. 2,888,025.
- Anderson, Harry R., S. Esposito, and J. A. Rossi: said Anderson assor. to said Esposito and said Rossi. Dough mix package. 2,870,022, 1-20-59, Cl. 99-172.
- Anderson, Henry A.: See—
- Hiser, Willard U. 2,906,546.
- Anderson, Henry W. Book type map structure. 2,889,638, 6-9-59, Cl. 35-42.
- Anderson, Henry W., H. Ratner, and G. E. Warren, deceased, (by E. R. Warren, executrix), to Shell Development Co. Process for solubilizing monovalent metal carbonates in oil. 2,915,465, 12-1-59, Cl. 252-33.4.
- Anderson, Herbert A., to Duro-Test Corp. Incandescent lamp. 2,886,735, 5-12-59, Cl. 313-274.
- Anderson, Herbert H.: See—
- Ford, Walter D., and Anderson. 2,890,173.
- Anderson, Herbert M., to Tidewater Oil Co. Diethanolamine recovery by steam stripping. 2,892,775, 6-30-59, Cl. 208-236.
- Anderson, Herbert M., F. C. Draemel, and D. J. Lyons, to Tidewater Oil Co. Diethanolamine reclamation. 2,914,469, 11-24-59, Cl. 208-236.
- Anderson, Herbert R., Jr., to Phillips Petroleum Co. Natural and synthetic rubber compositions containing boron nitride and method for producing same. 2,871,216, 1-27-59, Cl. 260-41.5.
- Anderson, Herman, to C. J. Frost. High speed lathe. 2,917,313, 12-15-59, Cl. 279-1.
- Anderson, Hugh V.: See—
- Moffett, Robert B., and Anderson. 2,880,214.
- Anderson, James A., Jr.: See—
- Heinrich, Raymond L., Anderson, and Peet. 2,916,366.
- Anderson, James A., Jr., J. A. Dinwiddie, M. A. Mosesman, and L. W. Vernon, to Esso Research and Engineering Co. Porous silica free gamma alumina base contacting agents and use thereof. 2,890,162, 6-9-59, Cl. 208-46.
- Anderson, James B. Glare reducing shield. 2,867,718, 1-6-59, Cl. 240-46.01.
- Anderson, Jesse W., and L. E. Evans, to The Dow Chemical Co. Exploration tool. 2,875,347, 2-24-59, Cl. 250-108.
- Anderson, John, G. P. Johnson, and N. W. Hall, to Shell Development Co. Reaction of halocyclopentadienes with acetylene. 2,900,419, 8-18-59, Cl. 260-648.
- Anderson, John, and D. S. Melstrom, to Shell Development Co. Process for the manufacture of epoxy resins. 2,901,462, 8-25-59, Cl. 260-47.
- Anderson, John E., to Minneapolis-Honeywell Regulator Co. Tank unit. 2,916,679, 12-8-59, Cl. 317-246.
- Anderson, John J., W. C. Harris, and T. S. Harrison, to S. C. Johnson & Son, Inc. Spray dispensing assembly. 2,887,273, 5-19-59, Cl. 239-337.
- Anderson, John L.: See—
- Anderson, Elizabeth D. and J. L. 2,889,834.
- Anderson, John L., and H. E. Winberg, to E. I. du Pont de Nemours & Co. Dialkylidene five-membered heterocyclic compounds and polymers thereof. 2,876,216, 3-3-59, Cl. 260-88.3.
- Anderson, John R., to Bell Telephone Laboratories, Inc. Magnetic recording system for storing and reproducing television signals. 2,874,214, 2-17-59, Cl. 178-6.6.
- Anderson, John R., to Bell Telephone Laboratories, Inc. Electrical circuits employing ferroelectric condensers. 2,876,435, 3-3-59, Cl. 340-173.
- Anderson, John R., to Bell Telephone Laboratories, Inc. Electrical circuits employing ferroelectric capacitors. 2,876,436, 3-3-59, Cl. 340-173.
- Anderson, John R., to Bell Telephone Laboratories, Inc. Ferroelectric storage array. 2,905,928, 9-22-59, Cl. 340-173.
- Anderson, John R., to Bell Telephone Laboratories, Inc. Ferroelectric storage circuit. 2,907,984, 10-6-59, Cl. 340-173.

- Anderson, John R., to Bell Telephone Laboratories, Inc. Storage matrix access circuits. 2,914,748, 11-24-59, Cl. 340-166.
- Anderson, John R., and J. P. Remelka, to Bell Telephone Laboratories, Inc. Barium titanate as a ferroelectric material. 2,893,107, 7-7-59, Cl. 29-25.35.
- Anderson, John R., and W. C. von Dohlen, to Union Carbide Corp. Refining of cyclic organic carbonates. 2,894,957, 7-14-59, Cl. 260-340.2.
- Anderson, John R., and D. W. Peck, to Union Carbide Corp. Indole recovery process. 2,916,496, 12-8-59, Cl. 260-319.
- Anderson, John W.: See—
- Fuller, Edwin O., and Anderson. 2,905,956.
- Kinsley, Lewis H., Jr., and Anderson. 2,914,901.
- Anderson, John W., to Minneapolis-Honeywell Regulator Co. Aircraft automatic condition control apparatus. 2,873,076, 2-10-59, Cl. 244-77.
- Anderson, John W. Windshield wiper blade and pressure device therefor. 2,897,530, 8-4-59, Cl. 15-245.
- Anderson, John W. Universal windshield wiper arm remover. 2,898,674, 8-11-59, Cl. 29-278.
- Anderson, John W. Motion-transmitting assembly. 2,901,764, 9-1-59, Cl. 15-253.
- Anderson, John W. Thrust bearing. 2,914,366, 11-24-59, Cl. 308-203.
- Anderson, John W. Connector for a windshield wiper arm unit. 2,916,760, 12-15-59, Cl. 15-250.
- Anderson, John W. Spike anchorage in shoe bottoms. 2,918,733, 12-29-59, Cl. 36-2.5.
- Anderson, Joseph B., and L. V. Chain return support for endless chain conveyors. 2,889,914, 6-9-59, Cl. 198-137.
- Anderson, Kenneth A., to American Machine and Metals, Inc. Separation apparatus. 2,902,160, 9-1-59, Cl. 210-388.
- Anderson, Kermit F., and L. O. Studer. Self-leveling ladder attachment. 2,894,670, 7-14-59, Cl. 228-63.
- Anderson, Lannes E., to Radio Corp. of America. Television optical system for hospital television. 2,911,518, 11-3-59, Cl. 240-1.3.
- Anderson, Lawrence H. Shaft coupling. 2,872,228, 2-3-59, Cl. 287-129.
- Anderson, Leo V.: See—
- Anderson, Joseph B. and L. V. 2,889,914.
- Anderson, Leon L. Inflatable wader garment. 2,869,152, 1-20-59, Cl. 9-20.
- Anderson, Leonard A. Cartridge case trimming device. 2,869,413, 1-20-59, Cl. 86-24.
- Anderson, Leroy E., and H. F. St. Marie, to Tri-State Heating, Inc. Heat conduit connecting collar. 2,880,017, 3-31-59, Cl. 285-18.
- Anderson, Lincoln D. Pneumatic tire belt. 2,886,378, 5-12-59, Cl. 305-10.
- Anderson, Lindson P., and K. Schultz, deceased (by M. F. Schultz, executrix), to Armour and Co. Method of cooking animal and vegetable materials. 2,870,028, 1-20-59, Cl. 99-216.
- Anderson, Lloyd D.: See—
- Jones, John L., Jr., and Anderson. 2,904,681.
- Anderson, Lloyd L., to Jervis Corp. Latch mechanism. 2,901,277, 8-25-59, Cl. 292-78.
- Anderson, Lloyd L., A. J. Van Noord, and E. B. Jacobson, to Jervis Corp. Safety belt buckle. 2,888,724, 6-2-59, Cl. 24-77.
- Anderson Machine & Tool Works, Inc.: See—
- Anderson, Albin M. 2,907,156.
- Anderson, Malcolm, and H. King. Spreading dispensers. 2,888,695, 6-2-59, Cl. 15-135.
- Anderson, Martin E.: See—
- Strickland, Jerome R., and Anderson. 2,907,432.
- Anderson, Martin E. Selective drive differential gear and operating mechanism therefor. 2,913,929, 11-24-59, Cl. 74-710.5.
- Anderson, Martin T. Timing indicator for outboard motors. 2,910,958, 11-3-59, Cl. 116-124.
- Anderson, Maurice K. Athletic eye guards. 2,914,769, 12-1-59, Cl. 2-9.
- Anderson, Norman G., to Owens-Illinois Glass Co. Centrifuge tube and method of centrifuging. 2,878,994, 3-24-59, Cl. 233-26.
- Anderson, Norman L., to Allied Chemical Corp. Bis-aryltriazole optical bleaches. 2,867,617, 1-6-59, Cl. 260-240.
- Anderson, Norman L., to Allied Chemical & Dye Corp. Bis-aryltriazole compounds. 2,867,624, 1-6-59, Cl. 260-308.
- Anderson, Norman L., to Allied Chemical Corp. Water-insoluble diazo compounds. 2,879,266, 3-24-59, Cl. 260-152.
- Anderson, Olof V., to Anson, Inc. Key ring. 2,877,640, 3-17-59, Cl. 70-459.
- Anderson, Olof V. Clasp. 2,908,953, 10-20-59, Cl. 24-49.
- Anderson, Orin M., and W. A. Ferrari, to Pak-Mor Mfg. Co. Refuse handling vehicle. 2,868,398, 1-13-59, Cl. 214-82.
- Anderson, Orson L., to Bell Telephone Laboratories, Inc. Apparatus for applying isotropic pressure at elevated temperature to work pieces. 2,888,316, 5-26-59, Cl. 18-47.
- Anderson, Oscar. Combination bait holder, lure and fish hook. 2,878,613, 3-24-59, Cl. 43-44.2.
- Anderson, Oscar A., to United States of America, Atomic Energy Commission. Particle beam tracking circuit. 2,885,562, 5-5-59, Cl. 250-27.
- Anderson, Oscar D., Jr. Device for removing jar screw caps. 2,897,699, 8-4-59, Cl. 81-3.32.
- Anderson, Otis F., 40% to C. E. Sawyer. Motor driven back massaging machine. 2,909,173, 10-20-59, Cl. 128-33.
- Anderson, Paul E., to Western Electric Co., Inc. Fluid pressure sensitive control devices. 2,885,506, 5-5-59, Cl. 200-81.
- Anderson, Paul E., and C. R. Fischrupp, to Western Electric Co., Inc. Apparatus for cleaning relays. 2,872,693, 2-10-59, Cl. 15-21.
- Anderson, Paul Z.: See—
- Boemer, Paul K., Anderson, and Burney. 2,903,864.
- Anderson, Philip G. Washing device. 2,875,461, 3-3-59, Cl. 15-118.
- Anderson, Ralph A., to Panellit, Inc. Automatic process logging system. 2,883,255, 4-21-59, Cl. 346-34.
- Anderson, Ralph A., to Information Systems, Inc. Data recording system. 2,905,520, 9-22-59, Cl. 346-34.
- Anderson, Ralph F.: See—
- Anderson, Swan F. and R. F. 2,877,121.
- Anderson, Swan F. and R. F. 2,915,865.
- Anderson, Ralph F., to National Lock Co. Cabinet hinge. 2,885,724, 5-12-59, Cl. 16-172.
- Anderson, Ralph F., to United States of America, Agriculture. Method for the production of carotenes. 2,890,989, 6-16-59, Cl. 195-78.
- Anderson, Ralph F. Dispensing valve. 2,893,605, 7-7-59, Cl. 222-145.
- Anderson, Ralph T.: See—
- Anderson, Swan F., and Strombeck. 2,918,760.
- Anderson, Raymond J., to The Dow Chemical Co. Preparation of magnesium fluoride. 2,877,095, 3-10-59, Cl. 23-88.
- Anderson, Raymond J., to The Dow Chemical Co. Method of treating open hearth steel. 2,907,652, 10-6-59, Cl. 75-53.
- Anderson, Richard E., to General Electric Co. Multiple pointer instrument. 2,882,855, 4-21-59, Cl. 116-129.
- Anderson, Richard H., to The Robinson Clay Products Co. Resilient toroidal push-type pipe joint. Re. 24,651, 5-19-59, Cl. 285-345.
- Anderson, Richard L., to International Business Machines Corp. Crystal diode with improved recovery time. 2,894,152, 7-7-59, Cl. 307-88.5.
- Anderson, Richard P.: See—
- Lit, Harry B., and Anderson. 2,868,159.
- Lit, Harry B., and Anderson. 2,875,725.
- Anderson, Robert A. Safety lock for refrigerators and the like. 2,904,986, 9-22-59, Cl. 70-78.
- Anderson, Robert B. Grinders. 2,903,193, 9-8-59, Cl. 241-74.
- Anderson, Robert C., to Imperial Chemical Industries Ltd. Production of alkyl haloalkanes by reacting silica with alkyl aluminum halides. 2,914,549, 11-24-59, Cl. 260-448.2.
- Anderson, Robert E.: See—
- Runyan, Walter R., and Anderson. 2,878,152.
- Anderson, Robert H., to Radio Corp. of America. Electron multiplier. 2,868,994, 1-13-59, Cl. 250-207.
- Anderson, Robert H., to Radio Corp. of America. Photo-emissive device. 2,908,840, 10-13-59, Cl. 313-94.
- Anderson, Robert J., to United States of America, Air Force. Vent line centrifuge. 2,868,324, 1-13-59, Cl. 183-77.
- Anderson, Robert J., and J. T. Hamrick, to Thompson Ramo Wooldridge, Inc. Self-cooled turbine drive. 2,893,204, 7-7-59, Cl. 60-39.18.
- Anderson, Robert M., to General Electric Co. Device for determining primer head size in flash lamps. 2,904,746, 9-15-59, Cl. 324-20.
- Anderson, Robert T. Holder for eyeglasses. 2,879,967, 3-31-59, Cl. 248-316.
- Anderson, Rodney R., and H. O. Holston. Transformer mounting apparatus. 2,879,964, 3-31-59, Cl. 248-221.
- Anderson, Roy A. Two-way ear syringe. 2,879,768, 3-31-59, Cl. 128-248.
- Anderson, Roy D., to Ramsey Corp. Coated piston ring. 2,905,512, 9-22-59, Cl. 309-44.
- Anderson, Roy E.: See—
- Russell, Billy N., and Anderson. 2,906,342.
- Anderson, Russell E.: See—
- Bradfield, William W., and Anderson. 2,871,677.
- Anderson, Sidney E., to Deere & Co. Corn harvesting mechanism. 2,870,593, 1-27-59, Cl. 56-104.
- Anderson, Stanley A.: See—
- Robinson, James M., and Anderson. 2,877,077.
- Anderson, Stanley F., and J. F. Gaskin, to Artloom Carpet Co., Inc. Automatic aligning trimming device for pile fabrics of various widths. 2,910,122, 10-27-59, Cl. 164-61.
- Anderson, Swan F. and R. F. Method of forming frozen confection packages. 2,877,121, 3-10-59, Cl. 99-180.
- Anderson, Swan F. and R. F. Bar forming and wrapping machine. 2,915,865, 12-8-59, Cl. 53-122.
- Anderson, Swan F., and L. Strombeck, to said S. F. Anderson, and to R. T. Anderson. Wrapping machine. 2,918,769, 12-29-59, Cl. 53-178.
- Anderson, Tengel, to Overhead Loader Corp. Overhead loader. 2,879,908, 3-31-59, Cl. 214-131.
- Anderson, Theodore R., Sr. Applying and spreading implement for mastic cementitious material. 2,882,716, 4-21-59, Cl. 72-130.
- Anderson, Thomas J.: See—
- Wright, Robert M., and Anderson. 2,903,282.
- Anderson, Trevor J.: See—
- Farriss, Walter H., and Anderson. 2,909,452.
- Anderson, Victor E., to Clear Fir Products Co. Inc. High speed toggle driver pivoted veneer clipper. 2,890,749, 6-16-59, Cl. 164-43.
- Anderson, Vincent R.: See—
- Parsons, Willard J., and Anderson. 2,880,857.



- Anderson, W. E., Inc.: See—  
Hartfield, Robert L., and Webster. 2,887,546.  
Webster, Raymond C. 2,882,494.  
Webster, Raymond C. 2,887,625.
- Anderson, Walter J., to Chicago Musical Instrument Co. Electrical musical instrument. Re. 24,743, 12-1-59. Cl. 84-1-24.
- Anderson, Walter W. Drafting pens. 2,886,003, 5-12-59. Cl. 120-42.6.
- Anderson, Warren D., to Norma-Hoffmann Bearings Corp. Retainer for anti-friction bearings. 2,883,245, 4-21-59. Cl. 308-217.
- Anderson, Wilbur G., Jr., to American Box Board Co. Handle receptacle. 2,868,433, 1-13-59. Cl. 229-52.
- Anderson, Wilford: See—  
Anderson, Alfred H. and W. 2,872,269.
- Anderson, William G. Boat anchor control. 2,893,341, 7-7-59. Cl. 114-210.
- Anderson, William G., and T. R. Willis, to Collins Radio Co. Automatic flight control system. 2,875,965, 3-3-59. Cl. 244-77.
- Anderson, William J., III. Instrument tray. 2,903,129, 9-8-59. Cl. 206-72.
- Anderson, William R. Section liner triangle. 2,910,776, 11-3-59. Cl. 33-110.
- Anderson, William R., to Madison Silo Co. Discharge systems for silos and similar structures. 2,911,116, 11-3-59. Cl. 214-17.
- Anderson, William R., and N. G. Dodson, to Blue Spark, Inc. Insect electrocution apparatus construction. 2,917,863, 12-22-59. Cl. 43-112.
- Anderson, William T., Jr., to Engelhard Industries, Inc. Gaseous electric discharge lamp. 2,896,107, 7-21-59. Cl. 313-184.
- Anderson, Wilmer C., to The Liquidometer Corp. Liquid quantity measuring system and capacitor for use therein. 2,910,869, 11-3-59. Cl. 73-304.
- Anderson, Wilton W.: See—  
Carlson, Roy H., and Anderson. 2,912,709.
- Anderson, Wood P.: See—  
Leaper, Joseph M. F., Bishop, and Anderson. 2,904,422.
- Andersson, Arthur H.: See—  
Bergenheim, Karl T., Andersson, and Bergenheim. 2,867,433.
- Andersson, Carl-Axel, to Trafik- & Vagmarken Aktiebolag. Parking meters. 2,915,163, 12-1-59. Cl. 194-54.
- Andersson, Hans A. Method in manufacturing wooden objects consisting of a plurality of jointed members. 2,878,844, 3-24-59. Cl. 144-309.
- Andersson, Holger, and L. O. Uhus, to Aktiebolaget Svenska Kullagerfabriken. Charging apparatus for shaft furnaces. 2,904,195, 9-15-59. Cl. 214-18.
- Andersson, Karl-A. Collapsible trestle work benches. 2,905,263, 9-22-59. Cl. 182-154.
- Andersson, Karl G.: See—  
Jonsson, Gösta L., and Andersson. 2,895,592.
- Andersson, Karl O. B., to Vibro-Plus Corp. Chain drive for vibrating planing rollers. 2,873,656, 2-17-59. Cl. 94-50.
- Andersson, Nils. Method and apparatus for extrusion coating and product. 2,894,853, 7-14-59. Cl. 117-11.
- Andersson, Per E. D., to R. O. Kaller. Holders for a roll of paper. 2,872,263, 2-3-59. Cl. 312-39.
- Andersson, Sten A.: See—  
Ross, Karl G., Johansson, Axelsson, and Andersson. 2,896,606.
- Andersson, Ture E., to Vibro-Plus Corp. Roller vibrator. 2,868,094, 1-13-59. Cl. 94-48.
- Anderton, Gale W.: See—  
Lent, Robert P., and Anderton. 2,910,952.
- Anderton, Henry: See—  
Powell, Walter N. and A. F., and Anderton. 2,909,115.
- Anderton, William J. Shaft seal with relatively rotatable radially containing sealing surfaces. 2,871,041, 1-27-59. Cl. 286-11.15.
- Andis Clipper Co.: See—  
Andis, Mathew. 2,874,463.  
Andis, Mathew. 2,892,255.  
Andis, Mathew G. 2,869,234.  
Andis, Mathew G. 2,875,519.
- Andis, Mathew, to Andis Clipper Co. Hair clippers having interchangeable comb plates. 2,874,463, 2-24-59. Cl. 30-200.
- Andis, Mathew, to Andis Clipper Co. Hair clippers having interchangeable comb plates. 2,892,255, 6-30-59. Cl. 30-200.
- Andis, Mathew G., to Andis Clipper Co. Hair clipper having a shiftable shear plate. 2,869,234, 1-20-59. Cl. 30-201.
- Andis, Mathew G., to Andis Clipper Co. Hair clipper having shear blade with teeth of uniform width except two marginal teeth of increased width encompassing amplitude of reciprocal blade vibration. 2,875,519, 3-3-59. Cl. 30-210.
- Andover Laboratories, a subsidiary of Walbuck Crayon Co.: See—  
Gieschl, Thomas L. 2,876,161.
- Andre, Frank V. Building wall structure. 2,875,478, 3-3-59. Cl. 20-4.
- André, Henri G., to Yardney International Corp. Separator for electric batteries. 2,890,261, 6-9-59. Cl. 136-9.
- André, Henri G., to Yardney International Corp. Electric battery. 2,906,802, 9-29-59. Cl. 136-8.
- Andre, Henri G., to Yardney International Corp. Charger-control apparatus for electric batteries. 2,916,686, 12-8-59. Cl. 320-46.
- Andre-Matic Machinery Co.: See—  
Andre, Noble. 2,867,320.  
Andre, Noble. 2,911,096.
- Andre, Noble, to Andre-Matic Machinery Co. Carrier for cans. 2,867,320, 1-6-59. Cl. 206-65.
- Andre, Noble, to Andre-Matic Machinery Co. Carton and locking means therefor. 2,911,096, 11-3-59. Cl. 206-65.
- Andre Rubber Co. Ltd.: See—  
Gill, John E., and Fletcher. 2,915,580.  
Hobson, Eric D. 2,902,965.
- Andreas, Arno, to Firma Hazemag Hartzerkleinerungs- und Zement-Maschinenbau Gesellschaft m.b.H. Sliding impact breakers. 2,889,119, 6-2-59. Cl. 241-189.
- Andreas, Ehrhardt O. W. F., to Firma Hazemag Hartzerkleinerungs- und Zement-Maschinenbau-Gesellschaft m.b.H. Disintegrating asbestos ores. 2,891,734, 6-23-59. Cl. 241-289.
- Andreasen, Christian B., to Air-Shields, Inc. Lung ventilators and timing devices therefor. 2,880,719, 4-7-59. Cl. 128-29.
- Andreasen, Christian B., to Air-Shields, Inc. Control apparatus for lung ventilators. 2,904,035, 9-15-59. Cl. 128-29.
- Andreasen, Norman H., to Clipper Industries, Inc. Clamping units. 2,915,799, 12-8-59. Cl. 24-270.
- Andreasen, Rudolf W. Drills. 2,882,765, 4-21-59. Cl. 77-68.
- Andreasen, Rudolf W. Drill. 2,903,921, 9-15-59. Cl. 77-68.
- Andreasen, Rudolf W. Single-double spiral drill. 2,912,887, 11-17-59. Cl. 77-68.
- Andreasen, Rudolf W. Work driver for machine tools. 2,912,893, 11-17-59. Cl. 82-40.
- Andreini, Geno J., to United Aircraft Corp. Preloaded roller bearings. 2,916,336, 12-8-59. Cl. 308-207.
- Andren, Karl H., to Artos Engineering Co. Insulated wire stripper. 2,871,740, 2-3-59. Cl. 81-9.51.
- Andren, Karl H., to Artos Engineering Co. Wire cutting and terminal attaching machine. 2,908,910, 10-20-59. Cl. 1-165.
- Andreotti, Eugene R., and J. Mikitka, to The American Hardware Corp. Powdered metal armature. 2,913,819, 11-24-59. Cl. 29-420.5.
- Andres, Karlheinz, to Ruhrchemie Aktiengesellschaft. Production of nitriles. 2,915,548, 12-1-59. Cl. 260-465.3.
- Andres, Lloyd J., to Apco, Inc. Hot beverage machine. 2,883,922, 4-28-59. Cl. 99-283.
- Andres, Roy K., to Radio Corp. of America. Automatic switching circuit. 2,899,497, 8-11-59. Cl. 178-17.
- Andres, Roy K., to Radio Corp. of America. Automatic switching circuit. 2,912,483, 11-10-59. Cl. 178-2.
- Andresen, Arne O., and P. A. Reinhardt. Descaling apparatus for forging ingots. 2,867,893, 1-13-59. Cl. 29-81.
- Andresen, Karl: See—  
Brandes, Hermann, and Andresen. 2,890,263.
- Andresen, William F., Jr., and R. Schempp, to Food Machinery and Chemical Corp. Automatic box wrapping system. 2,867,158, 1-6-59. Cl. 93-54.
- Andress, Harry J., Jr., to Socony Mobil Oil Co., Inc. Fuel-oil compositions containing formaldehyde salts. 2,867,515, 1-6-59. Cl. 44-63.
- Andress, Lillian W. Flower arrangement carrier. 2,880,920, 6-9-59. Cl. 206-45.34.
- Andrew Corp.: See—  
Krahe, Lawrence R. 2,898,591.  
Scheldorf, Marvel W. 2,896,175.  
Scheldorf, Marvel W. 2,896,206.
- Andrew, Eugene A.: See—  
Cook, Ralph L., and Andrew. 2,888,713.
- Andrew, Frederick L.: See—  
Vitalis, Emil A., and Andrew. 2,886,422.  
Vitalis, Emil A., and Andrew. 2,886,423.  
Vitalis, Emil A., and Andrew. 2,917,378.
- Andrew, Margaret J., to General Motors Corp. Dish rack for domestic appliance. 2,910,207, 10-27-59. Cl. 220-19.
- Andrew, Thomas A. Well jarring tool. 2,882,018, 4-14-59. Cl. 255-27.
- Andrew, Thomas A. Hydraulic vibratory jar. 2,894,724, 7-14-59. Cl. 255-27.
- Andrews, Allen R., and A. E. Winslow, to Standard Screw Co. Twisting means for textile machines. 2,883,824, 4-28-59. Cl. 57-77.45.
- Andrews, Allen R., and A. E. Winslow, to Standard Screw Co. False twist spindle for textile machines. 2,914,905, 12-1-59. Cl. 57-77.45.
- Andrews, Alvin J.: See—  
Pennington, Edward N., Pollock, Wood, Andrews, and Boyer. 2,883,271.  
Wood, James Q., and Andrews. 2,895,805.
- Andrews, Anatol N. Automatic transmission alarm. 2,883,460, 4-21-59. Cl. 179-5.
- Andrews, Dallas R., to Radio Corp. of America. Magnetic record transducer. 2,885,488, 5-5-59. Cl. 179-100.2.
- Andrews, Dallas R., and E. A. Bird, to Radio Corp. of America. Web reeling system. 2,908,495, 10-13-59. Cl. 271-2.1.
- Andrews, Earl W., to The New Jersey Zinc Co. Production of titanium metals. 2,892,764, 6-30-59. Cl. 204-64.
- Andrews, Earl W., to The New Jersey Zinc Co. Production of titanium. 2,898,275, 8-4-59. Cl. 204-64.

- Andrews, Earl W., to The New Jersey Zinc Co. Electrolyzing device. 2,900,318, 8-18-59. Cl. 204-246.
- Andrews, Edward F., to General Motors Corp. Signal seeking tuner with manually wound driving spring. 2,902,599, 9-1-59. Cl. 250-20.
- Andrews, Edward F., to General Motors Corp. Control circuit for signal seeking tuner. 2,904,676, 9-15-59. Cl. 250-20.
- Andrews, Elliot R.: See—  
Goss, Wyman, and Andrews. 2,892,342.
- Andrews, Ernest E. Terminal air brake time testing device. 2,896,443, 7-28-59. Cl. 73-39.
- Andrews, Franklin T., and N. E. Huston. Emergency road sentinel. 2,869,504, 1-20-59. Cl. 116-63.
- Andrews, Howard S., to Esso Research and Engineering Co. Self-cleaning valve. 2,881,783, 4-14-59. Cl. 137-244.
- Andrews, Jack M., H. G. Cornell, N. P. Peet, and W. K. Roquemore, to Esso Research and Engineering Co. Cracking of hydrocarbons. 2,881,129, 4-7-59. Cl. 208-120.
- Andrews, John H. Continuous recording low velocity flow meter and direction indicator. 2,913,900, 11-24-59. Cl. 73-189.
- Andrews, John L., to General Electric Co. Electric heating units and methods of making the same. 2,899,664, 8-11-59. Cl. 338-240.
- Andrews, John Q. Weed extracting device. 2,885,240, 5-5-59. Cl. 294-50.8.
- Andrews, Joseph A., and C. D. Morley, to American Steel Foundries. Draft gear. 2,906,415, 9-29-59. Cl. 213-24.
- Andrews, Kenneth D., to United Aircraft Corp. Lubricating means. 2,878,894, 3-24-59. Cl. 184-6.
- Andrews, Kenneth E., and J. E. Davis, to Lockheed Aircraft Corp. Flush key electrical switch. 2,878,846, 3-17-59. Cl. 200-167.
- Andrews, Laurence M.: See—  
Rabinow, Jacob, and Andrews. 2,915,604.
- Andrews, Lewis D., to Stackpole Carbon Co. Electric switch formed from magnets. 2,896,043, 7-21-59. Cl. 200-87.
- Andrews, Netty B. Towel holder. 2,902,244, 9-1-59. Cl. 248-309.
- Andrews, Richard C., Jr.: See—  
King, Earle C., and Andrews. 2,880,065.
- Andrews, Robert J. M.: See—  
Clarke, George W. 2,914,599.  
Clarke, George W., Weston, and Andrews. 2,894,055.
- Andrews, Roland E., to United States of America, Atomic Energy Commission. Calutron assembling and disassembling apparatus. 2,871,361, 1-27-59. Cl. 250-41.9.
- Andrews, Roland E., to United States of America, Atomic Energy Commission. Calutron assembling and disassembling apparatus. 2,871,363, 1-27-59. Cl. 250-41.9.
- Andrews, Roland E., and J. Thornton, to United States of America, Atomic Energy Commission. Calutron assembling and disassembling means. 2,871,362, 1-27-59. Cl. 250-41.9.
- Andrews, Roy: See—  
Jordan, Richard H., and Andrews. 2,877,797.
- Andrews, Rufus A., to Vickers, Inc. Plunger type solenoid. 2,899,609, 8-11-59. Cl. 317-191.
- Andrews, Stanley W. C.: See—  
Dwyer, James H., and Andrews. 2,891,315.
- Andrews, Steve, to United States Steel Corp. Vacuum balling boat particularly for baths of molten metal. 2,901,006, 8-25-59. Cl. 141-28.
- Andrews, Steve, A. B. Larson, and F. C. Spraltzar. End stop and release for conveyor screw. 2,882,546, 4-21-59. Cl. 15-304.
- Andrews, Victor M., and G. M. Berkin, to International Business Machines Corp. Automatic programming device. 2,910,164, 10-27-59. Cl. 197-133.
- Andrie, Boris. Tool for reforming deformed fastener parts. 2,876,666, 3-10-59. Cl. 81-15.
- Andrieux, Jean L., and E. Bonnier. Process of simultaneously producing calcium metal and silicon-aluminum alloy. 2,867,527, 1-6-59. Cl. 75-67.
- Andriot, George W., and W. J. Riebler, to Peerless Mfg. Division, Dover Corp. Fire screen support. 2,888,226, 5-26-59. Cl. 248-251.
- Andromeda, Inc.: See—  
Lest, Arnold. 2,885,594.
- Andrus, Budd W. Safety guards for cranes and the like. 2,892,549, 6-30-59. Cl. 212-1.
- Andrus, Orrin E., to A. O. Smith Corp. Method and apparatus for bonding laminated structures. 2,912,551, 11-10-59. Cl. 219-9.5.
- Andrus, Paul G., to Haloid Xerox Inc. Xerographic cleaner. 2,874,064, 2-17-59. Cl. 117-17.5.
- Andrus, Paul G., and E. E. Walkup, to Haloid Xerox Inc. Micromanifold for powder cloud development. 2,873,721, 2-17-59. Cl. 118-637.
- Andrychuk, Dmetro, to Diamond Alkali Co. Method for the analysis of liquid chlorine. 2,917,629, 12-15-59. Cl. 250-43.5.
- Andrzejewski, Matthew S., to American Steel Foundries. Rotor brake. 2,890,768, 6-16-59. Cl. 188-59.
- Andrzejewski, Matthew S., and W. R. Polanin, to American Steel Foundries. Single shoe brake arrangement for six wheel trucks. 2,911,069, 11-3-59. Cl. 188-46.
- Andy Brothers Tire Shop: See—  
Di Pietro, Henry. 2,873,479.
- Anemostat Corp. of America: See—  
Honerkamp, Friedrich, Kurth, and Barlow. 2,884,095.
- Anetsberger Brothers, Inc.: See—  
Anetsberger, Frank A., and R. J. 2,907,659.  
Anetsberger, Joseph F. 2,907,285.
- Anetsberger, Frank A., and R. J., to Anetsberger Brothers, Inc. French frying potatoes and improved apparatus therefor. 2,907,659, 10-6-59. Cl. 99-100.
- Anetsberger, Joseph F., to Anetsberger Brothers, Inc. Dough roller equipment. 2,907,285, 10-6-59. Cl. 107-9.
- Anetsberger, Richard J.: See—  
Anetsberger, Frank A., and R. J. 2,907,659.
- Ang, Choh-YL, to P. R. Mallory & Co., Inc. High-strength high-density tungsten base alloys. Re. 24,674, 7-28-59. Cl. 29-182.
- Angarita, Quimet B.: See—  
De Brigard, Juan P., and Angarita. 2,902,745.
- Angel, Arthur M., and R. G. Fisher, to The National Cash Register Co. Tape stopping mechanism. 2,877,012, 3-10-59. Cl. 271-2.3.
- Angel, Arthur M., and H. Mangan, to The National Cash Register Co. Punched tape reader. 2,916,624, 12-8-59. Cl. 250-219.
- Angelaccio, Americo, J. Pertella, and J. Petruccio. Hair curler. 2,903,000, 9-8-59. Cl. 132-34.
- Angelastro, Salvatore P.: See—  
Kamen, Ira, and Angelastro. 2,895,129.
- Angelica Uniform Co.: See—  
Coates, Elmer T. 2,882,846.
- Angelico, Argie C. Protective device for clothesline pulley. 2,889,053, 6-2-59. Cl. 211-119.02.
- Angelini, Roger M., and G. J. Piermarini, 33 1/3% to A. Di Russo, Combs. 2,883,994, 4-28-59. Cl. 132-138.
- Angell, Charles H.: See—  
Noble, Carl M., and Angell. 2,896,854.
- Angell, Frank J. Artist's paint tube rack. 2,867,028, 1-13-59. Cl. 41-4.
- Angell, Pierce T., and R. Cliborn, to Thompson Ramo Wooldridge Inc. Turbine driven pump. 2,910,005, 10-27-59. Cl. 103-87.
- Angeloff, Frank J. Pencil-point sharpener. 2,895,452, 7-21-59. Cl. 120-91.
- Angelstone Ltd.: See—  
Ratcliffe, Edward B. 2,867,887.
- Angelus Sanitary Can Machine Co.: See—  
Peterson, William B., Jr. 2,877,729.  
Peterson, William B., Jr. 2,907,293.
- Angenieux, Pierre. Mechanism for variable focal length objective. 2,873,646, 2-17-59. Cl. 88-57.
- Anger, Ernest G.: See—  
Gould, Charles C., and Anger. 2,911,580.
- Anger, Ernest G., to Square D Co. Motor control system. 2,881,374, 4-7-59. Cl. 318-6.
- Anger, Ernest G., to Square D Co. Motor control circuits. 2,902,634, 9-1-59. Cl. 318-251.
- Anger, Ernest G., and D. L. Pettit, to Square D Co. Motor control system. 2,885,616, 5-5-59. Cl. 318-85.
- Anger, Ernest G., and R. C. Montross, to Square D Co. Electric motor controllers. 2,899,620, 8-11-59. Cl. 318-331.
- Anger, Rudolf, to Sprimag Spritzmaschinenbau G.m.b.H. Device for the feeding of tubes to and for the removal of tubes from a tube-varnishing-machine. 2,914,162, 11-24-59. Cl. 198-33.
- Angerby, Erik A.: See—  
Vigren, Sten D., Angerby, Broberg, and Zander. 2,911,508.
- Angledrill Corp.: See—  
Holmes, Charles D. and H. H. 2,896,913.
- Anglo-American Extrusion Co.: See—  
Rowles, Reginald V., and Gowing. 2,896,581.
- Anglo Paper Products, Ltd.: See—  
Logan, Kenneth C., and Mardon. 2,892,499.
- Angold, Edward B., to The Plessey Co. Ltd. Electro-magnetic relay. 2,902,565, 9-1-59. Cl. 200-104.
- Angst, Paul, and W. Rabald. Razor having an elastic reciprocating cutting means to cut long and short hair. 2,870,534, 1-27-59. Cl. 30-34.
- Angstreich, Herman C.: See—  
Grotsky, Arthur. 2,875,008.
- Angus, George & Co.: See—  
Moore, William A. 2,889,739.  
Thompson, Ezra C., and Jagger. 2,885,740.
- Angus, Harvey L. Combine attachment. 2,887,226, 5-19-59. Cl. 209-139.
- Anheuser-Busch, Inc.: See—  
Herrmann, Bernard L., and Reifeiss. 2,882,696.  
Pollock, Glenn E., Jr., Jett, Gerwitz, and Scallet. 2,913,359.  
Schwalger, Frank H., Gadsby, and J. Schwalger. 2,916,421.  
Sowell, Ernest A., Curtin, Hall, and Scallet. 2,987,086.
- Anicetti, Robert J., to United States of America, Atomic Energy Commission. Process of producing shaped plutonium. 2,899,298, 8-11-59. Cl. 75-84.1.
- Anigstein, Dorothy M.: See—  
Anigstein, Ludwik, Whitney, and Micks. 2,912,359.
- Anigstein, Ludwik, D. M. Whitney, and D. W. Micks: said D. M. Whitney, now by change of name D. M. Anigstein, assor. of 15% to Developments Inc. and 35% to the Board of Regents of The University of Texas. Wound healing agent obtained from blood and method of preparation. 2,912,359, 11-10-59. Cl. 167-74.
- Animal Tran Co. of America: See—  
Koch, Melvin B. 2,900,773.



- Aninga, Johannes B., and J. Tenger, to North American Phillips Co., Inc. Transport device for elongated objects. 2,876,889, 3-10-59, Cl. 198-41.
- Aniser, Charles F. Salt block. 2,908,250, 10-13-59, Cl. 119-51.
- Anjeskey, Alphonse F., to The Cleveland Crane & Engineering Co. Trolley bar conductor support. 2,881,271, 4-7-59, Cl. 191-23.
- Anke, John R., to Allis-Chalmers Mfg. Co. Frangible article shipping assembly. 2,900,157, 8-18-59, Cl. 248-119.
- Anke, Rudolph, to Textile Machine Work. Yarn carrier rod driving mechanism for knitting machines. 2,907,194, 10-6-59, Cl. 66-126.
- Anker-Werke Aktiengesellschaft: See—  
Lauschke, Hans-Ulrich. 2,902,215.  
Sobisch, Johannes. 2,886,107.  
Sobisch, Johannes, and Krüger. 2,915,962.
- Ankh Laboratories, Inc.: See—  
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Salisbury, Alvin B., Jr. 2,872,924.
- Ann, Alberta J. Keyed collet. 2,896,956, 7-28-59, Cl. 279-46.
- Annable, Weldon G.: See—  
Haines, Robert M., Walsh, and Annable. 2,882,232.  
Jacobs, William L., and Annable. 2,897,142.
- Annable, Weldon G., and W. L. Jacobs, to The Pure Oil Co. Contacting apparatus. 2,868,524, 1-13-59, Cl. 261-111.
- Annable, Weldon G., and R. M. Haines, to The Pure Oil Co. Motor fuel. 2,868,629, 1-13-59, Cl. 44-66.
- Annable, Weldon G., W. L. Jacobs, and R. M. Haines, to The Pure Oil Co. Motor fuel. 2,875,145, 2-24-59, Cl. 208-17.
- Annable, Weldon G., and R. M. Haines, to The Pure Oil Co. Gasoline motor fuel. 2,890,947, 6-16-59, Cl. 44-69.
- Annable, Weldon G., and W. L. Jacobs, to The Pure Oil Co. Hydro-refining method for lubricating oils and wax using nickel molybdate or silver molybdate on alumina. 2,915,448, 12-1-59, Cl. 208-27.
- Anner, Georg: See—  
Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,904,545.  
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Wettstein, Albert, Anner, and Schmidlin. 2,883,378.
- Anness, Russell W., to Diamond Gardner Corp. Blank gluing apparatus. 2,875,726, 3-3-59, Cl. 118-212.
- Anness, Russell W., to Diamond Gardner Corp. Container packaging device. 2,900,776, 8-25-59, Cl. 53-191.
- Annis, Andrew J. Power plant. 2,871,438, 1-27-59, Cl. 322-13.
- Annis, Rupert E., Jr., to Improved Machinery, Inc. Bark-removing tools mounted on revolving self-opening arms. 2,880,771, 4-7-59, Cl. 144-208.
- Annis, Rupert E., Jr., to Improved Machinery, Inc. Log-centering bark feeding mechanism. 2,897,859, 8-4-59, Cl. 144-247.
- Anocut Engineering Co.: See—  
Williams, Lynn A. 2,899,781.
- Anrep, René J. Automatic machine for washing, filling and sealing ampoules or similar receptacles. 2,877,611, 3-17-59, Cl. 53-86.
- Anrig, Robert M. Spool trailer. 2,867,390, 1-6-59, Cl. 242-86.5.
- Ansel, Gerhard, and C. J. Huffman, to The Dow Chemical Co. Mandrel and die. 2,872,037, 2-3-59, Cl. 207-19.
- Anselman, George W., and G. A. Babcock, to Whirl-Air-Flow Corp. Air flow conveying system. Re. 24,716, 10-6-59, Cl. 302-24.
- Ansingh, Carl H., to A. L. Robertson Mfg. Co. Ltd. Screw socket of pyramidal cross section terminating in a conical bottom wall. 2,914,984, 12-1-59, Cl. 85-45.
- Anson, Inc.: See—  
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Anson, Mortimer L., and M. Pader, to Lever Brothers Co. Method for preparing a meat-like product. 2,879,163, 3-24-59, Cl. 99-14.
- Anspach, Charles F.: See—  
Kirk, Howard B., and Anspach. 2,876,806.
- Anspach, Harry D., to General Aniline & Film Corp. Process for inhibiting the polymerization of  $\alpha$ -chloracrylate esters and the resultant compositions. 2,882,207, 4-14-59, Cl. 202-57.
- Anspach, Harry D., to General Aniline & Film Corp. Process for inhibiting the polymerization of  $\alpha$ -chloracrylate esters and the resultant compositions. 2,886,494, 5-12-59, Cl. 202-57.
- Anspach, Harry D., and Frank E. Pschorr, to General Aniline & Film Corp. Process for preparation of methyl-alpha-chloroacrylate polymer. 2,913,441, 11-17-59, Cl. 260-89.5.
- Anstalt für die Entwicklung von Erfindungen und Gewerblichen Anwendungen Energa: See—  
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- Anstalt für Montage-Technik: See—  
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- Anstalt Merces: See—  
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- Anstett, Edgar P. Driven type fastener. 2,867,807, 1-13-59, Cl. 1-56.
- Anstett, Edgar P. Sheet metal nail tapered opposite the drawn penetrating end. 2,868,057, 1-13-59, Cl. 85-30.
- Anstett, Edgar P., to No-Sag Spring Co. Spring mounting clip. 2,877,471, 3-17-59, Cl. 5-259.
- Antline, Roland W. Filling indicator for underground tanks. 2,897,553, 8-4-59, Cl. 141-95.
- Antalek, John J., and R. W. Saville, to Radio Industries, Inc. Variable inductance device. 2,914,276, 11-24-59, Cl. 248-27.
- Antar Petroles de l'Atlantique: See—  
Reymoneng, Gaston, and Ouvrard. 2,869,113.
- Antaramian, Vaughn H. Mobile vehicle carrier. 2,918,326, 12-22-59, Cl. 296-1.
- Antell, Joseph C., to Prime Mfg. Co. Rib applying machine. 2,875,455, 3-3-59, Cl. 12-20.
- Antenna Designs, Inc.: See—  
Wells, Robert S., and Wells. 2,888,678.
- Antenna Specialists Co., The: See—  
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Stewart, Jack L. 2,872,680.  
Stewart, Jack L., Friedberg, and Finkle. 2,870,243.
- Antennavision Mfg. & Engineering Co.: See—  
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- Anthes, Clifford C., to Union Carbide Corp. Quick detachable safety connection between blowpipe body and stem. 2,914,344, 11-24-59, Cl. 285-93.
- Anthes, Jacob. Tube tester. 2,897,434, 7-28-59, Cl. 324-23.
- Anthony, Benjamin F.: See—  
Daley, Robert E., and Anthony. 2,890,504.
- Anthony, Benjamin F., to Oglebay Norton Co. Apparatus for producing a veneer lining upon inner wall of hot tops. 2,986,266, 7-28-59, Cl. 18-59.
- Anthony Bros. Fibre Glass Pool Corp.: See—  
Smith, George H. 2,913,036.
- Anthony, Harry E., C. S. Burnham, J. R. De Ment, G. W. Hahn, and J. M. Hepler, Jr., to American Telephone and Telegraph Co. Drawer for storage of keys. 2,886,390, 5-12-59, Cl. 312-308.
- Anthony, John W.: See—  
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- Anthony, Myron L., and R. M. Virkus, to Skill Corp. Cutting apparatus and manufacture thereof. 2,906,612, 9-29-59, Cl. 51-309.
- Anthony, Paul Z.: See—  
Ginger, Leonard G., and Anthony. 2,889,363.
- Anthony, Paul Z., and L. G. Ginger, to Baxter Laboratories, Inc. Process for producing thyroxine. 2,889,364, 6-2-59, Cl. 260-519.
- Anthony, Robert C., and R. J. Williams, to General Motors Corp. Hinge. 2,870,477, 1-27-59, Cl. 16-164.
- Anthony, Russell W.: See—  
McNabb, Warren C., and Anthony. 2,916,971.
- Anthony, Russell W., to National Broach & Machine Co. Compensated worm, worm gear device. 2,877,658, 3-17-59, Cl. 74-409.
- Anthony, Russell W., to National Broach & Machine Co. Centering chuck. 2,893,744, 7-7-59, Cl. 279-123.
- Anthony, Stewart H.: See—  
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- Anthony, William C.: See—  
Spector, Merrill E., and Anthony. 2,870,162.
- Antioch College: See—  
Asakawa, George, and Vernet. 2,901,008.  
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Vernet, Sergius, Corwin, and Asakawa. 2,915,899.  
Von Wangenheim, Adolf. 2,873,609.
- Antioch College of Yellow Springs: See—  
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- Antle, Wade H.: See—  
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- Antlenger, George J., to The B. F. Goodrich Co. Novel barrier layer in laminated structure. 2,893,908, 7-7-59, Cl. 154-139.
- Antognini, Joe: See—  
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Tilles, Harry, and Antognini. 2,916,370.
- Antognini, Joseph: See—  
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- Anton Ernst, J. Elsiele, and W. Federkiel, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dye-stuffs of the anthraquinone series. 2,911,417, 11-3-59, Cl. 260-376.
- Anton, Nicholas: See—  
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- Anton, Nicholas. Variable voltage regulator. 2,874,319, 2-17-59, Cl. 313-54.
- Anton, Nicholas. Radiation detector and indicator. 2,917,632, 12-15-59, Cl. 250-83.6.
- Antonevich, Michael, to The Crawford Mfg. Co., Inc. Stop motions. 2,880,381, 3-31-59, Cl. 317-157.
- Antonidis, John E., M. E. Dray, and R. A. Ulm, to General Motors Corp. Dynamo electric machine. 2,870,354, 1-20-59, Cl. 310-247.
- Antonissen, Peter H. L., to Associated British Oil Engines Ltd. Heat engines. 2,877,622, 3-17-59, Cl. 60-13.

- Antonius, John I. Collapsible automobile tables. 2,898,170, 8-4-59, Cl. 311-21.
- Antonucci, James A. Clamping device for outlet boxes. 2,915,266, 12-1-59, Cl. 248-27.
- Antraigue, Roger. Re-treading machine. 2,915,108, 12-1-59, Cl. 154-9.
- Antrim, William D., to Carrier Corp. Gas burner control means. 2,868,278, 1-13-59, Cl. 158-132.
- Antritter, Max: See—  
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- Anulf, Karl A. Automatic telecommunication systems. 2,873,323, 2-10-59, Cl. 179-175.2.
- Anxionnaz, René, 1/2 to Societe Râteau (Societe Anonyme). Control of high-power turbines. 2,874,711, 2-24-59, Cl. 137-26.
- Anzalone, Rose L. Hair curling device. 2,867,223, 1-6-59, Cl. 132-40.
- Apa, Frank E., and A. W. Torrible, to Land-Air, Inc. Phase control system for a rotating member. 2,881,377, 4-7-59, Cl. 318-175.
- Apblett, William R., and J. A. Wedekind, to Foster Wheeler Corp. Automatic welding torches. 2,908,805, 10-13-59, Cl. 219-125.
- Apco, Inc.: See—  
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- Apco Mossberg Co.: See—  
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- Apel, Alfons, and G. Rössler, to UDIC Societe Anonyme. Preparation of stable polyol solutions and the resulting product. 2,917,390, 12-15-59, Cl. 99-142.
- Apel, John H., to The Jaeger Machine Co. Combination clutch and gear shift control for mixer units. 2,880,832, 4-7-59, Cl. 192-3.5.
- Apex Machine Mfg. Co., Inc.: See—  
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- Apfelbaum, Fred. Vehicle brake operation responsive safety seat device. 2,880,815, 4-7-59, Cl. 180-82.
- Apfelzweig, Alex A. Toggle bolt. 2,908,196, 10-13-59, Cl. 85-3.
- Apgar, Donald H., and E. H. Bosman, to International Business Machines Corp. Digital servo system. 2,907,937, 10-6-59, Cl. 318-28.
- Apon, Cornelis J. V.: See—  
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- Apotekevarucentralen Vitrum Apotekareaktiebolaget: See—  
Jorpes, Johan E., Mutt, Rastgeld, and Lindén. 2,878,159.
- Apotheker, David, to E. I. du Pont de Nemours and Co. Chemical process. 2,875,258, 2-24-59, Cl. 260-678.
- Appel, Arthur V., and R. E. Lewis, to United States of America. Air Force. Instrument dial illuminator. 2,868,960, 1-13-59, Cl. 240-21.
- Appel, Gerhard H. Apparatus for straightening and for relieving stresses in workpieces. 2,894,421, 7-14-59, Cl. 78-14.
- Appel, Gerhard H., and E. Tlaker, to Appel Process, Ltd. Plural workpiece forging machines. 2,872,832, 2-10-59, Cl. 78-24.
- Appel, Gerhard H., and E. Tlaker, to Appel Process, Ltd. Die actuation means for forging machines. 2,905,031, 9-22-59, Cl. 78-21.
- Appel Process, Ltd.: See—  
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- Appeldoorn, John K.: See—  
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- Appell, Herbert R., to Universal Oil Products Co. Boron halide-alkali metal acid pyrophosphate complex and catalyst containing same. 2,871,198, 1-27-59, Cl. 252-433.
- Appell, Herbert R., to Universal Oil Products Co. Process of oxidizing and separating alkylaryl mixtures. 2,874,098, 2-17-59, Cl. 202-57.
- Appell, Herbert R., to Universal Oil Products Co. Alkylation process and catalyst therefor. 2,882,289, 4-14-59, Cl. 260-448.
- Appell, Herbert R., to Universal Oil Products Co. Alkylation of saturated hydrocarbons. 2,903,490, 9-8-59, Cl. 260-666.
- Appenzeller, Valentin, to E. Kueters. Pressure treatment of material. 2,908,964, 10-20-59, Cl. 29-110.
- Appert, Didier, and S. Calliot. Apparatus for enabling a continuous magnetic tape or some other support in the form of a continuous band to be regularly driven inside a magazine charger. 2,918,536, 12-22-59, Cl. 179-100.2.
- Apple, Edward M., to J. Martin. Power operated emergency brake. 2,910,156, 10-27-59, Cl. 192-3.
- Appleberry, Cecil M., Jr.: See—  
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- Applegate, Marvin C., and C. M. Fritz, to P. S. Allen. Automatic photographic apparatus. 2,916,976, 12-15-59, Cl. 95-14.
- Applegate, Walter M. Bole-supporting device. 2,893,668, 7-7-59, Cl. 248-44.
- Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Ureas. 2,874,149, 2-17-59, Cl. 260-77.5.
- Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Substituted ureas. 2,877,268, 3-10-59, Cl. 260-553.
- Applegath, Fred, and R. A. Franz, to Monsanto Chemical Co. Preparation of arylenebenzoxazoles and arylenebenzothiazoles. 2,915,525, 12-1-59, Cl. 260-304.
- Appleton, Arthur I.: See—  
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- Appleton, Arthur I. Tool for seamless conduit terminal elements. 2,867,143, 1-6-59, Cl. 81-15.
- Appleton, Arthur I. Control for automobile seat. 2,871,913, 2-3-59, Cl. 155-15.
- Appleton, Arthur I. Rail anchor. 2,875,954, 3-3-59, Cl. 238-338.
- Appleton, Arthur I. Adjustable mounting flange for switch boxes and the like. 2,879,912, 3-31-59, Cl. 220-3.9.
- Appleton, Arthur I. Electrical conduit union and expansion coupling. 2,900,436, 8-18-59, Cl. 174-86.
- Appleton, Arthur I. Key type rail anchor. 2,905,391, 9-22-59, Cl. 238-315.
- Appleton, Arthur I. Mixer. 2,905,452, 9-22-59, Cl. 250-105.
- Appleton, Arthur I. Service entrance fitting. 2,908,745, 10-13-59, Cl. 174-81.
- Appleton, Arthur I. Apparatus for producing reflectors. 2,910,962, 11-3-59, Cl. 118-500.
- Appleton, Arthur I. Wedge type rail anchor. 2,911,155, 11-3-59, Cl. 238-317.
- Appleton, Arthur I. Mounting for switchbox and the like. 2,917,199, 12-15-59, Cl. 220-3.7.
- Appleton, Bernard S., and K. Barth, to G.M.E. Corp. Hatch cover assembly. 2,891,500, 6-23-59, Cl. 114-202.
- Appleton, Bernard S., and P. Richter, to G.M.E. Corp. Single actuator folding hatch cover. 2,918,122, 12-22-59, Cl. 160-168.
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- Appleton Machine Co., The: See—  
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Wendshuh, Herbert L. 2,875,957.  
Wendshuh, Herbert L. 2,875,960.
- Appleton, Norton A., and A. I., to Appleton Electric Co. Electrical fixture fastener. 2,917,263, 12-15-59, Cl. 248-216.
- Appleton Wire Works Corp.: See—  
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- Appleton Wire Works Inc.: See—  
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- Applied Physics Corp.: See—  
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- Applied Radiation Corp.: See—  
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- Applied Research Inc.: See—  
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- Applied Research Laboratories, Inc.: See—  
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- Applied Science Corp. of Princeton: See—  
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- Appling, John W.: See—  
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- Apra Precipitator Corp.: See—  
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Klemperer, Hans. 2,887,175.  
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- Arastin, Maurice, to United States of America, Army. Firing circuit. 2,890,655, 6-16-59, Cl. 102-70.2.
- Aquadynamics, Inc.: See—  
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- Aquafilter Corp.: See—  
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- Aquatic Products Corp.: See—  
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- Arabian, Karekin G., to Shell Development Co. Paraffin wax compositions having improved flexibility. 2,915,447, 12-1-59, Cl. 208-21.
- Araki, Tsunao: See—  
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- Arant, Gene W.: See—  
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- Arant, Perry. Method of steam cleaning and liquid rinsing. 2,919,070, 12-29-59, Cl. 239-10.
- Arbogast, Alva G. Trapless steam condensate system. 2,886,247, 5-12-59, Cl. 237-9.
- Arbore, James W. Teepee tent. 2,879,780, 3-31-59, Cl. 135-4.
- Arborellus, Mans M., and C. E. G. Lundgren. Arrangement in breathing apparatus for use under water. 2,896,616, 7-28-59, Cl. 128-142.
- Arbuckle, Walter K.: See—  
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- Arcadia Metal Products: See—  
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- Arcadia Metal Products, Inc.: See—  
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- Arcair Co.: See—  
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- Arce, Ambrosio. Adjustable sanitary belt and safety catamenial pad holder. 2,888,926, 6-2-59, Cl. 128—289.
- Arceomont, Paul R.: See—  
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- Arch, John, Jr. Contact governor. 2,895,346, 7-21-59, Cl. 74—526.
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- Archer, Alva I.: See—  
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- Archer-Daniels-Midland Co.: See—  
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- Archer, Hugh M.: See—  
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- Archer, James R.: See—  
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- Archer, John E. Modeling method and means. 2,917,774, 12-22-59, Cl. 18—51.
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- Archer, Monte B.: See—  
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- Archibald, James O., and R. C. Shoemaker, to Hyster Co. Earth compacting device. 2,911,893, 11-10-59, Cl. 94—50.
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- Arden, Thomas R.: See—  
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- Ardia, Vincent H., to Bendix Aviation Corp. Manual controller for an automatic pilot system. 2,879,015, 3-24-59, Cl. 244—77.
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- Arditi, Maurice, and E. S. Nassor, to International Telephone and Telegraph Corp. Variable attenuators. 2,890,424, 6-9-59, Cl. 333—81.
- Ardito, William A., to Westinghouse Electric Corp. Vacuum cleaner coupling with expandable ring locking means. 2,899,215, 8-11-59, Cl. 285—7.
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- Arens, Walter: See—  
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- Argentine, Lou P., to The Budd Co. Resistance welding methods and apparatus. 2,876,333, 3-3-59, Cl. 219—91.
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- Argyle, Sidney C., to Aerojet-General Corp. Optical rectifier. 2,868,066, 1-13-59, Cl. 88—16.8.
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- Arkus, Jack. Undergarments. 2,904,042, 9-15-59, Cl. 128—159.
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- Atchison, Leonard W., to General Electric Co. Refrigerant control means. 2,896,422, 7-28-59, Cl. 62-197.
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- Atkinson, Donald L., and L. E. Currison, to Lear, Inc. Gyroscope. 2,898,765, 8-11-59, Cl. 74-5.
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- Atkinson, Russell H., to Westinghouse Electric Corp. Method for lamp manufacture. 2,913,297, 11-17-59, Cl. 316-25.
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- Attinello, John S. Aircraft high lift supercirculation system using supersonic blowing. 2,868,480, 1-13-59, Cl. 244-42.
- Attinello, John S. Boundary layer control system for aircraft. 2,890,843, 6-16-59, Cl. 244-42.
- Attinello, John S. Aerodynamic air brake and lift spoiler for aircraft. 2,896,881, 7-28-59, Cl. 244-42.
- Atkins, Roy, to Imperial Chemical Industries Ltd. Method and apparatus for the manufacture of continuous consumable electrodes. 2,877,492, 3-17-59, Cl. 18-5.
- Atton, Robert A. Fishing float. 2,881,551, 4-14-59, Cl. 43-44.9.
- Atwell, James F. Spray nozzle. 2,874,995, 2-24-59, Cl. 299-129.
- Atwood, Charles E., to Acme Visible Records, Inc. Record card cabinet having movable card-carrying drawers. 2,901,308, 8-25-59, Cl. 312-303.
- Atwood, Charles W. Diffused lighting means. 2,910,574, 10-27-59, Cl. 240-9.
- Atwater, Norman W.: See—  
Colton, Frank B., and Atwater. 2,891,078.
- Atwater, William M., and P. B. McCoy. Fowl transporter. 2,896,996, 7-28-59, Cl. 296-3.
- Atwell, Harold V., to The Texas Co. Process for the production of carbon monoxide from a solid fuel. 2,879,148, 3-24-59, Cl. 48-206.
- Atwell, Locke P., J. F. Elwell, and G. E. Spaulding, Jr. Spark plug having protruding tip. 2,899,479, 8-11-59, Cl. 123-169.
- Atwood, Arthur E. Collapsible stretcher. 2,880,427, 4-7-59, Cl. 5-82.
- Atwood, Harold T. Rod support structure. 2,902,243, 9-1-59, Cl. 248-263.
- Atwood, Hyatt B., to Herr Mfg. Co., Inc. Lubrication of spinning rings. 2,867,076, 1-6-59, Cl. 57-120.
- Atwood, John G., to The Perkin-Elmer Corp. Mechanically damped servomotor system. 2,888,623, 5-26-59, Cl. 318-448.
- Atwood, Kingston E.: See—  
Kroll, Alvin F., Atwood, and Mehle. 2,886,051.
- Atwood, Mark T.: See—  
Hachman, Gustave B., and Atwood. 2,880,245.
- Atwood, Rawson, and C. C. L'Allemand, to Decorated Metal Mfg. Co., Inc. Insulated wire spool. 2,881,987, 4-14-59, Cl. 242-135.61.
- Atwood, Rawson, and C. C. L'Allemand, to Decorated Metal Mfg. Co., Inc. Textile spool end. 2,883,124, 4-21-59, Cl. 242-118.3.
- Atwood Vacuum Machine Co.: See—  
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Dall, Edward D. 2,917,916.  
Lustig, Walter R. 2,890,476.
- Ring, Harold H., Shrode, Clay, and McCleary. 2,888,734.
- Auber, Edwin H. Shoe heel. 2,878,595, 8-24-59, Cl. 36-36.
- Aubert, Fred B. Flame sensing circuit. 2,870,329, 1-20-59, Cl. 250-27.
- Aubert, Fred B. Safety controls for gas-fired industrial burners. 2,903,052, 9-8-59, Cl. 158-125.
- Aubin, Claude, to Societe d'Etude et d'Application Industrielle de Brevets (S.E.A.B.). Automatic machine for packing liquid or other products. 2,917,879, 12-22-59, Cl. 53-77.
- Aubry, Fernand: See—  
Lefranc, Felix R. 2,898,050.
- Auch, Ernest M., to Holler Carburetor Co. Valve construction. 2,916,045, 12-8-59, Cl. 137-449.
- Anchard, Dwight M. Hammer guard. 2,878,476, 3-24-59, Cl. 1-260.
- Andas, Francis G., to The British Rayon Research Assn. Process utilizing fluidized beds in the dyeing of fabrics, yarns and the like. 2,901,312, 8-25-59, Cl. 8-151.
- Andemar, Pierre, to Societe Alsacienne de Constructions Mecaniques. Selective fluid-distributing device. 2,889,851, 6-9-59, Cl. 137-622.
- Auden, Isabelle H.: See—  
Ericson, Charles G. 2,884,199.
- Audette, Benjamin J. Frames for vehicle license plates or the like. 2,869,261, 1-20-59, Cl. 40-125.
- Audette, Benjamin J., to Benmatt Industries, Inc. License plate bracket. 2,914,285, 11-24-59, Cl. 248-226.
- Audette, Richard R. Hose coupling with wedge hose gripping means. 2,880,020, 3-31-59, Cl. 285-255.
- Audio Devices, Inc.: See—  
Speed, William C., and Sutheim. 2,900,236.  
Speed, William C., and Sutheim. 2,900,239.
- Audriere, Grace. Foldable shopping bag. 2,871,900, 2-3-59, Cl. 150-1.7.
- Audrieth, Ludwig F., to Victor Chemical Works. Methods of making clay products and improved clay products. 2,880,099, 3-31-59, Cl. 106-73.
- Audsley, Alma G. Support for tiered cakes. 2,902,174, 9-1-59, Cl. 211-141.
- Auer, Frederick G., to Champlain Co., Inc. Stripper mechanism. 2,899,871, 8-18-59, Cl. 93-36.
- Auer, John H., Jr., C. S. Wilcox, and M. E. Hoff, Jr., to General Railway Signal Co. Electronic track circuit for railroads. 2,896,068, 7-21-59, Cl. 246-34.
- Auer, Laszlo, to J. R. Geigy, S.A. Clear and pigmented multi-component oil-in-water resin emulsion textile decorating compositions and process for preparing same. 2,907,720, 10-6-59, Cl. 260-6.
- Auer, Laszlo, to J. R. Geigy, S.A. Clear and pigmented oil-in-water resin emulsions containing pentaerythritol alkylid resins. 2,907,721, 10-6-59, Cl. 260-7.5.
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- Auer, Otis N. Sectional cabinet. 2,902,328, 9-1-59, Cl. 312-108.
- Auer, Willem U., H. Groothuis, W. P. Hendal, and J. Vink, to Shell Development Co. Preventing condensation inside a vortex tube. 2,894,371, 7-14-59, Cl. 62-5.
- Auerbach, Abraham E., to Leon Fine & Associates. Electro-magnetically operated typewriter. 2,875,879, 3-3-59, Cl. 197-14.
- Auerbach, Albert A.: See—  
Shaw, Robert F., and Auerbach. 2,902,675.
- Auerbach, Albert A., to United States of America. Air Force. Pulse circuitry stabilization. 2,897,265, 7-28-59, Cl. 178-71.
- Auerbach, Albert A., to Underwood Corp. Amplifier circuit. 2,898,457, 8-4-59, Cl. 250-27.
- Auerbach, Albert A., M. Minkow, and E. D. Schreiner, to Underwood Corp. Signal apparatus. 2,902,686, 9-1-59, Cl. 340-345.
- Auerbach, Herbert M. Process of preparing a floating fish food. 2,904,436, 9-15-59, Cl. 99-3.
- Auerbach, Victor, and A. K. Ingbermann, to Union Carbide Corp. Curable glycidyl polyether-polyamine compositions. 2,901,461, 8-25-59, Cl. 260-47.
- Augeard, Jean M. M. Charging apparatus for blast furnace. 2,897,984, 8-4-59, Cl. 214-35.
- Augenstein, Karl C., to Spidel Corp. Ornamental link for telescoping expandable linkage. 2,889,681, 6-9-59, Cl. 59-82.
- Augenstein, Karl C., and P. Levinger, said Augenstein assor. to Spidel Corp. Expandable self retracting linkage. 2,901,895, 9-1-59, Cl. 63-5.
- Auger, Charles J.: See—  
Zademach, Erich R., Auger, and Lans. 2,867,225.
- Augereau, Gaston G. E. Seal for axle boxes. 2,890,068, 6-9-59, Cl. 286-3.
- Augery, Jean, and F. Bouisset, to Societe Anonyme dite "La Charfa". Paper-gumming machines. 2,865,157, 1-13-59, Cl. 118-8.
- Augier de Cremlers, Bernard, to Societe d'Applications Generales d'Electricite et de Mecanique S.A.G.E.M. Gyroscopic apparatus. 2,912,865, 11-17-59, Cl. 74-5.34.
- Augsburger, Herbert M., to Owens-Illinois Glass Co. Means of controlling electric currents in a furnace forehearth. 2,919,297, 12-29-59, Cl. 13-6.
- August Thyssen-Huette Akt., and Dortmund-Hoerder Huettenuion Akt.: See—  
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- Augustin, Darold A., to Bendix-Westinghouse Automotive Air Brake Co. Compressor valve structure. 2,908,287, 10-13-59, Cl. 137-525.3.
- Augustin, Herbert, to Industriellaktiebolaget Luxor. Magnetic head comprising a core of ferrite. 2,913,481, 11-3-59, Cl. 179-100.2.
- Augustin, Jean, to Societe Franterre. Rubber composition and activated filler for use therein. 2,919,260, 12-29-59, Cl. 260-41.5.
- Augustin, Johann, and O. Holstein, to International Standard Electric Corp. Receiving system for telegraph signals. 2,911,471, 11-3-59, Cl. 178-26.
- Augustine, Alfred: See—  
Morton, William A., and Augustine. 2,869,627.
- Augustine, Frank, and A. D. Schwabe, to Clevite Corp. Quartz crystal. 2,871,192, 1-27-59, Cl. 252-62.9.
- Auken Chemical & Film Corp.: See—  
Van Dam, Max. 2,897,090.
- Auliffe, Frank C., and J. Durnal, to Powers-Samas Accounting Machines Ltd. Record card controlled mechanism. 2,876,888, 3-10-59, Cl. 198-38.
- Ault, Cyrus F., to Allen B. Du Mont Laboratories, Inc. Electric circuit. 2,888,634, 5-26-59, Cl. 323-29.
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- Ault, Waldo C., and R. O. Feuge, to United States of America, Agriculture. Monoglyceride diacetates. 2,895,966, 7-21-59, Cl. 260-348.
- Auman, Reiner J., and A. Meyerhoff, to Kerns Mfg. Corp. Spiral rake compensator for cutter grinding machines. 2,891,358, 6-23-59, Cl. 51-100.
- Aumann, Mark D., to Townsend Engineered Products Inc. Flexible conveyor chute. 2,890,779, 6-16-59, Cl. 193-25.
- Aumüller, Edward F., to Sperry Rand Corp. Compensated gyroscope. 2,880,616, 4-7-59, Cl. 74-5.7.
- Aumüller, Walter: See—
- Ehrhart, Gustav, Ruschig, Aumüller, Stein, and Ther. 2,912,460.
- Ruschig, Heinrich, and Aumüller. 2,904,586.
- Ruschig, Heinrich, Wagner, Aumüller, Korger, Scholz, and Bander. 2,891,960.
- Anne, Alan E., to Burndy Corp. Shielded and coaxial cable connection. 2,889,394, 6-2-59, Cl. 174-88.
- Auphan, Michel, to Societe Generale d'Electronique. Method of forming a film a short distance from a surface. 2,906,637, 6-29-59, Cl. 117-5.5.
- Auphan, Michel, to Societe Generale d'Electronique. Arrangement for projecting televised images on to a large screen. 2,910,532, 10-27-59, Cl. 178-7.5.
- Aurell, Carl G. P., to Telefonaktiebolaget L M Ericsson. Device for indicating the presence of a pulse group with certain determined time intervals between the pulses included therein. 2,909,657, 10-20-59, Cl. 250-27.
- Aurell, Carl G. P., and S. E. Warring, to Telefonaktiebolaget L M Ericsson. Pulse intervals indicating device. 2,888,359, 5-26-59, Cl. 250-27.
- Aurin, Bruno: See—
- Thomas, Ernst, and Aurin. 2,913,808.
- Aurora Equipment Co.: See—
- Dunham, Thomas M. 2,884,139.
- Sitler, Richard W. 2,887,193.
- Sitler, Richard W. 2,888,160.
- Sitler, Richard W. 2,897,997.
- Aurora Steel Products Co.: See—
- Fohn, Jack E. 2,875,604.
- Auscher, Daniel Y. Drawing pen having a device for feeding a writing liquid to the nibs thereof. 2,889,809, 6-9-59, Cl. 120-42.6.
- Aust, John J.: See—
- Weissenbach, Charles D., and Aust. 2,878,984.
- Aust, Paul C., to Food Machinery and Chemical Corp. Apparatus for filling powdered or granular materials into containers. 2,905,362, 9-22-59, Cl. 222-56.
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- Brandt, Edgar W. 2,910,000.
- Austen, Herman E., to The National Cash Register Co. Method of making magnetic data storage devices. 2,877,540, 3-17-59, Cl. 29-155.5.
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- Austin, Abraham L. Collapsible combination bench and table. 2,897,876, 8-4-59, Cl. 155-43.
- Austin, Bascom O., to Westinghouse Electric Corp. Circuit interrupter. 2,913,550, 11-17-59, Cl. 200-98.
- Austin, Charles G., and G. A. Hartung, to Federated Industries Inc. Golf putting practice device. 2,908,503, 10-13-59, Cl. 273-179.
- Austin, Chester R., and R. F. Rinesch, said Austin assor. to Henry J. Kaiser Co. and said Rinesch assor. to Vereinigte Oesterreichische Eisen- und Stahlwerke Akt. Metallurgical process. 2,892,699, 6-30-59, Cl. 75-45.
- Austin Co., The: See—
- Poole, Joseph R. 2,901,170.
- Austin, Dwight E. Vehicle seat. 2,869,615, 1-20-59, Cl. 155-97.
- Austin, Eldon G. Rotary-cutter attachment for portable chainsaw motor. 2,898,959, 8-11-59, Cl. 144-208.
- Austin, Eldon G., to Molalla Mfg. Co. Routing apparatus. 2,898,960, 8-11-59, Cl. 144-208.
- Austin, Eli H.: See—
- Austin, Enoch W. 2,893,521.
- Austin, Emmett K., Jr., and R. T. Reid, to James Lees and Sons Co. Variable twist yarn forming apparatus. 2,876,616, 3-10-59, Cl. 57-91.
- Austin, Enoch W., 50% to E. H. Austin. Sleeve joint. 2,893,521, 7-7-59, Cl. 189-19.
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- Austin, Harold A., to The Brundage Co. Support structure for a blower housing. 2,912,195, 11-10-59, Cl. 248-23.
- Austin, Harold A., and A. M. Waldo, to Brundage Co. Fixture for assembling blower wheels. 2,914,316, 14-24-59, Cl. 269-109.
- Austin, Harry G., Sr.: See—
- Mizell, Floyd M., and Austin. 2,911,372.
- Austin, Harry W., and R. R. Hornickel, to Mine Safety Appliances Co. Energy absorption device. 2,910,702, 11-3-59, Cl. 2-3.
- Austin Hoy and Co. Ltd.: See—
- Proctor, Sidney E. 2,872,826.
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- Austin, James A., to Association en Participation pour le Developpement du Pyrotenax Aux U.S.A. Manufacture of electric cables or other insulated electric conductors. 2,884,660, 5-5-59, Cl. 18-5.
- Austin, James M. Razor blade magazines and blade changers. 2,874,461, 2-24-59, Cl. 30-40.
- Austin, John L. Support for reinforcing steel for concrete structures. 2,911,819, 11-10-59, Cl. 72-122.
- Austin, John R., Sr. Log handling apparatus. 2,903,803, 9-15-59, Cl. 37-117.5.
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- Austin Motor Co. Ltd., The: See—
- Dangerfield, Kenneth J. 2,900,126.
- Horwood, Norman. 2,873,104.
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- Issigonis, Alexander A. 2,913,927.
- Rajan, Ramon. 2,904,358.
- Weaving, John H., and Stuart. 2,869,397.
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- Austin, Walter R. Lawn conditioning tool. 2,874,657, 2-24-59, Cl. 111-7.1.
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- Dowle, David L. 2,867,426.
- Austral Products Corp.: See—
- Dallen, Robert D. 2,872,744.
- Australia, Commonwealth of, Crown Solicitor's Office: See—
- Cumming, Ronald W., and Green. 2,918,869.
- Australian Paper Manufacturers Ltd.: See—
- Donaldson, Godfrey R. 2,878,570.
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- Auten, Howard L. Garment hanger. 2,910,215, 10-27-59, Cl. 223-98.
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- Autere, Reuben J.: See—
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- Authier, Roger A. Outdoor fireplace. 2,897,811, 8-4-59, Cl. 126-9.
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- Auto Engine Works: See—
- Mooney, John D., and Torgersen. 2,885,909.
- Auto Express Rail, Inc.: See—
- Hamilton, Rollie D. 2,908,379.
- Auto-Flo Corp.: See—
- Periman, Milton. 2,897,815.
- Auto Glass Mfg. Co.: See—
- Knoblock, Frederick D., and Koett. 2,902,325.
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- Smith, Vigor C. 2,918,740.
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- Thomas, Thomas R. 2,917,132.
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- Schultz, Arthur N. 2,887,826.
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- Gasche, Fred, and Porter. 2,912,992.
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- Campbell, Harris S. 2,877,856.
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- Reynolds, Donald S., and Thorn. 2,893,598.
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- Moulden, Rhoder E. 2,907,266.
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- Automatic Music, Inc.: See—
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- Nutter, Hugh G. 2,874,819.
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- Stark, Charles H., and G. F. 2,890,828.
- Automatic Serigraph Corp., The: See—
- Clark, James A. 2,881,323.
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- Automatic Timing & Controls, Inc.: See—
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- Automotive Products Co. Ltd.: See—
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- Autry, Walter D. Reamer. 2,872,159, 2-3-59, Cl. 255-73.
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- Ott, Edward E. 2,898,242.
- Tannenbaum, Wesley, and Adams. 2,901,611.
- Wilkie, Wallace J. 2,869,426.
- Avedikian, Souren Z., to United States of America, War. Method of impregnating protective clothing. 2,918,395, 12-22-59, Cl. 117-161.
- Avedon, Robert C., to Electro-Voice, Inc. High frequency loudspeaker structure. 2,873,812, 2-17-59, Cl. 181-31.
- Avellone, Giuseppe R., and R. A. Chapellier, to Combustion Engineering, Inc. Automatic coupling or latching mechanism. 2,868,551, 1-13-59, Cl. 279-76.
- Avendano Lopez, Alfredo. Oppositely threaded nuts having bendable locking tabs. 2,895,523, 7-21-59, Cl. 151-18.
- Aveni, Anthony. Collapsible hood. 2,905,073, 9-22-59, Cl. 98-115.
- Avera, William W.: See—
- Bahnsen, Agnew H., Jr., and Avera. 2,904,254.
- Averette, Thomas P. Sheep foot tamper. 2,893,298, 7-7-59, Cl. 94-48.
- Averill, Charles C., to Union Steel Products Co. Materials handling pallet. 2,892,603, 6-30-59, Cl. 248-120.
- Averill, Charles C., to Union Steel Products Co. Materials handling pallet. 2,909,348, 10-20-59, Cl. 248-120.
- Avera, Carl J. Paint roller wiping and saturating devices. 2,893,030, 7-7-59, Cl. 15-121.2.
- Aversa, Joseph. 25% to S. B. Leavin and 25% to W. H. Leavin. Applicators. 2,867,829, 1-13-59, Cl. 15-133.
- Aversa, Joseph, 25% to S. B. Leavin, and 25% to W. H. Leavin. Lip cosmetic brushes. 2,913,750, 11-24-59, Cl. 15-184.
- Aversten, Karl J., to Svenska Aktiebolaget Gasaccumulator. Welding or soldering pin with fuse wire. 2,885,531, 5-5-59, Cl. 219-99.
- Aversten, Karl J., to Svenska Aktiebolaget Gasaccumulator. Rail-bond shoe attachable by conically pointed brazing pin. 2,890,070, 6-9-59, Cl. 287-20.2.
- Avery Adhesive Products, Inc.: See—
- Morgan, Burton D. 2,917,998.
- Avery, Clarence L., to Woodward Governor Co. Speed controller for impulse turbines. 2,898,925, 8-11-59, Cl. 137-35.
- Avery, Fred J. Sheet inverter. 2,916,164, 12-8-59, Cl. 214-1.
- Avery, Howard: See—
- Lucanera, Constantino, and Avery. 2,912,693.
- Avery, Howard W., to General Electric Co. Metallic fluid seal. 2,903,281, 9-8-59, Cl. 286-35.
- Avery, Robert W., to Burroughs Corp. Electrical slide fastener connector. 2,877,439, 3-10-59, Cl. 339-151.
- Avery, Willis F.: See—
- Shaw, Harold R. 2,874,829.
- Aviation Developments Ltd.: See—
- Springate, Maurice S. 2,916,188.
- Avien, Inc.: See—
- Kadlec, Ladislav. 2,902,970.
- Kadlec, Ladislav, and Becker. 2,919,344.
- Levine, Robert J. 2,899,151.
- Weiss, Leo A. 2,894,948.
- Weiss, Leo A., and Levine. 2,911,829.
- Aviezer, Zvi: See—
- Szekely, George. 2,877,551.
- Aviezer, Zvi, and J. Rapoport. Tent construction. 2,889,838, 6-9-59, Cl. 135-4.
- Avins, Jack, to Radio Corp. of America. Noise immune signal processing circuit. 2,873,314, 2-10-59, Cl. 178-7.5.
- Avins, Jack, and M. H. Kronenberg, to Radio Corp. of America. Frequency selective circuits. 2,898,398, 8-4-59, Cl. 178-5.4.
- Avins, Jack, to Radio Corp. of America. Signal transfer apparatus. 2,907,960, 10-6-59, Cl. 333-76.
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- Avis, Walter R., to Zippo Mfg. Co. Flint carrier and dispenser. 2,878,964, 3-24-59, Cl. 221-263.
- Avrea, Walter C., to Sierra Precision, Inc. Brake travel indicator. 2,873,436, 2-10-59, Cl. 340-52.
- Avril, Arthur C., to A. and T. Development Corp. Method of and apparatus for making dry packaged concrete. 2,904,942, 9-22-59, Cl. 53-25.
- Avro Aircraft Ltd.: See—
- Czerwinski, Wacław. 2,869,901.
- Czerwinski, Wacław. 2,910,866.
- Morrow, Elmore F. 2,870,510.
- Avrutik, Edward R.: See—
- Dwyer, Orrington E., Howe, and Avrutik. 2,914,399.
- Avseev, Ralph J. by judicial change of name to R. J. Ives. Film editing machine. 2,886,648, 5-12-59, Cl. 179-100.1.
- Awot, Alfred E. Heat exchange apparatus. 2,907,318, 10-6-59, Cl. 126-271.
- Axe, Daniel E., to The O. M. Edwards Co., Inc. Anti-friction bearing structure for movable sash. 2,913,079, 11-17-59, Cl. 189-72.
- Axe, William N., and J. T. Gragson, to Phillips Petroleum Co. Metal petroleum sulfonates. 2,884,445, 4-28-59, Cl. 260-504.
- Axell, Gösta J. Clamp for joining stout planks and timbers, more particularly for use in concrete shoring. 2,869,186, 1-20-59, Cl. 20-92.
- Axelrad, Bernard A., to Freeport Sulphur Co. Removal of calcium sulfate scale. 2,884,349, 4-28-59, Cl. 134-22.
- Axelrod, Albert, to Van Norman Industries, Inc. Electro-mechanical transducer for controlling a tuning condenser in an oscillator circuit. 2,896,139, 7-21-59, Cl. 317-250.
- Axelrod, Albert, and R. H. Baer, to Transltron, Inc. Sweep generators. 2,898,511, 8-4-59, Cl. 315-23.



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- Axelrod, Milton L. Self-standing shelf bracket. 2,869,731, 1-20-59, Cl. 211-148.
- Axelrod, Stanley: See—  
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- Axelsson, John S., to General Electric Co. Electrodynamical machine. 2,896,100, 7-21-59, Cl. 310-51.
- Axelsson, John W.: See—  
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- Axelsson, Holger V.: See—  
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- Axelsson, Sten S.: See—  
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- Ross, Karl G., Johansson, Axelsson, and Andersson. 2,896,606.
- Axlander, Axel N. A. Heating element. 2,867,417, 1-6-59, Cl. 257-256.
- Axman, Max W., to Westinghouse Electric Corp. Electromagnetic structures. 2,883,590, 4-21-59, Cl. 317-180.
- Axman, Walter: See—  
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- Schmidt, Warren J., and Axman. 2,889,494.
- Axt, Gunter, and H. Ehrhart, to Chlorator G.m.b.H. Electric analyzer for supervising substances dissolved in a flow of liquid. 2,890,406, 6-9-59, Cl. 324-30.
- Axtell, William R., J. B. Blagman, and A. P. Gialitis, to Ethyl Corp. Manufacture of cyclopentadienyl-manganese compounds. 2,916,506, 12-8-59, Cl. 260-429.
- Axtmann, Harold G., to General Motors Corp. Plural compartment fluid suspension for vehicles. 2,917,319, 12-15-59, Cl. 280-124.
- Ayala, Carl, to M. I. Glass. Novelty. 2,886,316, 5-12-59, Cl. 272-8.
- Ayers, Edward M., Jr., to American Viscose Corp. Track extensions for beam racks. 2,875,902, 3-3-59, Cl. 211-13.
- Aydlett, Guy D., to Eastman Kodak Co. Matrix registration folder. 2,898,833, 8-11-59, Cl. 95-73.
- Ayer, William H.: See—  
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- Ayers, Arnold L., and C. R. Scott, to Phillips Petroleum Co. Substituted furans as hypergolic fuels. 2,874,535, 2-24-59, Cl. 60-35.4.
- Ayers, David T., Jr.: See—  
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- Stelzer, William, and Ayers. 2,918,041.
- Ayers, David T., Jr., to Kelsey-Hayes Co. Power mechanism. 2,867,193, 1-6-59, Cl. 121-41.
- Ayers, David T., Jr., to Kelsey-Hayes Co. Booster brake mechanism. 2,876,627, 3-10-59, Cl. 60-54.6.
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- Ayers, Earl D. Well treating apparatus. 2,912,932, 11-17-59, Cl. 102-20.
- Ayers, Edgar H., to Clark Equipment Co. Control system for electric drive vehicle with auxiliary pump. 2,885,016, 5-5-59, Cl. 180-53.
- Ayers, Edgar H., G. J. Berry, and G. J. Trusock, to Clark Equipment Co. Electric truck control. 2,911,053, 11-3-59, Cl. 180-82.
- Ayers, George W., and W. J. Sandner, to The Pure Oil Co. Preparation of odorless naphthas from heavy alkylate hydrocarbons. 2,874,115, 2-17-59, Cl. 208-285.
- Ayers, George W., and M. J. Gerts, to The Pure Oil Co. Vulcanizable oil extended rubber composition and method of preparing. 2,875,170, 2-24-59, Cl. 260-33.6.
- Ayers, George W., and W. A. Krewer, to The Pure Oil Co. Method of preparing neutral oils. 2,878,181, 3-17-59, Cl. 208-263.
- Ayers, George W., and W. J. Sandner, to The Pure Oil Co. Method of stabilizing odorless naphthas during storage. 2,890,257, 6-9-59, Cl. 260-683.48.
- Ayers, George W., and W. J. Sandner, to The Pure Oil Co. Preparation of odorless naphthas using silica gel. 2,897,145, 7-28-59, Cl. 208-307.
- Ayers, George W., and N. D. Williams, to The Pure Oil Co. Oil extended GR-S rubber having unusual low temperature retraction characteristics. 2,900,357, 8-18-59, Cl. 260-33.6.
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- Ayers, J. W., & Co.: See—  
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- Rinse, Jacobus. 2,911,316.
- Rinse, Jacobus. 2,913,468.
- Rinse, Jacobus, and Morel. 2,910,493.
- Ayers, John O., 1/4 to D. W. Van Story. Drive mechanism. 2,894,398, 7-14-59, Cl. 74-76.
- Ayers, Osborn, and M. Homiak, to Johns-Manville Corp. Method of molding foundry core drier supports. 2,873,480, 2-17-59, Cl. 18-47.5.
- Ayers, Weston D.: See—  
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- Aykanian, Ardashus A., and F. A. Carlson, Jr., to Monsanto Chemical Co. Method for preparing foamed thermoplastic resin forms. 2,905,972, 9-29-59, Cl. 18-48.
- Aylett, John G.: See—  
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- Aylor, Elmo E. Airplane structure. 2,893,661, 7-7-59, Cl. 244-36.
- Aylor, Elmo E., to Midwest Mfg. Co. Brollier. 2,900,482, 8-18-59, Cl. 219-35.
- Ayres Clock Co., Inc.: See—  
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- Ayres, Herbert F., and R. D. Wright, to Laboratory for Electronics, Inc. Proof reader. 2,886,803, 5-12-59, Cl. 340-174.
- Ayres, James N.: See—  
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- Ayres, Jay J., and C. T. Cole, Jr., to Radio Corp. of America. Turret lens indexing and focusing apparatus. 2,905,069, 9-22-59, Cl. 95-44.
- Ayres, Jay J., F. Cohen, and G. Brauer, to Radio Corp. of America. Coupling device. 2,914,739, 11-24-59, Cl. 333-83.
- Ayres, John E., 1/4 to J. M. Wittke. Applicator for pressurized package. 2,913,749, 11-24-59, Cl. 15-139.
- Ayres, Richard E. Animal attachment providing artificial horns. 2,897,780, 8-4-59, Cl. 119-1.
- Ayres, Richard H.: See—  
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- Hopkins, Frank L., and Ayres. 2,913,145.
- Ayres, Samuel, III: See—  
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- Ayres, Waldemar A., to Ayres Clock Co., Inc. Horological mechanism. 2,891,377, 6-23-59, Cl. 58-28.
- Ayres, Waldemar A. Even printing manual typewriter. 2,894,613, 7-14-59, Cl. 197-17.
- Ayres, William R.: See—  
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- Azari, Eric A. E. Gray, H. J. Malin, and H. B. Thompson, to The Magnavox Co. Card processing apparatus. 2,905,466, 9-22-59, Cl. 271-11.
- Azarraga, Luis. Panorama moving picture camera. 2,912,897, 11-17-59, Cl. 88-16.
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- Azbe, Victor J., to Azbe Corp. Method of and apparatus for treating calcareous materials. 2,879,052, 3-24-59, Cl. 263-33.
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- B.A.M. Patentes Ltd.: See—  
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- B.B. Chemical Co.: See—  
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- Johnson, Eric C., and Clarke. 2,912,398.
- Morris, Thomas C., and Chaplick. 2,867,592.
- Morris, Thomas C., and Johnson. 2,894,925.
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- B. & H. Instrument Co., Inc.: See—  
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- Coffman, Paul A., Jr., and Harper. 2,900,110.
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- B. J. Service, Inc.: See—  
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- B-T Co., Inc.: See—  
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- B.U. Supplies & Machinery Co. Ltd.: See—  
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- Baarsgard, Eli J. Mailbox support. 2,873,080, 2-10-59, Cl. 248-146.
- Baas, Erwin. Boom arm. 2,910,190, 10-27-59, Cl. 212-144.
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- Baastrup, Aage I. Hand-operated mechanism for propelling boats and canoes. 2,873,713, 2-17-59, Cl. 115-28.
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- Babbitt, Seth M., to Eclipse Counterbore Co. Method of making fluted cutting tools. 2,889,669, 6-9-59, Cl. 51-288.
- Babcock, Dale F.: See—  
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- Babcock, John C., to The Upjohn Co. 11-oxygenated 17 $\alpha$ ,21-dihydroxypregnane-20-one and esters thereof. 2,868,808, 1-13-59, Cl. 260-397.1.
- Babcock, John C., to The Upjohn Co. Mineral acid salts of pregnane-3,11,20-trione-8-enamine. 2,884,416, 4-28-59, Cl. 260-239.5.
- Babcock, John C., and A. C. Ott, to The Upjohn Co. 3-deoxy-11,17-oxygenated-androstanes. 2,881,185, 4-7-59, Cl. 260-397.3.
- Babcock, John C., J. A. Hogg, and R. L. Pederson, to The Upjohn Co. 217-dl-lower alkyl-testosterones. 2,883,401, 4-21-59, Cl. 260-397.45.
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- Babcock, Samuel. Incinerators. 2,873,101, 2-10-59, Cl. 263-2.
- Babcock, Stuart K. Self-centering relay. 2,872,546, 2-3-59, Cl. 200-93.
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- Rowand, Will H. 2,897,795.
- Rowand, Will H. 2,908,632.
- Rowand, Will H. 2,914,040.
- Rowand, Will H., and Braddy. 2,902,982.
- Rowand, Will H., Marquez, Bayer, and Hughes. 2,891,522.
- Schaap, Willem F. C. 2,905,154.
- Schoessow, Earl E. 2,877,042.
- Schoessow, Earl E. 2,888,292.
- Seldi, Herbert. 2,883,948.
- Seldi, Herbert, and Mogk. 2,869,518.
- Seldi, Hubert. 2,918,024.
- Shank, Thomas A. 2,891,596.
- Sherban, Daniel V. 2,878,011.
- Sifrin, Andreas. 2,881,719.
- Sifrin, Andreas, and Hennecke. 2,873,554.
- Sifrin, Andreas, and Hennecke. 2,905,116.
- Smith, Charles S., and Woolley. 2,872,907.
- Stallkamp, Hubert G. 2,875,736.
- Stevens, William D. 2,889,698.
- Thelen, Josef. 2,870,880.
- Walker, William R. 2,908,385.
- Winklin, Justin P. 2,890,684.
- Wintzer, Rudolph C. 2,912,167.
- Zoller, Ronald E. 2,886,012.
- Babcock, Willis: See—  
Anderson, Gene W., and Babcock. 2,900,919.
- Babick, John J., and K. C. Shipley, to Inland Steel Co. Method and apparatus for handling and storing plates. 2,875,909, 3-3-59, Cl. 214-8.
- Babitch, David I.: See—  
Hudson, John L. 2,884,770.
- Babits, Carl. Ladder step. 2,899,011, 8-11-59, Cl. 182-228.



- Babler, Otto, to Webcor, Inc. Multi-speed phonograph drive. 2,875,623, 3-3-59, Cl. 74-190.
- Babson Bros. Co.: See—  
 Babson, Henry B. 2,893,407.  
 Babson, Henry B. 2,902,975.  
 Merritt, Thomas W. 2,915,072.  
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 Merritt, Thomas W., and Thomas. 2,869,512.  
 Thomas, Chester A. 2,878,819.
- Babson, Henry B., to Babson Bros. Co. Milk pipe line washing system. 2,893,407, 7-7-59, Cl. 134-56.
- Babson, Henry B., to Babson Bros. Co. Automatic shutoff milker. 2,902,975, 9-8-59, Cl. 119-14.43.
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 Quirk, Justin P., and Babunovic. 2,906,305.
- Babyak, George H. Irrigating coping for gardens. 2,909,328, 10-20-59, Cl. 239-268.
- Baby World Co., Inc.: See—  
 Heyden, Herbert F. 2,887,748.
- Baca, Donaciano E. Amusement device. 2,918,284, 12-22-59, Cl. 273-86.
- Bacca, Charles R. Articulated joint unit for hinging two members together. 2,883,254, 4-21-59, Cl. 312-242.
- Bacca, Charles R. Electrical control device for trailer brakes. 2,898,566, 8-4-59, Cl. 338-39.
- Baccara, Mario. Universal clock. 2,907,166, 10-6-59, Cl. 58-44.
- Baccari, Ernest, and T. J. Manse. Gun type electric soldering iron. 2,901,585, 8-25-59, Cl. 219-27.
- Bacchi, Ray, to Baldwin-Lima-Hamilton Corp. Valve operator. 2,908,182, 10-13-59, Cl. 74-509.
- Bach, Ashley S. M., to Pye Ltd. Current feedback circuit for balanced amplifiers. 2,911,565, 11-3-59, Cl. 315-27.
- Bach, Burton E. Micrometric boring head. 2,874,597, 2-24-59, Cl. 77-58.
- Bach, Chester C., and H. F. Runge, to Western Electric Co., Inc. Device for cutting and stripping insulated wire. 2,886,995, 5-19-59, Cl. 81-9.51.
- Bach, Frederick L., Jr., and R. I. Hewitt, to American Cyanamid Co. Anthelmintic polymethylene piperazine and method of using same. 2,868,692, 1-13-59, Cl. 167-55.
- Bach, Frederick L., Jr., H. J. Brabander, and S. Kushner, to American Cyanamid Co. Substituted piperazines and method of preparing the same. 2,909,523, 10-20-59, Cl. 260-268.
- Bach, Loyal M. Electric cord and plug. 2,909,754, 10-20-59, Cl. 339-101.
- Bach, Roland A.: See—  
 Handwerk, Joseph H., and Bach. 2,900,263.
- Bach, Willi, and E. Brackertz, to Askania-Werke A.G. Cinethedolites. 2,893,123, 7-7-59, Cl. 33-46.
- Bach, William D. Remotely adjustable rear-view mirror. 2,873,647, 2-17-59, Cl. 88-93.
- Bacha, James H.: See—  
 Mockiewicz, Sylvester C., and Bacha. 2,882,654.
- Bachelet, Albert E., L. A. Dorff, and D. Mitchell, to Bell Telephone Laboratories, Inc. Mobile radio telephone system. 2,896,072, 7-21-59, Cl. 250-6.
- Bachelet, Albert E., and F. S. Entz, to Bell Telephone Laboratories, Inc. Electronic station selecting circuit. 2,906,996, 9-29-59, Cl. 340-147.
- Bachelet, Albert E., H. H. Haas, and N. A. Newell, to Bell Telephone Laboratories, Inc. Order wire alarm and control circuit. 2,918,307, 12-29-59, Cl. 179-3.
- Bacheller, "D." Elvius, Jr., to D. Campbell. Dispensing device. 2,879,924, 3-31-59, Cl. 222-207.
- Bacher, Adolf, to Siemens & Halske Aktiengesellschaft. Impulse timing chain circuits. 2,912,576, 11-10-59, Cl. 250-27.
- Bacher, Clarence A.: See—  
 Goodbar, Mayo A., Pratt, and Bacher. 2,889,769.
- Bachle, Carl F., and E. A. Hulbert, to Continental Motors Corp. Hydraulic fan drives. 2,913,083, 11-17-59, Cl. 192-61.
- Bachman, Anatole: See—  
 McRoberts, Charles E., and Bachman. 2,902,631.
- Bachman, Fred E., to American Steel Foundries. Renewable contact plate for journal box. 2,888,301, 5-26-59, Cl. 308-54.
- Bachman, Fred E., and A. F. Seelig, Jr., to American Steel Foundries. Snubbed truck. 2,911,923, 11-10-59, Cl. 105-197.
- Bachman, Gustave B., and J. P. Chupp, to Purdue Research Foundation. Chlorination of alkenes. 2,874,195, 2-17-59, Cl. 260-644.
- Bachman, Gustave B., and M. T. Atwood, to Purdue Research Foundation. Process for producing  $\alpha$ -dinitroalkanes from primary nitroalkanes. 2,880,245, 3-31-59, Cl. 260-644.
- Bachman, Gustave B., and T. Hokama, to Purdue Research Foundation. Process for diazotizing primary aromatic amines. 2,894,941, 7-14-59, Cl. 260-141.
- Bachman, Gustave B., and T. J. Logan, to Purdue Research Foundation. Process for the preparation of nitrohalo polymers. 2,913,423, 11-17-59, Cl. 260-2.
- Bachman, James R., and G. R. Eusner, to United States Steel Corp. Refractory product and method of manufacture. 2,878,132, 3-17-59, Cl. 106-67.
- Bachman, Robert J., to Western Electric Co., Inc. Electroplating apparatus. 2,876,191, 3-3-59, Cl. 204-207.
- Bachman, Rudolph E.: See—  
 Bogner, Richard D., Staschover, and Bachman. 2,883,194.
- Bachman, Rudolph E., to Sterling Precision Instrument Corp. Speed reducing gear mechanism. 2,892,357, 6-30-59, Cl. 74-421.
- Bachmann, Dittmar: See—  
 Krause, Walter, Krekeler, Wirtz, Kamptner, and Bachmann. 2,812,475.
- Bachmann, John F., to Bendix Aviation Corp. Oscillator stability checker. 2,902,649, 9-1-59, Cl. 324-82.
- Bachmann, John H., to Columbia-Southern Chemical Corp. Method of leaching unreduced iron-containing titaniferous ores. 2,874,039, 2-24-59, Cl. 75-101.
- Bachmann, John H., J. W. Sellers, and M. P. Wagner, to Columbia-Southern Chemical Corp. Treated pigments and methods of preparing same. 2,884,402, 4-28-59, Cl. 260-41.5.
- Bachmann, Wilhelm: See—  
 Nowack, Rudi, and Bachmann. 2,885,171.
- Bachmayer, Joseph J.: See—  
 Saxton, James H., and Bachmayer. 2,867,166.
- Bachus, Benson F., to Western Electric Co., Inc. Pressure valve and control system for paper pulp machines. 2,895,505, 7-21-59, Cl. 137-563.
- Bachus, Benson F., and T. C. Fitzgerald, to Western Electric Co., Inc. Apparatus for supporting and transferring reels or wire for continuous unreeling of the wire. 2,916,229, 12-8-59, Cl. 242-128.
- Back, Frank G. Reflex camera varifocal lens. 2,902,901, 9-8-59, Cl. 88-57.
- Back, Frank G. Reflex photographic finder. 2,909,109, 10-20-59, Cl. 95-42.
- Back, Frank G. Varifocal lens assembly. 2,913,957, 11-24-59, Cl. 88-57.
- Back, Leonard: See—  
 Bergstein, Frank D., and Back. 2,887,933.
- Back, Leonard, and W. Haas, to The Interstate Folding Box Co. Folding device for paperboard carriers. 2,896,382, 7-28-59, Cl. 53-48.
- Backafach Industrial Instrument Co.: See—  
 Stein, Joseph A. 2,904,071.
- Backe, John C. Sonic action fish lure. 2,881,548, 4-14-59, Cl. 43-42.31.
- Backer, Leon C. Pipe coupling. 2,898,945, 8-11-59, Cl. 138-99.
- Backer, Leon C. Crooked hole straightener for rotary type earth boring equipment. 2,911,195, 11-3-59, Cl. 255-73.
- Backflow Engineering & Equipment Co.: See—  
 Snyder, Leonard L. 2,893,414.
- Backhouse, Headley T. Sheet separating machine. 2,869,867, 1-20-59, Cl. 271-26.
- Backhus, Herman T. Jalousie. 2,917,794, 12-22-59, Cl. 20-62.
- Backlin, Clarence R., to Wilcox & Gibbs Sewing Machine Co. Thread take-up for sewing machine. 2,887,970, 5-26-59, Cl. 112-248.
- Backman, William O. Precision divider setting device. 2,908,979, 10-20-59, Cl. 33-143.
- Backofen, Elmer R.: See—  
 Hastings, Russell, Jr., and Backofen. 2,906,373.
- Backofen, Elmer R., to Clark Equipment Co. Industrial truck. 2,905,348, 9-22-59, Cl. 214-674.
- Backus, John G., to United States of America, Atomic Energy Commission. Ion beam focusing means for calutron. 2,890,337, 6-9-59, Cl. 250-41.9.
- Backus, Keith A., and W. P. Somers, to General Electric Co. Circuit apparatus and method. 2,912,481, 11-10-59, Cl. 174-138.
- Backus, Thomas, to Fuller Mfg. Co. Automotive device. 2,875,872, 3-3-59, Cl. 192-3.5.
- Backus, Thomas, and C. M. Perkins, to Fuller Mfg. Co. Multi speed, lever controlled transmission. 2,892,358, 6-30-59, Cl. 74-473.
- Backus, Thomas, and C. M. Perkins, to Fuller Mfg. Co. Clutch control system. 2,916,118, 12-8-59, Cl. 192-3.5.
- Bacom, Nathan C.: See—  
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- Bacon American Cor.: See—  
 Barefoot, Carlton K. 2,903,742.
- Bacon, Charles H., Co.: See—  
 Hartman, George M., and Williams. 2,890,461.
- Bacon, Donald D., J. H. Scaff, and H. C. Theuerer, to Bell Telephone Laboratories, Inc. Treatment of semiconductive material. 2,871,111, 1-27-59, Cl. 41-42.
- Bacon, Henry M. Flyer-head roving pre-twister condenser. 2,878,637, 3-24-59, Cl. 57-115.
- Bacon, Jack C.: See—  
 Brooks, Lester A., and Bacon. 2,911,392.  
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- Bacon, James L., to Morphy-Richards Ltd. Toasters. 2,887,039, 5-19-59, Cl. 99-328.
- Bacon, John H. Key ring. 2,871,691, 2-3-59, Cl. 70-458.
- Bacon, John H. Device for coupling plastic elements and beaded chains. 2,893,089, 7-7-59, Cl. 24-116.
- Bacon, John H. Dog collar or the like. 2,900,696, 8-25-59, Cl. 24-206.
- Bacon, Leslie R., C. E. Smith, and T. H. Vaughn, to Wyandotte Chemicals Corp. Promoted detergent compositions. 2,886,533, 5-12-59, Cl. 252-138.
- Bacon, Marilyn L.: See—  
 MacGriff, Jack E., and Bacon. 2,882,365.  
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- Bacon, Moody, Jr.: See—  
 Mitchell, Reid L., Berry, and Bacon. 2,898,334.
- Bacon, Robert E. Door stop. 2,882,547, 4-21-59, Cl. 16-85.
- Bacon, Walter M., D. E. Branson, G. J. Knandel, and G. A. Locke, to Bell Telephone Laboratories, Inc. Message transmission system. 2,871,286, 1-27-59, Cl. 178-2.
- Bacon, Walter M., and B. Ostendorf, Jr., to Bell Telephone Laboratories, Inc. Cipher telegraph system. 2,897,268, 7-28-59, Cl. 178-22.
- Bacto-Strip A.G.: See—  
 Förg, Friedrich J. 2,904,474.
- Badall, Edward A. Pneumatic tool support. 2,917,953, 12-22-59, Cl. 77-7.
- Badalich, Frank C., to Bell & Howell Co. Magazine slide changer and shutter for stereo projectors. 2,871,760, 2-3-59, Cl. 88-28.
- Badalich, Frank C., to Bell & Howell Co. Slide changer and shutter for stereoscopic projectors. 2,914,985, 12-1-59, Cl. 88-28.
- Badalini, Giovanni, to S.p.A. Cambi Idrantici Badalini. Hydraulic transmission. 2,891,419, 6-23-59, Cl. 74-687.
- Badcock, David N. W., to Kango Electric Hammers Ltd. Percussive tools. 2,880,585, 4-7-59, Cl. 60-62.5.
- Bade, Alfred G., to The Falk Corp. Multi-speed drive. 2,903,899, 9-15-59, Cl. 74-216.5.
- Bade, Alfred G., to The Falk Corp. Speed reducer. 2,906,137, 9-29-59, Cl. 74-421.
- Bade, Alfred G., to The Falk Corp. Multiple take-off power transmission. 2,918,825, 12-29-59, Cl. 74-325.
- Badeau, Carroll A., to The Thomas & Betts Co. Method of splicing cables. 2,906,017, 9-29-59, Cl. 29-518.
- Baden, Thomas A., L. J. Olson, H. L. Miller, and K. W. Copp, to Donaldson Co., Inc. Dry type air cleaner. 2,907,406, 10-6-59, Cl. 183-62.
- Badenell, Herbert C.: See—  
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- Bader, Alfred R., and J. E. Hyre, to Pittsburgh Plate Glass Co. Polyamine derivatives of alkyl substituted benzenes. 2,875,161, 2-24-59, Cl. 260-2.1.
- Bader, Alfred R., and H. A. Vogel, to Pittsburgh Plate Glass Co. Acetoacetic acid esters of castor oil and the use thereof in plasticization. 2,895,844, 7-21-59, Cl. 106-195.
- Bader, Clifford J., and R. A. Cola, to Burroughs Corp. Aircraft warning devices. 2,876,388, 3-3-59, Cl. 315-292.
- Bader, Erich: See—  
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- Bader, Erich, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Hardening paste for the polymerization of organic compounds. 2,910,443, 10-27-59, Cl. 252-430.
- Bader, Erich, and O. Schweitzer, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for polymerizing ethylenic organic compounds with redox system catalysts in the presence of betaine derivatives. 2,870,118, 1-20-59, Cl. 260-45.5.
- Bader, Erich, and H. Koert, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Adhesive composition comprising an acrylate monomer, an unsaturated polyester and polyvinyl methyl ether. 2,894,932, 7-14-59, Cl. 260-45.4.
- Bader, John: See—  
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- Bader, John. Hydrofoil steering, adjusting and retracting mechanism. 2,887,081, 5-19-59, Cl. 114-66.5.
- Bader, John. Hydrofoil control and retraction mechanism. 2,887,979, 5-26-59, Cl. 114-66.5.
- Bader, Paul, to Ekco Products Co. Strainer constructions. 2,867,331, 1-6-59, Cl. 210-471.
- Bader, Paul E., to Ekco Products Co. Strainer constructions. 2,897,969, 8-4-59, Cl. 210-471.
- Badertscher, Dana K., to American Motors Corp. Engine shroud. 2,893,361, 7-7-59, Cl. 123-41.6.
- Badertscher, Dana K., and J. H. Meech, to American Motors Corp. Lubrication system for an engine. 2,893,514, 7-7-59, Cl. 184-6.
- Badger, Alfred E., to Owens-Illinois Glass Co. Treatment of glass surfaces. 2,881,566, 4-14-59, Cl. 49-77.
- Badger, Everett H., Jr., and S. D. Burton, to Parker-Hannifin Corp. Gate valve and seal. 2,900,165, 8-18-59, Cl. 251-172.
- Badger, George M. W., to Eitel-McCullough, Inc. Thermo-electric power monitor. 2,890,415, 6-9-59, Cl. 324-95.
- Badger, George M. W., to Eitel-McCullough, Inc. Electron tube. 2,910,613, 10-27-59, Cl. 315-5.38.
- Badger, Henry R., J. W. Pratt, and C. Walter, to International Business Machines Corp. Electrical component mounting apparatus. 2,876,277, 3-3-59, Cl. 174-52.
- Badger, John P.: See—  
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- Badger Mfg. Co.: See—  
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- Reid, Warren H., Jr. 2,886,885.
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- Badger Paper Mills, Inc.: See—  
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- Badger Tool & Mfg. Co.: See—  
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- Badgett, Frederick S. Duplicating machine. 2,885,786, 5-12-59, Cl. 33-23.
- Badgley, Gerald J. Television recording camera having stabilized shutter. 2,879,688, 3-31-59, Cl. 88-18.
- Badgley, Gerald J. Reverse drive mechanism for cameras and the like. 2,907,531, 10-6-59, Cl. 242-55.12.
- Badin, Ferdinand, to Societe Mediterraneenne Metallurgique Miniere et Commerciale. Power coupling. 2,895,580, 7-21-59, Cl. 192-58.
- Badin, Ferdinand. Centrifugal powder clutches. 2,901,074, 8-25-59, Cl. 192-58.
- Badische Anilin- & Soda-Fabrik Aktiengesellschaft: See—  
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- Badowski, Walter. Tool for inserting plugs in tire punctures. 2,869,408, 1-20-59, Cl. 81-15.7.
- Badura, Edmund S., to General Motors Corp. Counterbalancing hinge assembly. 2,895,161, 7-21-59, Cl. 16-163.
- Baechler, Robert C. Automatic equalizing impact rear truck bumper device. 2,890,076, 6-9-59, Cl. 293-90.
- Baechli, George, to Joy Mfg. Co. Suspension trouncing idler and supporting means therefor. 2,876,890, 3-10-59, Cl. 198-182.
- Baechli, George, to Joy Mfg. Co. Portable extensible belt conveyor. 2,893,539, 7-7-59, Cl. 198-139.
- Baecklund, Gunnar, to Aktiebolaget Chematur. Method of obtaining acetaldehyde. 2,870,866, 1-27-59, Cl. 183-115.
- Baeder, Donald L.: See—  
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- Baehr, Carl G.: See—  
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- Baehr, Robert G. Convertible lawn mower for hedge cutting. 2,911,781, 11-10-59, Cl. 56-235.
- Baer, Albert M., to Imperial Knife Associated Companies, Inc. Knife handle. 2,896,321, 7-28-59, Cl. 30-164.
- Baer, Albert M., to Imperial Knife Associated Companies, Inc. Combination pocket knife and pen. 2,896,576, 7-28-59, Cl. 120-1.



- Baer, Albert M., to Imperial Knife Co., Inc. Cover unit for a pocket knife and a process for making the same. 2,908,096, 10-13-59, Cl. 41-22.
- Baer, Berta, to Polaire Corsets, Inc. Brassiere. 2,884,928, 5-5-59, Cl. 128-475.
- Baer, Byron N., J. D. Brandner, and J. W. Le Maistre, to Atlas Powder Co. Spinning of viscose. 2,875,078, 2-24-59, Cl. 106-165.
- Baer, Byron N., J. D. Brandner, and J. W. Le Maistre, to Atlas Powder Co. Spinning of viscose. 2,876,124, 3-3-59, Cl. 106-165.
- Baer, Charles A.: See—
- Wolfson, William B., King, Baer, and Clough. 2,897,095.
- Baer, Charles A., and P. J. Clough, to National Research Corp. Coating. 2,877,145, 3-10-59, Cl. 117-227.
- Baer, Charles A., W. F. Bugbee, and P. J. Clough, to National Research Corp. Coating. 2,887,419, 5-19-59, Cl. 148-635.
- Baer, Edward G., to The Will-Burt Co. Vise handles. 2,873,617, 2-17-59, Cl. 74-548.
- Baer, Francis M.: See—
- Paxton, Floyd G., and Baer. 2,907,586.
- Baer, George A.: See—
- Etes, Elmer G., and W. K. and G. A. Baer. 2,870,939.
- Baer, John S., and E. A. Damerau, to Radio Corp. of America. Keyboard mechanism. 2,903,687, 9-8-59, Cl. 340-365.
- Baer, John S., and R. D. Grapes, to Radio Corp. of America. Means for securing relatively movable members. 2,917,331, 12-15-59, Cl. 287-52.08.
- Baer, Josef, to Baer Steel Products, Inc. Canal wall trimmer. 2,867,046, 1-6-59, Cl. 37-85.
- Baer, Massimo, to Monsanto Chemical Co. Non-electrostatic styrene polymer compositions. 2,912,413, 11-10-59, Cl. 260-75.
- Baer, Ralph H.: See—
- Axelrod, Albert, and Baer. 2,898,511.
- Baer Steel Products, Inc.: See—
- Baer, Josef. 2,867,046.
- Baer, Walter S., Sr. Coin-release chair cushion. 2,905,227, 9-22-59, Cl. 155-2.
- Baer, William K.: See—
- Etes, Elmer G., and W. K. and G. A. Baer. 2,870,939.
- Baer, Wolfgang, to J. M. Volth, G.m.b.H. Tugboat and towing system comprising the same. 2,902,966, 9-8-59, Cl. 114-235.
- Baermann, Max. Magnetic friction brake or clutch. 2,886,149, 5-12-59, Cl. 192-18.
- Baermann, Max. Friction increasing arrangement. 2,895,429, 7-21-59, Cl. 105-77.
- Baermann, Max. Apparatus for heating. 2,912,552, 11-10-59, Cl. 219-10.49.
- Baeschlack, Alfred J.: See—
- Bichsel, Harry J., and Baeschlack. 2,879,434.
- Bichsel, Harry J., and Baeschlack. 2,897,342.
- Baessler, John J.: See—
- Abplanalp, Robert H. 2,884,160.
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- Baevsky, Melvin M., to E. I. du Pont de Nemours and Co. Rust preventative and anti-rust stabilizing compositions. 2,873,196, 2-10-59, Cl. 106-14.
- Baffrey, Antoine R., to Societe Anonyme dite: Ateliers de Constructions Electriques de Charleroi. Automatic induction heater. 2,876,325, 3-3-59, Cl. 219-10.69.
- Baffrey, Anton R., H. Hofmeier, W. Schmidt, and E. Hornmann, to Phoenix-Rheinrohr Aktiengesellschaft Vereinigte Hutten-und Rohrenwerke, and A.C.E.C. Ateliers de Constructions Electriques de Charleroi. Induction heating apparatus. 2,895,034, 7-14-59, Cl. 219-8.5.
- Bagaroz, Tully J., to Bamm Corp. Coffee making apparatus. 2,880,664, 4-7-59, Cl. 99-302.
- Bagby, Leland W., to Northrop Aircraft, Inc. Pressure integrating system. 2,871,698, 2-3-59, Cl. 73-147.
- Bagdanovich, Michael P., and J. R. Wilson, to Harvey Machine Co., Inc. Training and test missile. 2,887,055, 5-19-59, Cl. 102-50.
- Bageman, Fred J. Static wheel balancer. 2,909,063, 10-20-59, Cl. 73-484.
- Baggenstoss, Alois C. and C. P. High tensile strength textile materials. 2,904,455, 9-15-59, Cl. 117-144.
- Baggenstoss, Consuelo P.: See—
- Baggenstoss, Alois C. and C. P. 2,904,455.
- Baggett, Durward A., and H. H. McClure, to The Dow Chemical Co. Solution of vinylidene chloride polymer in a pyrrolidone solvent. 2,886,547, 5-12-59, Cl. 260-30.2.
- Baggett, Joseph M., and M. E. Pruitt, to The Dow Chemical Co. Solid polymers of epichlorohydrin. 2,871,219, 1-27-59, Cl. 260-45.95.
- Baggett, Charles E., and F. A. Ullrich. Tree hoe. 2,869,655, 1-20-59, Cl. 172-387.
- Baggett, Edmund W., to Ideal Toy Corp. Dolls. 2,883,795, 4-28-59, Cl. 46-173.
- Baggett, Edmund W., to Ideal Toy Corp. Doll or manikin construction. 2,887,822, 5-26-59, Cl. 46-149.
- Baggett, Edmund W., and J. Weih, to Ideal Toy Corp. Doll or manikin knee or limb joint. 2,904,930, 9-22-59, Cl. 46-173.
- Baggs, Burton D.: See—
- Smith, Alexander, and Baggs. 2,882,978.
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- Baggs, Burton D., Jr.: See—
- Smith, Alexander, and Baggs. 2,882,977.
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- Bagley, Bruce R. Fabricated multiple-sheave grooved pulley. 2,906,134, 9-29-59, Cl. 74-230.8.
- Bagley, Glen D.: See—
- Hoffman, Albert, Jr., and Bagley. 2,891,781.
- Bagley, Jancy A. Telephone receiver support. 2,879,342, 3-24-59, Cl. 179-146.
- Bagley, Vernon H. Debarking adapter for chain saw. 2,889,860, 6-9-59, Cl. 144-208.
- Bagnall, Edwin, deceased; M. L. Giltner, legatee under the will of E. Bagnall. Vehicle sway inhibiting device. 2,893,723, 7-7-59, Cl. 267-11.
- Bagnall, James A., to Texas Instruments Inc. Control for refrigerator. 2,900,802, 8-25-59, Cl. 62-156.
- Bagnall, John, to Canada Paper Co. Apparatus for the manufacture of handle attachments for paper bags. 2,892,244, 6-30-59, Cl. 29-126.
- Bagnall, Kenneth P. Ship salvage apparatus. 2,918,030, 12-22-59, Cl. 114-54.
- Bagnell, Edgar W., to Johnston Testers, Inc. High pressure hose coupling with pressure-wedged sealing means. 2,877,027, 3-10-59, Cl. 285-113.
- Bagnetto, Lucien, Jr.: See—
- Pitzer, Emory W., and Bagnetto. 2,888,499.
- Bagno, Samuel M., to Walter Kidde & Co., Inc. Sensitivity control of apparatus for detecting disturbances in an enclosure. 2,903,683, 9-8-59, Cl. 340-258.
- Bagno, Samuel M., to Walter Kidde & Co., Inc. Apparatus for photoelectric intruder detection. 2,912,683, 11-10-59, Cl. 340-258.
- Bagno, Samuel M., and E. A. Joerren, to Specialties Development Corp. Explosion suppressing system. 2,867,382, 1-6-59, Cl. 169-4.
- Bahlatzis, Danny M.: See—
- Paulos, George L., and Bahlatzis. 2,879,998.
- Bahler, Max E.: See—
- Florestano, Herbert J., Jefferies, Osborne, and Bahler. 2,868,689.
- Bahlmann, Oma. Vibratory knife. 2,908,077, 10-13-59, Cl. 30-272.
- Bahlson, Werner: See—
- Vogdt, Kurt D. O. 2,876,039.
- Bahnson, Agnew H., Jr. Traveling cleaner for textile machines. 2,886,843, 5-19-59, Cl. 15-312.
- Bahnson, Agnew H., Jr. Combined roving break-back and feed mechanism for textile processing machines. 2,886,941, 5-19-59, Cl. 57-87.
- Bahnson, Agnew H., Jr. Apparatus for controlling exhaust of motor alloy heat in textile work rooms. 2,898,727, 8-11-59, Cl. 57-56.
- Bahnson, Agnew H., Jr. Apparatus for controlling exhaust. 2,914,136, 11-24-59, Cl. 183-37.
- Bahnson, Agnew H., Jr., and W. W. Avera, to The Bahnson Co. Cooling and humidifying system. 2,904,254, 9-15-59, Cl. 236-44.
- Bahnson, Agnew H., Sr. Portable arm rest for motor vehicle seats. 2,902,085, 9-1-59, Cl. 155-198.
- Bahnson Co., The: See—
- Bahnson, Agnew H., Jr., and Avera. 2,904,254.
- Byrum, Ely G., Jr. 2,901,881.
- Bahoshy, Bernard J.: See—
- Barsky, George, Babayan, and Bahoshy. 2,898,211.
- Bahr, Morris W. G. Storing and filling devices. 2,902,106, 9-1-59, Cl. 211-11.
- Bahr, Willy: See—
- Haver, Fritz, Bruder, and Bahr. 2,888,961.
- Bahrs, George S. Weighing apparatus. 2,914,310, 11-24-59, Cl. 265-70.
- Bahrs, Siegfried: See—
- Schilling, Werner, Bahrs, and Wiedenmann. 2,873,518.
- Baler, John J., and E. Wodetzky. Art of electrolytically treating metal to clean, level, smooth, polish and/or protect the surfaces thereof. 2,868,705, 1-13-59, Cl. 204-140.5.
- Baler, Othmar, to N. S. J. Werke Akt., and F. Wankel. Mechanism for machining trochoidal rotors and counter-rotors. 2,870,578, 1-24-59, Cl. 51-90.
- Baler, Paul. Self-winding watch. 2,874,532, 2-24-59, Cl. 58-82.
- Baler, Walter: See—
- Von Linde, Robert A., Baler, and Hartmann. 2,896,701.
- Baler, Wilhelm, K.G.: See—
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- Balgent, Keith H., to R. H. Windsor Ltd. Injection moulding machines. 2,916,769, 12-15-59, Cl. 18-30.
- Bailer, Raymond J. Artificial bait. 2,884,732, 5-5-59, Cl. 43-42.33.
- Balles, Richard H., R. S. Long, R. S. Olson, and H. O. Kerlinger, to United States of America, Atomic Energy Commission. Uranium recovery process. 2,873,165, 2-10-59, Cl. 23-14.5.
- Balley, Archibald, Jr., and M. Balley, to Gadget-Of-The-Month Club, Inc. Power-operated disc cutter attachment for drill presses. 2,911,019, 11-3-59, Cl. 144-136.
- Balley, Bradford E., to Esso Research and Engineering Co. Method and apparatus for heating fluids. 2,884,373, 4-28-59, Cl. 208-132.

- Balley, Christopher E. G., to North American Phillips Co., Inc. Automatic frequency control. 2,897,450, 7-28-59, Cl. 331-18.
- Balley, Denis R., and P. H. Daniels, to Shell Development Co. Fuel for internal combustion engines. 2,891,851, 6-23-59, Cl. 44-78.
- Balley, Donald L., to Union Carbide Corp. Gamma-glycidioxypropyl-bis (trimethyl siloxy)-methyl silane. 2,883,397, 4-21-59, Cl. 260-348.
- Balley, Donald L., to Union Carbide Corp. 1-trimethylsiloxy-1-methyl-1,2-siloxacyclopentane. 2,885,454, 5-26-59, Cl. 260-239.
- Balley, Donald L., to Union Carbide Corp. Gamma-(trimethylsiloxy)propyl-bis (trimethylsiloxy)ethylsilane. 2,888,479, 5-26-59, Cl. 260-448.2.
- Balley, Donald L., to Union Carbide Corp. Allyl ether-silicone copolymer. 2,897,222, 7-28-59, Cl. 260-448.2.
- Balley, Donald L., to Union Carbide Corp. Alkoxy-endblocked silicone polymers. 2,909,549, 10-20-59, Cl. 260-448.8.
- Balley, Donald L., to Union Carbide Corp. Trimethylsilyl-endblocked stearyloxyethylmethylpolysiloxane. 2,913,473, 11-17-59, Cl. 260-448.2.
- Balley, Donald L., to Union Carbide Corp. Beta-chloroethoxyethyl-bis (trimethylsiloxy) methylsilane. 2,913,474, 11-17-59, Cl. 260-448.2.
- Balley, Donald L., to Union Carbide Corp. Beta-alkylvinylsiloxy-bis (trimethylsiloxy) alkylsilanes. 2,917,530, 12-15-59, Cl. 260-448.2.
- Balley, Donald L., and W. T. Black, to Union Carbide Corp. Bicycloheptenylethyl-diethoxy silane. 2,868,825, 1-13-59, Cl. 260-448.8.
- Balley, Donald L., and W. T. Black, to Union Carbide Corp. Cyclohexenylethyl-diethoxy silane. 2,868,826, 1-13-59, Cl. 260-448.8.
- Balley, Donald L., and F. M. O'Connor, to Union Carbide Corp. Preparation of alkyl orthosilicates by reacting silicon dioxide with an alcohol. 2,881,198, 4-7-59, Cl. 260-448.8.
- Balley, Donald L., and F. M. O'Connor, to Union Carbide Corp. Process for producing alkoxy-silicon compounds. 2,881,199, 4-7-59, Cl. 260-448.8.
- Balley, Donald L., and E. R. York, to Union Carbide Corp. Siloxane water repellent treatment for fibrous materials. 2,895,853, 7-21-59, Cl. 117-155.
- Balley, Donald L., and E. R. York, to Union Carbide Corp. Cyclic polysiloxanes derived from dichlorosilane and dimethyldichlorosilane. 2,903,703, 9-22-59, Cl. 260-448.2.
- Balley, Donald L., and R. M. Pike, to Union Carbide Corp. Copolymers of mono-vinyl methyl siloxanes and chlorotrifluoroethylene. 2,909,548, 10-20-59, Cl. 260-448.2.
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- Balley, Donald L., and F. M. O'Connor, to Union Carbide Corp. Siloxane oxyalkylene block copolymers. 2,917,480, 12-15-59, Cl. 260-42.
- Balley, Edward A., J. R. Bradicich, and C. F. H. Crathern, to Food Machinery and Chemical Corp. Paper box machine. 2,890,630, 6-16-59, Cl. 93-41.
- Balley, Ervin G., R. M. Hardgrove, and C. C. Hamilton, to The Babcock & Wilcox Co. Steam powered locomotive with water tube steam generator. 2,879,717, 3-31-59, Cl. 105-37.
- Balley, Francis T., to Westinghouse Electric Corp. Radiation level compensator system. 2,883,559, 4-21-59, Cl. 250-219.
- Balley, Frederick E., Jr., to Union Carbide Corp. Polymerization of epoxides with finely divided alkaline earth metal oxides. 2,914,491, 11-24-59, Cl. 260-2.
- Balley, Frederick E., Jr., and F. J. Welch, to Union Carbide Corp. Process for controlling the molecular weight of polyethylene. 2,912,425, 11-10-59, Cl. 260-94.9.
- Balley, George B., to John B. Pierce Foundation. Fin structure. 2,876,631, 3-10-59, Cl. 62-285.
- Balley, George J., Jr. Model railroad car coupler. 2,868,393, 1-13-59, Cl. 213-75.
- Balley, Grant C.: See—
- Holm, Vernon C. F., Balley, and Clark. 2,904,608.
- Balley, Harold G., to The Sun Rubber Co. Apparatus for separating and clamping mold sections in rotational casting machines. 2,879,545, 3-31-59, Cl. 18-43.
- Balley, James R.: See—
- Huth, Walter H., and Balley. 2,873,925.
- Balley, James R. Morse code balloon signaling device. 2,893,165, 7-7-59, Cl. 46-88.
- Balley, James R., 30% to R. J. Balley. Valve construction. 2,895,707, 7-21-59, Cl. 251-46.
- Balley, James S., to The Rauland Corp. Automatic cathode-ray tube manufacturing apparatus. 2,872,954, 2-10-59, Cl. 141-263.
- Balley, Jim, deceased, by W. Balley, administratrix. Apparatus for purifying crude oils. 2,909,262, 10-20-59, Cl. 196-110.
- Balley, Lee W., and P. Fisch. Hair cutting device. 2,900,718, 8-25-59, Cl. 30-30.
- Balley, Margaret: See—
- Balley, Archibald, Jr., and M. Balley. 2,911,019.
- Balley, Maurice H.: See—
- Shlank, William I. 2,918,158.
- Balley Meter Co.: See—
- Barnard, Clayton H., Schink, and Loeser. 2,876,727.
- Dickey, Paul S. 2,886,201.
- Foster, George E. 2,878,397.
- Gorrie, Harvard H. 2,884,940.
- Green, Thomas A., Gorrie, Shannon, and Fink. 2,874,573.
- Green, Thomas A., Gorrie, Shannon, and Fink. 2,885,536.
- Hartman, Carl D. 2,871,107.
- Hoffman, Howard T., Speed, and Janofsky. 2,893,634.
- Howard, William C. 2,871,869.
- Hunter, Richard C. 2,877,064.
- Koppel, Harold H., and Kasiminsky. 2,875,427.
- Kroll, Alvin F., Atwood and Mehle. 2,886,051.
- Panich, Michael. 2,873,163.
- Paulson, William L., Jr. 2,869,520.
- Shannon, Jack F. 2,867,229.
- Shannon, Jack F. 2,871,878.
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- Shannon, Jack F. 2,889,114.
- Shannon, Jack F., Barnard, and Schink. 2,870,729.
- Whitehead, Cyril C. 2,870,393.
- Balley, Meyer E.: See—
- Shlank, William I. 2,918,158.
- Balley, Nathaniel A., A. F. Pasowicz, and J. F. Reynolds, to Wright Chemical Corp. Corrosion inhibiting composition. 2,901,437, 8-25-59, Cl. 252-387.
- Balley, Paul C.: See—
- Van Deventer, Harry R., and Balley. 2,886,640.
- Balley, Paul W. Street collection conveyor mail box. 2,900,046, 8-18-59, Cl. 186-1.
- Balley, Paul W. Street conveyor mail, newspaper and milk products box. 2,904,131, 9-15-59, Cl. 186-1.
- Balley, Philip S., to Esso Research and Engineering Co. Process for preparing 2,2'-biaryldicarboxylic acids. 2,870,194, 1-20-59, Cl. 260-469.
- Balley, Philip S., to Esso Research and Engineering Co. Preparation of diphenic acid. 2,888,485, 5-26-59, Cl. 260-523.
- Balley, Ralph K., to The Buckeye Corp. Hydroponic apparatus and tray therefor. 2,917,867, 12-22-59, Cl. 47-1.2.
- Balley, Ray: See—
- Bennett, Garland E., Matthews, and Balley. 2,898,023.
- Balley, Reginald K. Phonograph record and playing system therefor. 2,913,247, 11-17-59, Cl. 274-42.
- Balley, Richard P., to Quebec Metallurgical Industries Ltd. Method for extracting nickel from laterite ores. 2,899,300, 8-11-59, Cl. 75-101.
- Balley, Robert H.: See—
- Pratt, Robert H., and Balley. 2,914,422.
- Balley, Robert J.: See—
- Balley, James R. 2,895,707.
- Balley, Robert S.: See—
- Levine, Arnold M., and Balley. 2,889,521.
- Balley, Theodore L., to United States of America, Army. Double cap. 2,870,449, 1-27-59, Cl. 2-172.
- Balley, Theodore L., to United States of America, Army. Elastic front cap. 2,870,450, 1-27-59, Cl. 2-197.
- Balley, Theodore L. Sofa bed assembly. 2,909,759, 10-27-59, Cl. 5-8.
- Balley, Thomas E., to The Borden Co. Wiper die. 2,892,442, 6-30-59, Cl. 118-125.
- Balley, Walter H.: See—
- Coxworth, Lowry. 2,888,064.
- Balley, William A. Automatic release and reset anchor. 2,874,668, 2-24-59, Cl. 114-208.
- Balley, William A. Take-off for fluid ducts. 2,907,592, 10-6-59, Cl. 285-219.
- Balley, William F., to Hazeltine Research, Inc. Color-television projector. 2,875,273, 2-24-59, Cl. 178-5.4.
- Balley, William J., to J. & E. Hall, Ltd. Lift control systems. 2,867,293, 1-6-59, Cl. 187-29.
- Balley, William M., Co.: See—
- Balley, William M., and Plante. 2,878,009.
- Neely, Eugene M. 2,884,959.
- Balley, William M., and T. W. Plante, to William M. Balley Co. Sinter cooling machines. 2,878,009, 3-17-59, Cl. 266-21.
- Balley, William R., to Gar Wood Industries. Supporting members. 2,870,793, 1-27-59, Cl. 138-78.
- Balley, Winnie: See—
- Balley, Jim. 2,909,262.
- Bailly, Florent H., to F. H. Bailly. Pozzolan plasterboard. 2,882,175, 4-14-59, Cl. 106-115.
- Bailly, Florent H. Mineralogical analysis. 2,896,442, 7-28-59, Cl. 73-15.
- Bailly, Randolph M.: See—
- Leigh, Marjorie W., Welty, Sage, and Bailly. 2,911,358.
- Bain, George W.: See—
- Orthuber, Richard K., Larson, and Bain. 2,877,371.
- Bain, George W., to International Telephone and Telegraph Corp. Image multiplier. 2,871,369, 1-27-59, Cl. 250-213.
- Bain, George W., to The Trustees of Amherst College. Recovery of uranium from dilute uranium-containing solutions. 2,885,258, 5-5-59, Cl. 23-14.5.
- Bain, George W., to International Telephone and Telegraph Corp. Polarized electroluminescent phosphors and dielectrics. 2,887,601, 5-19-59, Cl. 313-108.
- Bain, George W., to International Telephone and Telegraph Corp. Delay line. 2,892,104, 6-23-59, Cl. 307-106.
- Bain, James M.: See—
- Edwards, Ernest C., and Bain. 2,879,038.



- Bain, Joseph P., A. B. Booth, H. G. Hunt, and E. A. Klein, to The Glidden Co. Treatment of verbenyl ethers. 2,871,268, 1-27-59, Cl. 260-587.
- Bain, Joseph P., A. B. Booth, and W. Y. Gary, to The Glidden Co. Isomerization of terpenic alcohols. 2,894,040, 7-7-59, Cl. 260-631.5.
- Bain, Joseph P., and W. Y. Gary, to The Glidden Co. Production of oxygenated terpenes from alpha-pinene. 2,911,442, 11-3-59, Cl. 260-631.5.
- Bainbridge, Marvin, to Maui Pineapple Co., Ltd. Means for the continuous processing of comestibles. 2,917,989, 12-22-59, Cl. 99-356.
- Balocchi, John. Machine for extruding, measuring, cutting and applying edible material. 2,890,662, 6-16-59, Cl. 107-14.
- Bair, Lura K. Illuminated fishing lure. 2,898,698, 8-11-59, Cl. 43-17.5.
- Bair, Milford M. Prosthetic device. 2,915,760, 12-8-59, Cl. 3-2.
- Bair, Murray W., to The Magnavox Co. Gun control circuit for semi-automatic operation of machine gun. 2,891,449, 6-23-59, Cl. 89-135.
- Bair, Reisin O.: See—
- Roberts, Harold P., and Bair. 2,917,567.
- Bair, Richard H., to The Hubley Mfg. Co. Toy speedometer. 2,896,708, 7-28-59, Cl. 141-18.
- Bair, Richard H., to Weiss Bros. Truck dock bumper. 2,893,720, 7-7-59, Cl. 267-1.
- Bair, Roger I. Combined step and stairway and extension ladder. 2,896,830, 7-28-59, Cl. 228-25.
- Bair, Vernon, to Aronco Aktiebolag. Machine for wrapping tobacco fillers. 2,917,053, 12-15-59, Cl. 131-31.
- Bair, Wilford G.: See—
- Linden, Henry R., Reid, and Bair. 2,881,232.
- Baird, Albert W., to Union Carbide Corp. Welding wire feed. 2,880,305, 3-31-59, Cl. 219-130.
- Baird, Art R.: See—
- Clark, Jonathan H., and Baird. 2,889,944.
- Baird-Atomic, Inc.: See—
- Stoddart, Hugh F., and Voutselas. 2,867,752.
- Stoddart, Hugh F., Cording, and Voutselas. 2,880,379.
- Baird, Douglas O., and R. G. Bielenberg, to General Telephone Laboratories, Inc. Automatic telephone systems provided with toll recording facilities. 2,881,258, 4-7-59, Cl. 179-18.
- Baird, Douglas O., and R. G. Bielenberg, to General Telephone Laboratories, Inc. Automatic telephone systems involving toll-recording facilities. 2,881,260, 4-7-59, Cl. 179-18.
- Baird, James D. Ladder platform. 2,881,028, 4-7-59, Cl. 304-11.
- Baird, James S. Fishing hook stand-off. 2,893,159, 7-7-59, Cl. 43-44.85.
- Baird, Joseph J., and C. A. Osovski, to Chesebro Whitman Mfg. Corp. Means for assembling ladders. 2,911,018, 11-3-59, Cl. 144-2.
- Baird Machine Co., The: See—
- Bunnell, Earl C. 2,908,318.
- Baird, Norman F., and W. J. Monohan, to Westinghouse Electric Corp. Metallic part and corrosion resistant coating therefor. 2,916,402, 12-8-59, Cl. 117-134.
- Baird, Otho P. Tiltable outboard motor mount attachment for boats. 2,916,009, 12-8-59, Cl. 115-41.
- Baird, Raymond C., to The Fluor Corp., Ltd. Self-synchronizing horse power indicator. 2,869,962, 1-20-59, Cl. 346-4.
- Baird, Raymond C., to Combustion Engineering, Inc. Vibration free apparatus. 2,893,509, 7-7-59, Cl. 181-46.
- Baird, Richard F., to Chrysler Corp. Windshield wiper mounting. 2,900,658, 8-25-59, Cl. 15-250.4.
- Baird & Tatlock (London) Ltd.: See—
- Bisby, Harry, Chapman, and Matthews. 2,891,699.
- Balsden, Charles W.: See—
- Thompson, Wayne G. 2,887,073.
- Balsden, Harry W.: See—
- Thompson, Wayne G. 2,887,073.
- Balsley, Raymond J.: See—
- Keely, Clifford D. 2,898,816.
- Keely, Clifford D. 2,898,820.
- Balts, Stephen S., to Sundstrand Machine Tool Co. Air block valve circuit. 2,871,981, 2-3-59, Cl. 184-6.
- Bakaloff, Todor: See—
- Leicht, Alfons A., and Bakaloff. 2,872,559.
- Bakelaar, John H.: See—
- Hibbard, Oscar L., and Bakelaar. 2,909,891.
- Baker, Albert A., and J. H. Schmid, to J. A. Zurn Mfg. Co. Siphon leg and water closet combination. 2,875,453, 3-3-59, Cl. 4-252.
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- Baker, Albert A., and H. L. Rhoades, Jr., to J. A. Zurn Mfg. Co. Roof drain. 2,881,921, 4-14-59, Cl. 210-166.
- Baker, Albert A., and H. L. Rhoades, Jr., to Zurn Industries, Inc. Drain cup and support therefor. 2,888,138, 5-26-59, Cl. 210-166.
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- Baker, Albert B.: See—
- McIlhenny, William F., Baker, Clarke, and Bauman. 2,897,051.
- Baker, Albert F., to Hancock Industries, Inc. Free handle door latching mechanism. 2,911,248, 11-3-59, Cl. 292-280.
- Baker, Allister L.: See—
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- Baker, Arthur F., to American Steel Foundries. Clasp brake. 2,900,050, 8-18-59, Cl. 188-56.
- Baker, Benjamin P., and P. R. Pierson, to Westinghouse Electric Corp. Electrical insulators. 2,909,591, 10-20-59, Cl. 174-177.
- Baker, Bernard R., and H. M. Kissman, to American Cyanamid Co. Derivatives of 5-amino-d-ribofuranose. 2,875,194, 2-24-59, Cl. 260-211.
- Baker, Bertall B., and J. D. Morrison, to Southern Research Institute. Process for fluoride detection. 2,870,067, 1-20-59, 204-1.
- Baker Castor Oil Co., The: See—
- Smith, Malcolm K. 2,902,500.
- Baker, Charles B.: See—
- Conlisk, John R., and Baker. 2,886,131.
- Baker, Charles F. Soap holder. 2,908,106, 10-13-59, Cl. 45-28.
- Baker, Charles H.: See—
- Baker, Vance A. 2,911,078.
- Baker, Charles H., to S & C Electric Co. Circuit interrupting means. 2,880,289, 3-31-59, Cl. 200-120.
- Baker, Corwin W., to Burroughs Corp. Ring winding machine. 2,905,399, 9-22-59, Cl. 242-4.
- Baker, Donald R., to The Marley Co. Method of preserving the wooden structure of cooling towers by impregnating. 2,895,848, 7-21-59, Cl. 117-57.
- Baker, Donald R., J. A. Nelson, and A. B. Storer, to The Marley Co. Timber connector. 2,867,016, 1-6-59, Cl. 20-92.
- Baker, Donald R., and H. E. Fordyce, to The Marley Co. Drift eliminator assembly for cooling towers. 2,892,509, 6-30-59, Cl. 183-26.
- Baker, Douglas H., and R. G. Schaale, to Allis-Chalmers Mfg. Co. Rake for trash rack. 2,904,181, 9-15-59, Cl. 210-159.
- Baker, Dwight L.: See—
- Grimm, Phyllis W., and Baker. 2,901,401.
- Baker, Edgar B., to Stauffer Chemical Co. Method of improving soil. 2,868,758, 1-13-59, Cl. 260-41.
- Baker, Edgar B., to Stauffer Chemical Co. Process for preparing epoxy resin modified proteins and compositions resulting therefrom. 2,882,250, 4-14-59, Cl. 260-6.
- Baker, Edward G., to Esso Research and Engineering Co. Titanium dioxide-calcium oxide catalyst for cracking hydrocarbons. 2,886,513, 5-12-59, Cl. 208-121.
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- Baker, Edward G., T. J. Obszarny, and J. Schmidt, to Guardian Electric Mfg. Co. Relay. 2,882,367, 4-14-59, Cl. 200-87.
- Baker, Edward G., and I. Kirshenbaum, to Esso Research and Engineering Co. Boron zinc oxide and boron magnesium oxide catalysts for conversion of hydrocarbons. 2,889,266, 6-2-59, Cl. 208-114.
- Baker, Edward G., and I. Kirshenbaum, to Esso Research and Engineering Co. Catalytic cracking. 2,906,692, 9-29-59, Cl. 208-74.
- Baker, Floyd A., to Westinghouse Electric Corp. Amplifier circuit. 2,871,441, 1-27-59, Cl. 323-89.
- Baker, Forrest G., and W. V. Millman, to American Air Filter Co., Inc. Air conditioning unit. 2,909,043, 10-20-59, Cl. 62-285.
- Baker, Frank W. Grass trimming device. 2,882,600, 4-21-59, Cl. 30-316.
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- Baker, George T., to British Telecommunications Research Ltd. Telecommunication systems. 2,877,306, 3-10-59, Cl. 179-18.
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- Baker, George T., and J. E. Wright, to British Telecommunications Research Ltd. Magnetic recording equipment. 2,907,007, 9-29-59, Cl. 340-174.
- Baker, George W.: See—
- Gabriel, Gustave O. 2,871,384.
- Baker, Glenn J.: See—
- Barret, William M., and Baker. 2,901,689.
- Baker, Halsted W., Jr., and J. W. Turner, to Rowe Mfg. Co., Inc. Merchandising machine control circuit. 2,876,883, 3-10-59, Cl. 194-10.

- Baker, Harold B.: See—
- Barker, Lyllard B., and Baker. 2,900,742.
- Baker, Harold F., to Signode Steel Strapping Co. Piston and staple driver combination. 2,881,738, 4-14-59, Cl. 121-13.
- Baker, Harry I., to King-Seely Corp. Electrical temperature sensing device. 2,890,429, 6-9-59, Cl. 338-28.
- Baker, Harry I., to King-Seely Corp. Thermally compensated overload device. 2,911,501, 11-3-59, Cl. 200-113.
- Baker, H. Dale: See—
- Jones, Frank J. 2,873,100.
- Baker, Herbert C.: See—
- Gailliot, Joseph M., Jr., Wolfe, and Baker. 2,878,349.
- Baker, Herbert K. Variable speed transmission. 2,883,881, 4-28-59, Cl. 74-677.
- Baker, Herman, and H. B. Ross, to International Hormones, Inc. Production of vitamin B<sub>12</sub> by thermophiles. 2,917,436, 12-15-59, Cl. 195-125.
- Baker, Houston R. Method of etching glass. 2,879,147, 3-24-59, Cl. 41-43.
- Baker, Howard E., and J. A. Kapfer. Fishing apparatus. 2,913,845, 11-24-59, Cl. 43-15.
- Baker, Hugh J., & Co.: See—
- Robinson, Howard A. 2,868,487.
- Baker Industries, Inc.: See—
- Ratzer, Arthur F., and Levin. 2,870,095.
- Baker, Jack M., to General Electric Co. Regulating system for steam-gas turbine powerplant. 2,911,789, 11-10-59, Cl. 60-39.18.
- Baker, James G., to United States of America, Air Force. 36-inch f/3.7 lens. 2,872,845, 2-10-59, Cl. 88-57.
- Baker, James G., to United States of America, Air Force. Magnifier. 2,885,928, 5-12-59, Cl. 88-57.
- Baker, James G., to United States of America, Air Force. Corrected photographic objective for night photography. 2,892,381, 6-30-59, Cl. 88-57.
- Baker, James G., to United States of America, Air Force. Sighting instrument optical system. 2,899,862, 8-18-59, Cl. 88-57.
- Baker, James G., to United States of America, Air Force. Magnifier. 2,900,871, 8-25-59, Cl. 88-57.
- Baker, James G., to United States of America, Army. Impact detonating fuse. 2,912,934, 11-17-59, Cl. 102-73.
- Baker, Jesse G.: See—
- Netherton, Lyman R., and Baker. 2,878,611.
- Netherton, Lyman R., and Baker. 2,878,612.
- Baker, John C.: See—
- Pryor, Dean E., and Baker. 2,896,568.
- Baker, John E., H. A. C. Hogg, and E. Kettlewell, to The M-O Valve Co. Ltd. Magnetrons. 2,887,615, 5-19-59, Cl. 315-39.77.
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- Holer, Walter A., and Baker. 2,902,798.
- Baker, John R., to Baker Oil Tools, Inc. Cold flow preventing packing structures. 2,896,724, 7-28-59, Cl. 166-204.
- Baker, John R., and E. H. Clark, Jr., to Baker Oil Tools, Inc. Tubing anchor. 2,874,784, 2-24-59, Cl. 166-212.
- Baker, Joseph W., and K. L. Godfrey, to Monsanto Chemical Co. Dialkoxyposphinothioylthio-S-triazines. 2,887,432, 5-19-59, Cl. 167-33.
- Baker, Joseph W., and K. L. Godfrey, to Monsanto Chemical Co. Pyridylethyl thiophosphates. 2,889,330, 6-2-59, Cl. 260-294.8.
- Baker, Joseph W., and G. A. Saul, to Monsanto Chemical Co. Nitrobenzoylphosphonates. 2,900,296, 8-18-59, Cl. 167-30.
- Baker, Joseph W., and G. A. Saul, to Monsanto Chemical Co. Treating agricultural soils with propargyl phosphorothioates. 2,906,661, 9-29-59, Cl. 167-22.
- Baker, Lathan E., to General Motors Corp. Pressure measuring device. 2,879,450, 3-24-59, Cl. 315-58.
- Baker, Leslie N.: See—
- Hussar, Joseph P. 2,915,912.
- Baker, Leslie N. Motor driven rotary tooth brush. 2,916,752, 12-15-59, Cl. 15-28.
- Baker, Lionel R.: See—
- Hopkins, Harold H., and Baker. 2,878,722.
- Baker, Macon, to Atlas Enameling Co., Inc. Panel sheet mounting clip. 2,867,305, 1-6-59, Cl. 189-88.
- Baker, Marlin S.: See—
- Rhoades, Nolan K., and Baker. 2,916,013.
- Baker, Marlin S., to The Parker Pen Co. Fountain pen. 2,871,823, 2-3-59, Cl. 120-42.
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- Baker, Max P., to General Motors Corp. Flexible diaphragm. 2,869,585, 1-20-59, Cl. 137-793.
- Baker, Max P., to General Motors Corp. Ball joint assembly. 2,879,091, 3-24-59, Cl. 287-87.
- Baker, Max P., to General Motors Corp. Ball joint. 2,917,334, 12-15-59, Cl. 287-87.
- Baker, Max P., to General Motors Corp. Ball joint assemblies. 2,919,150, 12-29-59, Cl. 287-90.
- Baker Oil Tools, Inc.: See—
- Baker, John R. 2,896,724.
- Baker, John R., and Clark. 2,874,784.
- Baker, Reuben C. 2,871,949.
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- Baker, Reuben C. 2,894,725.
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- Baker, Reuben C. 2,906,347.
- Baker, Reuben C. 2,912,227.
- Baker, Reuben C., and Conrad. 2,874,931.
- Barg, Charles H. 2,872,160.
- Rigelow, Herbert L. 2,871,946.
- Clark, Earnest H., Jr. Re. 24,659.
- Clark, Earnest H., Jr. 2,906,344.
- Conrad, Martin B. 2,874,927.
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- Conrad, Martin B., and Baker. 2,870,841.
- Crowe, Talmadge L. 2,893,491.
- Muse, John F. 2,874,785.
- Park, Robert O. 2,888,989.
- Baker, Paul, to Julius Kayser & Co. Stocking. 2,901,901, 9-1-59, Cl. 66-178.
- Baker, Paul E., to California Research Corp. Carbon logging through casing. 2,910,591, 10-27-59, Cl. 250-71.
- Baker, Paul E., and S. B. Jones, to California Research Corp. Radioactivity well log transmission system. 2,883,548, 4-21-59, Cl. 250-71.
- Baker, Paul H., to Columbia-Southern Chemical Corp. Preparation of stabilizer. 2,904,517, 9-15-59, Cl. 252-397.
- Baker, Paul W., and W. M. Wolff, to Holeproof Hosiery Co. Display package. 2,917,163, 12-15-59, Cl. 206-46.
- Baker Perkins, Inc.: See—
- Armstrong, John D., Flynn, and Wittenberger. 2,883,033.
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- Engels, Eugene O., and Dersch. 2,900,927.
- Irving, Henry F. 2,899,065.
- Leaman, Raymond J., and Feige. 2,883,032.
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- Ricker, Fred G., and Randall. 2,917,192.
- Smith, Harold K., and Gibbons. 2,899,040.
- Valentyne, Peter H., and Sunbom. 2,902,950.
- Wittenberger, Wallace W. 2,877,888.
- Baker Perkins Ltd.: See—
- Farrer, Kenneth. 2,884,115.
- Farrer, Kenneth. 2,917,009.
- Baker, Ralph C., to The Sheffield Corp. Amplifying apparatus for gauging product characteristics. 2,889,704, 6-9-59, Cl. 73-37.9.
- Baker, Ralph D. Wallpaper cutter. 2,889,623, 6-9-59, Cl. 30-294.
- Baker, Reuben C., to Baker Oil Tools, Inc. Releasable clutch device for well tools. 2,871,949, 2-3-59, Cl. 166-237.
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- Baker, Reuben C., to Baker Oil Tools, Inc. Tubing anchor and valve apparatus. 2,878,877, 3-24-59, Cl. 166-212.
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- Baker, Reuben C., and M. B. Conrad, to Baker Oil Tools, Inc. Tubular string valve devices. 2,874,931, 2-24-59, Cl. 251-218.
- Baker, Richard D.: See—
- Maraman, William J., Baxman, and Baker. 2,885,260.
- Baker, Richard D., United States of America, Atomic Energy Commission. Production of plutonium from plutonium fluoride. 2,890,110, 6-9-59, Cl. 75-84.1.
- Baker, Robert F.: See—
- Marden, John W., Wroughton, and Baker. 2,916,535.
- Baker, Robert G., to The Dow Chemical Co. Fungicidal compositions and methods employing parachloro-alpha-iodotoluene. 2,919,223, 12-29-59, Cl. 167-30.
- Baker, Robert M., 1/2 to N. K. Morey. Log debarking apparatus. 2,912,023, 11-10-59, Cl. 144-208.
- Baker, Robert N., 1/2 to Independent Iron Works, Inc. Adjustable trailer hitch. 2,893,753, 7-7-59, Cl. 280-501.
- Baker, Robert N., to Bowen & Co., Inc. Dental drill chuck. 2,895,738, 7-21-59, Cl. 279-1.
- Baker, Samuel B.: See—
- Norton, James H., and Baker. 2,898,300.
- Baker, Stephen C. Ignition system. 2,871,413, 1-27-59, Cl. 315-224.



- Baker, Stephen D. Elliptical reflector for instrument dials. 2,900,949, 8-25-59, Cl. 116-129.
- Baker, Theodore C., to Container Corp. of America. Carton with hinged lid. 2,889,100, 6-2-59, Cl. 229-44.
- Baker, Thomas W., to Armo Steel Corp. Finishing machine and method for use in the hot dip metallic coating of steel strip, and coated strip. 2,906,018, 9-29-59, Cl. 29-528.
- Baker, Vance A., 60% to C. H. Baker. Engine throttle control system. 2,911,073, 11-3-59, Cl. 192-3.
- Baker, Weldon S. Piston ring expander ring. 2,891,831, 6-23-59, Cl. 309-40.
- Baker, Willard C., to Ford Motor Co. Motor vehicle transmission. 2,901,922, 9-1-59, Cl. 74-687.
- Bakker, Willem, to American Enka Corp. Twister. 2,918,781, 12-29-59, Cl. 57-130.
- Baker, William A.: See—
- Pollard, Harold J., and Baker. 2,895,635.
- Baker, William E., to Standard-Thomson Corp. Hot wire device. 2,896,163, 7-21-59, Cl. 324-106.
- Baker, William E., to Standard-Thomson Corp. Mechanical transducers. 2,913,904, 11-24-59, Cl. 73-368.3.
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- Bakke, Hans A., and H. D. Treitel, to General Electric Co. Meter housing. 2,893,637, 7-21-59, Cl. 220-40.
- Bakke, Jack W.: See—
- Bakke, John W. 2,872,978.
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- Bakke, Laurence D., and J. Pechenik, to Continental Motors Corp. Engine lubrication and ventilation system. 2,902,022, 9-1-59, Cl. 123-196.
- Bakke, Norman W.: See—
- Bakke, John W. 2,872,978.
- Bakke, William W., to The Dow Chemical Co. Vinylolation of oxazolidinones. 2,905,669, 9-22-59, Cl. 260-244.
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- Bakker, Eppo: See—
- Starre, Gerrit, and Bakker. 2,900,720.
- Bakker, Martinus A. M.: See—
- Duran, Johannes C., Bakker, and van Zanten. 2,873,510.
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- Balaguer, Rodolfo R., to J. D. Hedges and Co. Ltd. Partnership. Method of forming a bibulous coating on a metallic anode. 2,893,899, 7-7-59, Cl. 117-230.
- Balaguer, Rodolfo R., 82% to J. D. Hedges, and 12% to Bessemer Securities Corp. Primary battery. 2,903,499, 9-8-59, Cl. 136-107.
- Balas Collet Mfg. Co., The: See—
- Abramoska, Alfred A., and Cox. 2,871,721.
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- Balass, Valentin, to Tetra A. G. für Hydraulische Bremsen und Apparate. Force storage brake for motor vehicles. 2,887,188, 5-19-59, Cl. 138-170.
- Balassa, Leslie L.: See—
- Auer, Laszlo, and Balassa. 2,900,354.
- Balassa, Leslie L. Composition of cellulose and an alkali biuret metal complex. 2,887,398, 5-19-59, Cl. 106-203.
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- Chall, Harold J., and Balaz. 2,868,445.
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- Baldanza, Nicholas T. Ultraviolet light illuminated sign and display devices. 2,879,614, 3-31-59, Cl. 40-134.
- Baldanza, Nicholas T. Production of multi-color three-dimensional plaques. 2,889,651, 6-9-59, Cl. 41-24.
- Baldard, Reginald B. Spring-urged hinge construction for doors, covers and the like. 2,867,841, 1-13-59, Cl. 16-180.
- Baldauski, Francis A.: See—
- Arenson, Simon W., and Baldauski. 2,874,050.
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- Baldeschweiler, Emil L., to Esso Research and Engineering Co. Reducing the corrosivity of vanadium-containing oils. 2,911,292, 11-3-59, Cl. 44-68.
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- Schuster, Ludwig K., and Baldi. 2,911,332.
- Baldini, James T., and H. R. Rosenberg, to E. I. du Pont de Nemours and Co. Augmenting poultry feed. 2,879,162, 3-24-59, Cl. 99-4.
- Baldinus, Joseph G., to Colgate-Palmolive Co. Process of preparing stable fatty monoglycerides. 2,910,491, 10-27-59, Cl. 260-410.7.
- Baldoni, Andrew A., and J. J. Miyashiro, to Morton Chemical Co. Preparation of organo mercuric compounds. 2,914,451, 11-24-59, Cl. 204-158.
- Baldridge, James D. Swivel arm hook. 2,877,593, 3-17-59, Cl. 43-42.74.
- Baldridge, Joseph R., to Diamond Alkali Co. Chemical composition and method. 2,895,870, 7-21-59, Cl. 167-22.
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- Baldwin, Alan W. Composite indicator. 2,873,396, 2-10-59, Cl. 313-64.
- Baldwin, Ann. Knock-down garment form and support therefor. 2,901,154, 8-25-59, Cl. 223-68.
- Baldwin, Carroll F. Sleep preventing device. 2,910,679, 10-27-59, Cl. 340-213.
- Baldwin, Charles M. Retractable wheel structure for boats. 2,876,466, 3-10-59, Cl. 9-1.
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- Sesler, Robert W., Baldwin, and Sprouse. 2,874,733.
- Baldwin, David A.: See—
- Williams, William H., and Baldwin. 2,919,423.
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- Robison, Samuel B., and Baldwin. 2,895,850.
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- Baldwin, Francis P., and S. R. Robison, to Esso Research and Engineering Co. Process for heat treating butyl rubber with an aromatic nitroso compound and product obtained. 2,893,937, 7-21-59, Cl. 260-41.5.
- Baldwin, George C., to General Electric Co. Scintillation converter. 2,902,604, 9-1-59, Cl. 250-71.
- Baldwin, George C., E. R. Gaertner, and M. L. Yeater, to General Electric Co. Adaptation of a high energy electron accelerator as a neutron source. 2,902,613, 9-1-59, Cl. 313-61.
- Baldwin, Gordon S. Instant action boat baller. 2,909,144, 10-20-59, Cl. 114-185.
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- Baldwin, Lawrence W., to United States of America, Atomic Energy Commission. Calutron cathode interlock circuit. 2,888,563, 5-26-59, Cl. 250-41.9.
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- Baldwin, Lee E.: See—
- Brady, Paul L., and Baldwin. 2,902,296.
- Baldwin, Lee E., and M. C. Bokelman, to Conair, Inc. Flow limiter. 2,881,794, 4-14-59, Cl. 137-501.
- Baldwin, Leroy D., to General Dynamics Corp. Antennas. 2,885,676, 5-5-59, Cl. 343-767.
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- Brown, Edwin C., and Gaden. 2,899,006.
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- Sack, Joel. 2,900,090.
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- Soler, Hans G. 2,869,524.
- Willi, Richard B. 2,913,057.
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- Gregory, Marlon B. 2,899,648.
- Livezey, Frederic M. 2,888,632.
- Jones, Edward M. 2,868,593.
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- Martin, Daniel W. 2,879,683.
- Munch, Walter, Jr. 2,918,576.
- Schmidt, Vernon E. 2,907,996.
- Timperman, Ernest J. 2,916,706.
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- Ball Brothers Co., Inc.: See—
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- Horn, Peter. 2,880,030.
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- Ban, Thomas E.: See—
- McDowell, Robert C., and Ban. 2,876,489.
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Barber, Harry A., and Sauer. 2,893,601.  
Barber, Harry A., Sauer, and Heacock. 2,893,602.  
Sieg, Robert P., and Barber. 2,870,082.
- Barber-Greene Co.: See—  
Barber, Harry A., and Ross. 2,913,710.  
Sauer, James F. 2,873,955.  
Stewart, Edward C. 2,869,710.
- Barber, Harry A., and J. F. Sauer, to Barber-Greene Co. System and apparatus for measuring loose material. 2,893,600, 7-7-59, Cl. 222-1.
- Barber, Harry A., and J. F. Sauer, to Barber-Greene Co. System and apparatus for measuring bitumen and the like. 2,893,601, 7-7-59, Cl. 222-1.
- Barber, Harry A., J. F. Sauer, and R. C. Heacock, to Barber-Greene Co. Apparatus for measuring aggregate for mixture with asphalt. 2,893,602, 7-7-59, Cl. 222-77.
- Barber, Harry A., and B. M. Ross, to Barber-Greene Co. Indicator and shut-off for aggregate bins. 2,913,710, 11-17-59, Cl. 340-246.
- Barber, Michael F., and A. H. Raubitschek. Artificial bird. 2,903,819, 9-15-59, Cl. 46-156.
- Barber, William: See—  
Carver, Gordon M., Jr., and Barber. 2,893,548.
- Barbera, Robert A. Shock absorption and vibration isolator. 2,876,979, 3-10-59, Cl. 248-358.
- Barberis, Fortunato, to General Motors Corp. Injector igniter plug. 2,883,859, 5-12-59, Cl. 60-39.82.
- Barberis, Giovanni, to Rive Officine Di Villar Perosa Società per Azioni. Lever operated differential actuating mechanism. 2,869,783, 1-20-59, Cl. 235-3.
- Barbknecht, Fred W., to International Harvester Co. Cotton picker spindle mounting. 2,869,308, 1-20-59, Cl. 56-50.
- Barbour, Fenner S.: See—  
Worthen, Eugene P., and Barbour. 2,893,926.
- Barbour, John P.: See—  
Dyke, Walter P., and Barbour. 2,916,668.
- Barbour Welting Co.: See—  
Shea, Francis L. 2,916,834.  
Vizard, William C. 2,912,700.  
Vizard, William C. 2,912,701.
- Barch, William E., to Standard Brands Inc. Pyrophosphate baking powders. 2,870,017, 1-20-59, Cl. 99-95.
- Barch, William E., and W. Neumann, to Standard Brands Inc. Cheese composition. 2,871,127, 1-27-59, Cl. 99-117.

- Barchmann, Helmut, H. Freier, and H. Kruse, to Dr.-Ing. Schneider & Co. Lights intended for use in the open air. 2,916,009, 12-8-59, Cl. 240-25.
- Barclay, Earle H. Method of forming an abrasive sheet. 2,899,288, 8-11-59, Cl. 51-293.
- Barclay, Eugene S., to Merck & Co., Inc. Vented bottle closure. 2,884,152, 4-28-59, Cl. 215-56.
- Barclay, James C.: See—  
Rutland, David F., and Barclay. 2,868,454.
- Barclays Bank Ltd.: See—  
Clarke, George W., Weston, and Andrews. 2,894,055.  
Clarke, George W., Weston, and Andrews. 2,914,599.
- Barcroft, Stanley, to The Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Gyroscopic apparatus. 2,868,022, 1-13-59, Cl. 74-5.4.
- Bard, Francis N.: See—  
Oswald, Harry J. 2,907,590.
- Bard, George L., to Ortho-Sonic Instruments, Inc. Play-back sound reproducer. 2,869,877, 1-20-59, Cl. 274-23.
- Bard-Parker Co., Inc.: See—  
Ladd, John W. B. 2,890,792.  
Ladd, John W. B., and Arden. 2,890,801.
- Bardash, Manuel L., and D. P. Saret, to American Bosch Arms Corp. Punch through tester. 2,917,710, 12-15-59, Cl. 324-158.
- Bardeen, Thomas, to Gulf Research & Development Co. Sequence indicator for oscillograms. 2,867,490, 1-6-59, Cl. 346-49.
- Bardeen, Thomas, to Gulf Research & Development Co. Seismometer. 2,890,438, 6-9-59, Cl. 340-17.
- Bardeen, Thomas, to Gulf Research & Development Co. Automatic volume control systems for seismograph amplifiers. 2,905,772, 9-22-59, Cl. 179-171.
- Bardeen, Thomas, to Gulf Research & Development Co. Control for seismograph prospecting filter circuits. 2,911,600, 11-3-59, Cl. 333-70.
- Bardeen, Thomas, and I. C. Zacher, to Gulf Research & Development Co. Seismograph filter systems. 2,867,779, 1-6-59, Cl. 333-70.
- Barden Corp., The: See—  
Mims, Bruce L. 2,867,113.  
Mims, Bruce L. 2,867,114.
- Barden, Wayne A.: See—  
Hudd, Wilbert H., Christner, Barden, Kehres, and Dally. 2,871,328.
- Hartman, Clinton W., Dally, and Barden. 2,916,717.
- Barden, Wayne A., and M. B. Arisman, to Chicago Telephone Supply Corp. Electric snap switch. 2,881,280, 4-7-59, Cl. 200-77.
- Barden, Wayne A., and C. C. Snyder, to Chicago Telephone Supply Corp. High voltage variable resistor. 2,899,662, 8-11-59, Cl. 338-174.
- Barden, Wayne A., C. C. Snyder, and G. S. Thompson, to Chicago Telephone Supply Corp. Electrical control instrumentality. 2,909,749, 10-20-59, Cl. 338-163.
- Bardin, Joe P., and W. H. Dudar. Tire pressure indicators. 2,874,241, 2-17-59, Cl. 200-61.25.
- Bardini, Armando J.: See—  
Freeman, Marshall E. C., Creed, and Bardini. 2,905,216.
- Bardoneschi, Roland: See—  
Muller, Georges, and Bardoneschi. 2,907,769.  
Muller, Georges, Joly, and Bardoneschi. 2,888,472.
- Bardons & Oliver, Inc.: See—  
Maryanski, John L., and Valentino. 2,868,550.
- Bardorf, Oskar, to Aktiengesellschaft Brown, Boveri & Cie. Heavy duty switch with magnetic blasting. 2,871,320, 1-27-59, Cl. 200-146.
- Bardos, Thomas J., and D. B. Olsen, to Armour and Co. Analogs of riboflavin and their preparation. 2,867,614, 1-6-59, Cl. 260-211.3.
- Bardy, Peter J., to General Binding Corp. Combined punch and binding machine. 2,908,173, 10-13-59, Cl. 74-107.
- Bardy, Peter J., and A. Siegelman, to Armour Research Foundation of Illinois Institute of Technology. Container filling machine. 2,901,209, 8-25-59, Cl. 249-15.
- Bare, Conrad B., and R. L. Clauser, to Bethlehem Steel Co. Nickel and cobalt recovery from ammoniacal solutions. 2,879,137, 3-24-59, Cl. 23-183.
- Barckel, Chester J., to American Seating Co. Safety equipment for vehicle occupants. 2,886,259, 5-12-59, Cl. 242-107.4.
- Barckel, Chester J., to American Seating Co. Safety equipment for vehicle occupants. 2,898,976, 8-11-59, Cl. 155-189.
- Barckel, Chester J., to American Seating Co. Automatic reel. 2,899,146, 8-11-59, Cl. 242-107.4.
- Barckel, Chester J., to American Seating Co. Vehicle seat. 2,907,378, 10-6-59, Cl. 155-191.
- Barfoot, Carlton K., to Bacon American Corp. Apparatus for retreading tires. 2,903,742, 9-15-59, Cl. 18-18.
- Barel, Cornelis, to Rudolf Blik. Electrische Apparaten en Metaalwarenfabriek N. V. Rotary cleaning brush attachment for suction cleaning devices. 2,870,468, 1-27-59, Cl. 15-49.
- Baren, Louis. Laboratory rack. 2,883,063, 4-21-59, Cl. 211-78.
- Barengoltz, Bernard A., to McGraw-Edison Co. Transformer core and coil clamping means. 2,886,791, 5-12-59, Cl. 336-197.
- Barens, Leonard H., to The Garrett Corp. Contour or spiral milling device. 2,909,966, 10-27-59, Cl. 90-13.



- Barenyi, Bela. Vehicle body composed of an upper and a lower section. 2,880,032, 3-31-59, Cl. 296-28.
- Barényi, Béla, to Daimler-Benz Akt. Car body made of angularly joined body parts. 2,886,373, 5-12-59, Cl. 296-28.
- Barényi, Bela, to Daimler-Benz Aktiengesellschaft. Automobile with flap door. 2,903,296, 9-8-59, Cl. 296-44.
- Barényi, Béla. Device for lifting or loading automobiles. 2,915,334, 12-1-59, Cl. 296-28.
- Barényi, Béla, and K. Wilfert, to Daimler-Benz Akt. Windshield wipers for motor vehicles. 2,880,444, 4-7-59, Cl. 15-253.
- Barényi, Béla, and K. Wilfert, to Daimler-Benz Akt. Light system for automobiles. 2,900,491, 8-18-59, Cl. 240-7.1.
- Barfield, Robert H., and M. G. Gibbs, to Wild-Barfield Electric Furnaces Ltd. Inductors for heating tubes or cylinders. 2,868,938, 1-13-59, Cl. 219-10.49.
- Barford, Frederik, to Bendix Aviation Corp. Mixture control device. 2,910,280, 10-27-59, Cl. 261-69.
- Barfuss, Alfred, and W. Welz, to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon. Cooled burner designed for shielded arc welding and cutting of metals. 2,903,560, 8-9-59, Cl. 219-75.
- Barg, Charles H., to Baker Oil Tools, Inc. Hydraulic expandable rotary well drilling bit. 2,872,160, 2-3-59, Cl. 253-76.
- Barg, Dora A. Clamp support for carrying artist's canvases. 2,875,934, 3-3-59, Cl. 224-45.
- Barg, Herbert, to True Form Corset Co., Inc. Girdle construction. 2,867,217, 1-6-59, Cl. 128-547.
- Barg, William, to True Form Foundations, Inc. Brassiere construction. 2,882,905, 4-21-59, Cl. 128-482.
- Bargero, Camillo. Multiple chamber ball mill. 2,884,209, 4-28-59, Cl. 241-153.
- Bargholtz, Hubert F. S., K. E. E. Lindbergh, P. R. Schmechtig, and N. R. Ström, to Aktiebolaget Tudor. Method and apparatus for continuous manufacture of composite tubes. 2,912,043, 11-10-59, Cl. 154-1.8.
- Bargman, Theodore. Tail lights. 2,916,607, 12-8-59, Cl. 240-8.3.
- Bargren, Herman E.: See—
- Seeberg, George B., and Bargren. 2,868,089.
- Baril, Albert, Jr., I. H. De Barleris, R. T. Nieset, and T. Stearns, to Kalvar Corp. System of photographic reproduction. 2,911,299, 11-3-59, Cl. 96-49.
- Baring, John A., and W. J. Popowsky, to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,910,555, 10-27-59, Cl. 250-27.
- Barish, Thomas. Method of assembling rolling bearing elements. 2,885,767, 5-12-59, Cl. 29-148.4.
- Barish, Thomas C. F., Irwin, R. E. Line, and C. B. Wright, to General Motors Corp. Rotatable seal for cowlings. 2,226,112, 5-12-59, Cl. 170-160.23.
- Barium and Chemicals, Inc.: See—
- Bundy, Willard S. 2,890,102.
- Barium Steel Corp.: See—
- Sisto, Joseph A., and Milos. 2,901,234.
- Barkalow, Clare E.: See—
- Webster, Stokely, and Barkalow. 2,918,642.
- Barkas, Walter H. Ionization recording capsules. 2,874,299, 2-17-59, Cl. 250-65.
- Barkdoll, Joseph P., to Smith-Corona Marbant Inc. Type-writer case shift mechanism. 2,896,766, 7-28-59, Cl. 197-74.
- Barkdoll, Joseph P., to Smith-Corona Marbant Inc. Spacing mechanism for power operated typewriter. 2,896,767, 7-28-59, Cl. 197-82.
- Barkdoll, Joseph P., to Smith-Corona Marbant Inc. Typewriter having power operated instrumentalities. 2,901,079, 8-25-59, Cl. 197-17.
- Barkelaw Mfg. Co.: See—
- Clayton, William. Re. 24,717.
- Barkely & Dexter, Inc.: See—
- Dexter, Robert G. 2,918,828.
- Barker, Alvin. Greeting card or folder. 2,906,058, 9-29-59, Cl. 46-175.
- Barker, Clifford L., to Walker, Crosswell & Co. Ltd. Fluid flow indicator. 2,884,891, 5-5-59, Cl. 116-117.
- Barker, Dennis W., to Edwards High Vacuum Ltd. Apparatus for vaporization of metals and metalloids. 2,902,523, 9-1-59, Cl. 13-25.
- Barker, Ernest C., to United States Steel Corp. Strap-tensioning tool. 2,890,591, 6-16-59, Cl. 74-154.
- Barker, Graham, to Witco Chemical Co., Inc. Wax emulsion polishes. 2,908,578, 10-13-59, Cl. 106-8.
- Barker, John L., to Eastern Industries, Inc. Traffic actuated control system. 2,883,644, 4-21-59, Cl. 340-36.
- Barker, John L., and B. J. Midlock, to Eastern Industries Inc. Apparatus for detecting and measuring the speed of moving objects by means of radio waves. 2,878,467, 3-17-59, Cl. 343-8.
- Barker, Luther P., Jr., to B. F. McDonald Co. Face shield device. 2,881,443, 4-14-59, Cl. 2-9.
- Barker, Lyllard B., and H. B. Baker. Educational game for teaching spelling. 2,900,742, 8-25-59, Cl. 35-35.
- Barker, Melvin A., and A. J. Roofs. Automatic self-releasing adjustable torque wrench. 2,872,004, 2-3-59, Cl. 192-56.
- Barker, Norval G.: See—
- Chang, Robert W. H., and Barker. 2,915,540.
- Barker, Peter L. M.: See—
- Stevenson, Robert L., and Barker. 2,888,857.
- Barker Poultry Equipment Co.: See—
- Barker, Seth S., and Smith. 2,914,794.
- Dillman, Earnest J. 2,887,888.
- Garvin, Milton M. 2,892,254.
- Hubbard, Eber J. 2,895,210.
- Hulett, Henry R., and Heller. 2,884,996.
- Hyde, Robert W. 2,896,866.
- Kaul, Ben. 2,891,298.
- Meyer, Harry A., and Anderson. 2,884,769.
- Noakes, Thomas E. 2,889,431.
- Noakes, Thomas E. 2,901,578.
- Smith, Donald P. 2,885,850.
- Tinker, Townsend. 2,888,249.
- Tinker, Townsend. 2,888,250.
- Ullman, Myron E., Jr., and Silver. 2,891,560.
- Barker, Randolph G. Telephone plug. 2,878,459, 3-17-59, Cl. 339-183.
- Barker, Seth S., and D. P. Smith, to Barker Poultry Equipment Co. Fowl picking fingers. 2,914,794, 12-1-59, Cl. 17-11.1.
- Barker, Stacey. Flasher mechanism. 2,878,424, 3-17-59, Cl. 315-186.
- Barker, Stephen, and P. M. Helmiller, to Utility Trailer Manufacturing Co. Load indicating means. 2,867,432, 1-6-59, Cl. 263-40.
- Barker, Stuart N.: See—
- Meager, Vernon W., and Barker. 2,897,345.
- Barker, Victor A., to General Telephone Laboratories, Inc. Telephone call intercepting system. 2,876,291, 3-3-59, Cl. 179-27.
- Barker, William A., and J. L. Lutyens, to United Shoe Machinery Corp. Shoe handling apparatus. 2,885,058, 5-5-59, Cl. 198-19.
- Barker, William M., and L. Brockman, to General Railway Signal Co. Centralized traffic control system for railroads. 2,907,982, 10-6-59, Cl. 340-163.
- Barkheimer, Donald I. Adjustable television receiver stand. 2,890,010, 6-9-59, Cl. 248-157.
- Barkhoff, Raymond A., Jr., and N. Platzer, to Monsanto Chemical Co. Process of making extruded styrene polymer foams. 2,911,382, 11-3-59, Cl. 260-2.5.
- Barkley, Charles S., to E. I. du Pont de Nemours and Co. Scraper for doctor blade. 2,887,787, 5-26-59, Cl. 34-112.
- Barkley, Dwight W.: See—
- Mazur, Ferdinand J., and Barkley. 2,900,872.
- Barkley, Joseph W., to Ampex Corp. Magnetic tape apparatus. 2,915,357, 12-1-59, Cl. 346-74.
- Barkley, Lloyd B., to Monsanto Chemical Co. Synthesis of steroids. 2,889,320, 6-2-59, Cl. 260-239.55.
- Barkley, Paul: See—
- Coody, John L., Work, and Bell. 2,888,895.
- Barkow, William H., to Radio Corp. of America. Temperature compensated electromagnetic deflection yoke. 2,900,564, 8-18-59, Cl. 315-27.
- Barkow, William H., and C. C. Matthews, to Radio Corp. of America. Electromagnetic deflection yoke. 2,901,650, 8-25-59, Cl. 313-76.
- Barkow, William H., and C. C. Matthews, to Radio Corp. of America. Cathode ray tube deflection yoke. 2,901,665, 8-25-59, Cl. 315-27.
- Barksdale, Edgar W. Dental spray bottle. 2,893,608, 7-7-59, Cl. 222-193.
- Barkstrom, Elmer E., to Western Electric Co., Inc. Pivoted cutter and guard with blade yieldably mounted in protected position. 2,911,043, 11-3-59, Cl. 164-41.
- Barkstrom, Elmer E., to Western Electric Co., Inc. Apparatus for coating and for removing excess coating material from articles. 2,917,021, 12-15-59, Cl. 118-57.
- Barkstrom, Elmer E., and H. M. Larsen, to Western Electric Co., Inc. Apparatus for positioning and annealing work pieces. 2,890,875, 6-16-59, Cl. 263-6.
- Barkway, Wesley V. Can separating device. 2,895,611, 7-21-59, Cl. 209-104.
- Barlament, Norval S., and S. J. Campbell, to Hudson-Sharp Machine Co. Endless conveyor having web rewinder core shafts. 2,883,121, 4-21-59, Cl. 242-56.
- Barler Metal Products, Inc.: See—
- Miller, Marion E., and Yoder. 2,869,953.
- Barley, Herman, and R. D. Bibby, said Bibby assignor to said Barley. Extrusion apparatus. 2,885,730, 5-12-59, Cl. 18-12.
- Barlow, Ernest, to Metropolitan-Vickers Electrical Co. Ltd. Dynamo-electric machines. 2,911,552, 11-3-59, Cl. 310-258.
- Barlow, Herbert N.: See—
- Greene, Harry R., and Barlow. 2,880,853.
- Barlow, Howard. Window ventilator and light blocking screen. 2,881,691, 4-14-59, Cl. 98-99.
- Barlow, Joel H.: See—
- Bishop, Leonard J., and Barlow. 2,875,703.
- Barlow, Raymond S.: See—
- Honerkamp, Friedrich, Kurth, and Barlow. 2,884,005.
- Barlowe, Murray: See—
- Helbing, Clarence H., and Barlowe. 2,868,396.
- Barmer Maschinenfabrik Aktiengesellschaft: See—
- Grein, Hermann, and Zander. 2,915,253.
- Lenk, Walter. 2,875,572.
- Lenk, Walter. 2,882,674.
- Rehn, Karl-Heinz. 2,867,968.
- Weber, Wolfgang, and Lohest. 2,915,254.
- Barnard, Clayton H.: See—
- Shannon, Jack F., Barnard, and Schlink. 2,870,729.

- Barnard, Clayton H., H. C. Schlink, and J. K. Loeser, to Bailey Meter Co. Method of operation and control system for submarine steam propulsion unit. 2,876,727, 3-10-59, Cl. 114-16.
- Barnard, Richard P., to General Motors Corp. Cigar lighter having retractable sleeve. 2,871,335, 1-27-59, Cl. 219-32.
- Barnard, Richard P., to General Motors Corp. Power actuated closures. 2,893,727, 7-7-59, Cl. 268-74.
- Barnard, Roy M., D. S. Girling, and N. C. W. Judd, to International Standard Electric Corp. Manufacture of electrical capacitors. 2,903,780, 9-15-59, Cl. 29-25.42.
- Barnby, Herbert A., to Owens-Illinois Glass Co. Carrier for bottles and other containers. 2,899,051, 8-11-59, Cl. 206-65.
- Barnes, Alfred A.: See—
- Wilcox, Isaac L., Barnes, Patch, and Spurr. 2,901,950.
- Barnes, Carl E., W. O. Ney, Jr., and W. R. Nummy, to General Aniline & Film Corp. Polymerization procedures. 2,891,038, 6-16-59, Cl. 260-78.
- Barnes, Charles W. Device for bending metal strip. 2,907,368, 10-6-59, Cl. 153-32.
- Barnes Drill Co.: See—
- Caldwell, Harry J. 2,867,139.
- Fowler, Leslie L. 2,876,904.
- Seborg, Earnest Y. 2,870,577.
- Barnes, Earle B., J. E. Thomson, and G. A. Klumb, Jr., to The Dow Chemical Co. Polymerization of ethylene. 2,882,264, 4-14-59, Cl. 260-94.9.
- Barnes Engineering Co.: See—
- Asthelmer, Robert W., and Wormser. 2,895,049.
- Hall, Richard W. 2,901,811.
- Barnes, Eugene K. Sausage stuffing horn. 2,881,694, 4-14-59, Cl. 99-354.
- Barnes, Fred: See—
- Pasqualone, Anthony, and Barnes. 2,910,899.
- Barnes, Garrett H., Jr., to Dow Corning Corp. Beta-acetoxyethyl siloxanes. 2,872,434, 2-3-59, Cl. 260-46.5.
- Barnes, Garrett H., Jr., to Dow Corning Corp. Preparation of organodisiloxane esters. 2,898,361, 8-4-59, Cl. 260-448.2.
- Barnes, George A.: See—
- Duvivier, Charles. 2,907,671.
- Barnes, George E. Automatic water remover for carburetors. 2,878,944, 3-24-59, Cl. 210-513.
- Barnes, George H., to Burroughs Corp. Compensating circuit. 2,900,532, 8-18-59, Cl. 307-88.5.
- Barnes, George H., A. J. Meyerhoff, and M. A. Schultz, to Burroughs Corp. Electronic voltage regulator. 2,912,637, 11-10-59, Cl. 323-22.
- Barnes, Glendon M., and N. R. Droulard, to United States of America, Army. Center-guide for fin-stabilized fixed round ammunition. 2,872,864, 2-10-59, Cl. 102-38.
- Barnes, Glenn, to Master Vibrator Co. Portable heater. 2,896,933, 7-28-59, Cl. 263-19.
- Barnes, Henry A.: See—
- Adler, Charles, Jr., and Barnes. 2,879,497.
- Barnes, Homer C.: See—
- Kurzinski, Edward F., Collins, Barnes, and Dahm. 2,889,222.
- Barnes, Homer C., Jr., and G. P. Dahm, to Union Carbide Corp. Process for producing cast iron. 2,877,111, 3-10-59, Cl. 75-130.
- Barnes, Inez: See—
- Lehman, John F. 2,908,047.
- Barnes, James F., and J. H. Bent, to Foll Process Corp. Tube winding machine with tension indicator. 2,888,826, 6-2-59, Cl. 73-143.
- Barnes, James F., and E. F. Rebholz, to Foll Process Corp. Package for drink-forming powders. 2,896,839, 7-28-59, Cl. 229-62.
- Barnes, James F., and H. I. Silversher, to Foll Process Corp. Tube coating apparatus. 2,900,881, 8-25-59, Cl. 93-80.
- Barnes, James F., E. F. Rebholz, and H. I. Silversher, to Foll Process Corp. Tube-providing sheet. 2,910,094, 10-27-59, Cl. 138-87.
- Barnes, James F., and H. I. Silversher, to Foll Process Corp. Multiple passage pipe. 2,914,091, 11-24-59, Cl. 138-87.
- Barnes, James H. Tire trim member and securing means therefor. 2,915,335, 12-1-59, Cl. 301-37.
- Barnes, Jeffery W., to Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Gyroscope apparatus. 2,900,824, 8-25-59, Cl. 74-5.34.
- Barnes, Jeffery W., and R. A. Herring, to Ferranti, Ltd. Gyroscope apparatus. 2,874,576, 2-24-59, Cl. 74-5.1.
- Barnes, John A., and L. P. Worthen, to The Pillsbury Co. Tomato basic and method of producing same. 2,912,338, 11-10-59, Cl. 99-204.
- Barnes, John, Co.: See—
- Smith, Clarence J. 2,873,841.
- Barnes, John L., and M. W. Fisher. Fence structure. 2,906,506, 9-29-59, Cl. 256-19.
- Barnes, John W.: See—
- O'Maley, James B., Barnes, and Hansell. 2,905,828.
- Barnes, Kenneth H., to Wheelabrator Corp. Link and flight bar assembly in a blasting machine. 2,909,012, 10-20-59, Cl. 51-163.
- Barnes, Kenneth H., to Wheelabrator Corp. Guard for throwing wheels. 2,909,870, 10-27-59, Cl. 51-9.
- Barnes, Kenneth H., to Wheelabrator Corp. Centrifugal blasting machine. 2,918,758, 12-29-59, Cl. 51-13.
- Barnes, Leslie W., to Forster Mfg. Co. Machine for making spring clip clothespins. 2,873,767, 2-17-59, Cl. 140-1.
- Barnes Mfg. Co.: See—
- Jordan, Richard H. 2,870,790.
- Jordan, Richard H., and Andrews. 2,877,797.
- Barnes, Marion D., and J. P. Lea, to Monsanto Chemical Co. Caking bomb assembly. 2,887,945, 5-26-59, Cl. 100-99.
- Barnes, Marion D., and J. P. Lea, to Monsanto Chemical Co. Caking bomb assembly. 2,887,946, 5-26-59, Cl. 100-99.
- Barnes, Milton M. Paper registering device. 2,888,261, 5-26-59, Cl. 271-49.
- Barnes, Oliver G.: See—
- Starr, Charles S., and Barnes. 2,901,020.
- Barnes, Ralph G., to Master Vibrator Co. Rotary trowelling machine. 2,869,441, 1-20-59, Cl. 94-45.
- Barnes, Ralph G., to Master Vibrator Co. Blade assembly. 2,878,730, 3-24-59, Cl. 94-45.
- Barnes, Ralph G. Muffler. 2,912,063, 11-10-59, Cl. 181-66.
- Barnes, Richard R., to American Telephone and Telegraph Co. Antenna. 2,909,775, 10-20-59, Cl. 343-702.
- Barnes, Robert E., to P. R. Mallory & Co., Inc. Low loss vibrator. 2,916,581, 12-8-59, Cl. 200-90.
- Barnes, Roland D. Heating element. 2,873,350, 2-10-59, Cl. 219-39.
- Barnes, Sidney W., to United States of America, Atomic Energy Commission. Calutron receiver. 2,891,162, 6-16-59, Cl. 250-41.9.
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- Carlson, Elliott C. B. 2,906,072.
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- Werge, Thomas C., and Laxo. 2,875,564.
- Barnes, William A.: See—
- Kozmus, Walter J., and Barnes. 2,909,951.
- Zeldner, Reinhold C., and Barnes. 2,914,158.
- Barnes, William A., to Kelsey-Hayes Co. Electrical assemblies and apparatus for producing same. 2,888,614, 5-26-59, Cl. 317-101.
- Barnes, William A., to Kelsey-Hayes Co. Cold weld butt tool. 2,889,622, 6-9-59, Cl. 30-233.
- Barnes, William A., to Kelsey-Hayes Co. Wire wrapping tool. 2,914,261, 11-24-59, Cl. 242-7.
- Barnes, William A., and S. Zysk, to Kelsey-Hayes Co. Tools for cold pressure welding. 2,886,992, 5-19-59, Cl. 78-82.
- Barnes, William A., and S. A. Zysk, to Kelsey-Hayes Co., Utica Drop Forge and Tool Division. Machine and die control apparatus for applying cold welding pressures. 2,909,086, 10-20-59, Cl. 78-82.
- Barnes, William D., Jr.: See—
- Rolle, Clifford J., Roteman, and Barnes. 2,872,422.
- Barnes, William E., to Sun Oil Co. Well sampling device. 2,870,844, 1-27-59, Cl. 166-165.
- Barnes, William E., to Sun Oil Co. Dump bailer. 2,896,722, 7-28-59, Cl. 166-162.
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- Barnett, Bartow B., and N. King, to Bonnie B. Barnett. Releasable ski binding. 2,868,555, 1-13-59, Cl. 280-11.35.
- Barnett, Bonnie B.: See—
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- Barnett, Charles E., to The New Jersey Zinc Co. Production of titanium. 2,908,619, 10-13-59, Cl. 204-64.
- Barnett, Guy F., to Philco Corp. Precision dual-beam cathode-ray tube. 2,891,183, 6-16-59, Cl. 313-69.
- Barnett, Guy F., to Philco Corp. Electron discharge devices. 2,919,380, 12-29-59, Cl. 315-30.
- Barnett, Harry. Metering valve. 2,895,500, 7-21-59, Cl. 137-468.
- Barnett, Herbert R.: See—
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- Barnett, Hugh W., to Canada Packers, Ltd. Method of curing pork products. 2,903,366, 9-8-59, Cl. 99-159.
- Barnett, Hugh W., and C. H. Perrin, to Canada Packers Ltd. Prevention of fading of color of cured meat products. 2,905,561, 9-22-59, Cl. 99-174.
- Barnett, Irvin, to Johns-Manville Corp. Method and apparatus for opening and cleaning fibers. 2,897,548, 8-4-59, Cl. 19-72.
- Barnett, Irvin, to Johns-Manville Corp. Thermal modification of acrylonitrile yarns. 2,913,802, 11-24-59, Cl. 28-76.
- Barnett, John S., to Photographic Analysis, Inc. Pulse operated camera. 2,909,096, 10-20-59, Cl. 88-18.4.
- Barnett, Wilford J., to Aerovox Corp. Right angle socket for electronic devices. 2,904,773, 9-15-59, Cl. 339-193.
- Barnette, Ernest M., Jr. Folding fisherman's seat. 2,877,828, 3-17-59, Cl. 155-135.



- Barney, Arthur L., to E. I. du Pont de Nemours and Co. Polymerizable compositions. 2,893,868, 7-7-59, Cl. 96—115.
- Barney, Arthur L., and H. B. Stevenson, to E. I. du Pont de Nemours and Co. Method of preparing 2,3-dicarboxy-1,3-butadiene. 2,870,196, 1-20-59, Cl. 260—485.
- Barney, Kay H., and L. Greenspan, to Sperry Rand Corp. Extended gate generating circuit. 2,903,665, 9-8-59, Cl. 307—88.8.
- Barnhart, Adam B., to Metric Hosiery Co., Inc. Package for hosiery and other articles. 2,915,174, 12-1-59, Cl. 206—7.
- Barnhart, George E. Pump. 2,877,710, 3-17-59, Cl. 103—2.
- Barnhart, George E. Flexible sealing ring arrangement. 2,878,083, 3-17-59, Cl. 309—33.
- Barnhart, George E. Method of cold working a tubular structure. 2,883,744, 4-28-59, Cl. 29—544.
- Barnhart, George E. Composite cylinder. 2,903,308, 8-9-59, Cl. 309—2.
- Barnhart, Robert E., and W. E. Catlin, to E. I. du Pont de Nemours and Co. P-carboxymethoxy-N-nitroso-N-methylbenzamide. 2,876,251, 3-3-59, Cl. 260—171.
- Barnhart, Robert E., and W. E. Catlin, to E. I. du Pont de Nemours and Co. Trans-N,N'-dinitroso N,N'-dimethyl hexahydroterephthalamide. 2,879,292, 3-24-59, Cl. 260—557.
- Barnhart, Vern A. Apparatus for producing hollow structural clay building units. 2,875,497, 3-3-59, Cl. 25—17.
- Barnhart, William S.: See—
- Wade, Robert H., and Barnhart. 2,886,607.
- Wade, Robert H., and Barnhart. 2,909,570.
- Barnhart, William S., to Minnesota Mining and Mfg. Co. Telomerization with fluorobromoalkanes. 2,875,253, 2-24-59, Cl. 260—553.
- Barnhart, William S., to Minnesota Mining and Mfg. Co. Halogenated cotelomers. 2,898,382, 8-4-59, Cl. 260—653.
- Barnhart, William S., to Minnesota Mining and Mfg. Co. Chromium coordination complexes. 2,909,545, 10-20-59, Cl. 260—438.
- Barnhart, William S., to Minnesota Mining and Mfg. Co. Plasticized perfluorochloroethylene polymer and process for preparing porous articles therefrom. 2,915,483, 12-1-59, Cl. 260—2.5.
- Barnhart, William S., and R. H. Wade, to Minnesota Mining and Mfg. Co. Polytrifluorochloroethylene stabilized with tetraphenyl tin. 2,874,143, 2-17-59, Cl. 260—45.75.
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- Barnhart, William S., and R. H. Wade, to Minnesota Mining and Mfg. Co. Compositions comprising perfluorochloroolefin homopolymers and tetraester plasticizers. 2,884,399, 4-28-59, Cl. 260—30.4.
- Barnhart, William S., and R. H. Wade, to Minnesota Mining and Mfg. Co. Telomer acid process. 2,904,567, 9-15-59, Cl. 260—408.
- Barnhart, William S., C. K. Travis, and C. R. Leder, to Minnesota Mining and Mfg. Co. Mixture of trifluorochloroethylene reaction products useful as potting and sealing compositions. 2,909,503, 10-20-59, Cl. 260—45.5.
- Barnhart, William S., and J. L. Zollinger, to Minnesota Mining and Mfg. Co. Composition comprising fluorine containing polyolefin plasticized with fluorine containing ketone. 2,914,500, 11-24-59, Cl. 260—32.8.
- Barnhart, William S., and R. H. Wade, to Minnesota Mining and Mfg. Co. Method for producing polyfluorochlorinated carboxylic acids. 2,915,552, 12-1-59, Cl. 260—539.
- Barnitz, Edward S., and M. E. Johnson, to Electrodynamics Corp. Self-lubricating bearings and method of making the same. 2,877,134, 3-10-59, Cl. 117—61.
- Barnothy, Jeno M., to Nuclear-Chicago Corp. Nuclear radiation counters. 2,917,634, 12-15-59, Cl. 250—106.
- Barns, Fred K.: See—
- Watson, Arthur E., and Barns. 2,902,082.
- Weston, Roger D., and Barns. 2,897,543.
- Barns, Robert L., R. T. Dosher, Jr., M. L. Humphries, J. K. Jeanes, L. L. Lyon, Jr., E. G. Perry, R. J. Speer, and C. E. Earhart, to Texas Instruments Inc. Magnetic fluid for magnetic fluid clutch. 2,900,343, 8-18-59, Cl. 252—62.5.
- Barnstead Still and Sterilizer Co.: See—
- Smith, Verity C. 2,876,791.
- Barnum, Emmett R.: See—
- Lorenson, Lyman E., Barnum, and Zachar. 2,880,282.
- Barnum, Robert E.: See—
- Seemink, George E., Vanderbilt, Michaels, and Barnum. 2,874,033.
- Barnum, Robert E., to Esso Research and Engineering Co. Aviation gasoline. 2,884,315, 4-28-59, Cl. 44—56.
- Barnwell, Irving F. Means for controlling air flow from a wall duct. 2,910,927, 11-3-59, Cl. 98—118.
- Baron, John E. Load supporting member. 2,887,203, 5-19-59, Cl. 193—37.
- Baron, Jules H.: See—
- Jensen, Raymond W., Baron, and McNutt. 2,918,042.
- Baroni, Giorgio. Roof construction. 2,912,940, 11-17-59, Cl. 108—1.
- Barothy, Charles F., to Western Electric Co., Inc. Card holder for telephone set. 2,882,624, 4-21-59, Cl. 40—10.5.
- Barr, Charles L., to F. B. Redington Co. Packaging machine. 2,909,874, 10-27-59, Cl. 53—75.
- Barr, Charles R.: See—
- Salminen, Ilmari F., Barr, and Loria. 2,895,826.
- Barr, Courtland H., Jr.: See—
- Barr, Courtland H., Sr., Courtland H. Barr, Jr., and J. W. Barr. 2,876,775.
- Barr, Courtland H., Sr., Courtland H. Barr, Jr., and J. W. Barr. Blood sample collection apparatus. 2,876,775, 3-10-59, Cl. 128—272.
- Barr, Erwin R., R. S. Dowd, and J. W. Thompson, to Aircraft Armaments, Inc. Projectile carrying vehicle. 2,870,711, 1-27-59, Cl. 102—50.
- Barr, Frank T., H. E. W. Burnside, J. W. Brown, C. E. Jahnig, and H. Z. Martin, to Esso Research and Engineering Co. Process for cracking oil. 2,889,267, 6-2-59, Cl. 208—127.
- Barr, George A., to Sunbeam Lighting Co. Lighting fixture ceiling mounting clamp. 2,890,011, 6-9-59, Cl. 248—228.
- Barr, Harold N., to Vitro Corp. of America. Densification of coating by use of isostatic hydraulic pressure. 2,878,140, 3-17-59, Cl. 117—65.
- Barr, Irwin R., to Aircraft Armaments, Inc. Amphibious walking vehicle. 2,918,738, 12-29-59, Cl. 37—80.
- Barr, Irwin R., to Aircraft Armaments, Inc. Machine gun. 2,918,847, 12-29-59, Cl. 89—125.
- Barr, Irwin R., and D. D. Terwilliger, to Aircraft Armaments, Inc. Counter recoil governor for a recoil type gun. 2,877,690, 3-17-59, Cl. 89—43.
- Barr, James R.: See—
- McCarty, Orin P., and Barr. 2,878,333.
- Barr, James W., to Taylor Biscuit Co. Coin operated vending machine. 2,909,261, 10-20-59, Cl. 194—85.
- Barr, John C., to Power Jets (Research & Development) Ltd. Power producing equipment incorporating gas turbine plant. 2,898,731, 8-11-59, Cl. 60—13.
- Barr, John D., to The Sperry Gyroscope Co. Ltd. Servo-systems. 2,911,833, 11-10-59, Cl. 74—5.47.
- Barr, John M., to General Motors Corp. Fuel induction system. 2,877,004, 3-10-59, Cl. 261—64.
- Barr, John T.: See—
- McMinn, William A., Jr., and Barr. 2,878,239.
- Barr, John T., and F. E. Lawlor, to Pennsalt Chemicals Corp. Fluoroalkyl sulfur compounds. 2,894,991, 7-14-59, Cl. 260—608.
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- Owen, William L. 2,868,725.
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- Barr, Courtland H., Sr., Courtland H. Barr, Jr., and J. W. Barr. 2,876,775.
- Barr, Josiah M., to Wen-Mac Corp. Toy engine starter employing elastic element. 2,876,866, 3-10-59, Cl. 185—41.
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- Emmert, George W., and Barr. 2,910,218.
- Barr, Martin, and A. L. Monaco, to American Home Products Corp. Therapeutic compositions containing heat-treated attapulgite. 2,918,405, 12-22-59, Cl. 167—65.
- Barr Rubber Products Co., The: See—
- Chupa, John C. 2,885,733.
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- Herrmann, Karl L., Barr, and Henwood. 2,884,288.
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- Barradas, George, to Consolidated Molded Products Corp. Educational and training device for children. 2,893,591, 7-7-59, Cl. 220—69.
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- Smith, Ernest F., Barragato, Oakwood, and Sage. 2,906,122.
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- Cook, David E., and Barrasso. 2,901,417.
- Barratt, Harold, T. N. Forrester, and G. H. Willson, to Courtlauda Ltd. Sheet feeding apparatus. 2,896,946, 7-28-59, Cl. 271—6.
- Barravechia, Domenick P. Combined cap valve and dispensing spout for liquid containers. 2,883,091, 4-21-59, Cl. 222—517.
- Barre, Henry J., M. E. Rader, and W. G. Goodyear, to Steel Co. of Ohio, Inc. Floor structure for a grain storage bin. 2,901,960, 9-1-59, Cl. 98—55.
- Barreca, Henry J. Shoe sole straightener and carrying device. 2,883,688, 4-28-59, Cl. 12—120.5.
- Barren, James L., 1/2 to Emporium Trust Co. and 1/2 to H. E. Allen, trustees. Lignin sulfonate-phenol-formaldehyde tanning extract process of making same. 2,891,020, 6-16-59, Cl. 260—17.5.
- Barret, William M., to Engineering Research Corp. Method and apparatus for ground-wave transmission and reception of radio waves. 2,901,687, 8-25-59, Cl. 324—1.
- Barret, William M., to Engineering Research Corp. Method of exploring the earth with electromagnetic energy. 2,901,688, 8-25-59, Cl. 324—6.
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- Barrett, David M., to Picker X-Ray Corp., Walte Mfg. Div., Inc. Diaphragm apparatus for X-ray tubes. 2,894,144, 7-7-59, Cl. 250—106.

- Barrett, Edward J., Jr., and D. Flitter, to E. I. du Pont de Nemours and Co. Alkyd resin composition and metals coated therewith. 2,873,210, 2-10-59, Cl. 117—75.
- Barrett, Edward L. Method and apparatus for making positive battery plates. 2,886,620, 5-12-59, Cl. 136—34.
- Barrett, Edward L., to J. P. Henebry and E. L. Barrett. Reel assembly. 2,904,272, 9-15-59, Cl. 242—54.
- Barrett, Elliott P., and R. S. Bowman. Refining starch hydrolysates. 2,914,431, 11-24-59, Cl. 127—40.
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- Barrett, Frank R. Dispensers for sanitary spoons and the like. 2,871,079, 1-27-59, Cl. 312—42.
- Barrett, Fred O., and J. Kamlet, to Emery Industries, Inc. Manufacture of cyanates. 2,889,198, 6-2-59, Cl. 23—75.
- Barrett, Gaylord P., deceased; M. J. Barrett, administratrix. Well pumping apparatus. 2,870,715, 1-27-59, Cl. 103—6.
- Barrett, Gerald R., to Monsanto Chemical Co. Continuous polymerization processes and resulting products. 2,904,541, 9-15-59, Cl. 260—80.
- Barrett, Harry H. Windshield cleaner systems and valves therefor. 2,887,736, 5-26-59, Cl. 20—40.5.
- Barrett, Harry B. Methods and means for grinding automotive brake shoes. 2,893,180, 7-7-59, Cl. 51—281.
- Barrett, Harry B. Tire tread surfacing machine. 2,897,882, 8-4-59, Cl. 157—13.
- Barrett, Hillard E., and W. F. Payne, to Curtiss-Wright Corp. Jet engine burner apparatus having means for spreading the pilot flame. 2,872,785, 2-10-59, Cl. 60—39.72.
- Barrett, Horace M. Anchoring device for a T-square. 2,908,079, 10-13-59, Cl. 33—76.
- Barrett, Jack P., and L. W. Jones, to Pan American Petroleum Corp. Vapor space corrosion inhibitor. 2,889,276, 6-2-59, Cl. 252—8.55.
- Barrett, James L., to Joy Mfg. Co. Apparatus for rotary drilling. 2,868,511, 1-13-59, Cl. 255—302.
- Barrett, John R., to Parisian Novelty Co. Means for holding plate. 2,904,912, 9-22-59, Cl. 40—2.2.
- Barrett, John J., and R. K. Parducci, to Westinghouse Electric Corp. Missing element detection in a stem making machine. 2,882,523, 4-14-59, Cl. 340—259.
- Barrett, John S., to Vickers Inc. Power transmission. 2,885,045, 5-5-59, Cl. 192—21.5.
- Barrett, La Vern H., to Manett Enterprises, Inc. Feeder for packaging machines. 2,890,784, 6-16-59, Cl. 198—30.
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- Barrett, Gaylord P. 2,870,715.
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- Barrett, Robert D., to International Harvester Co. Swingable and resiliently mounted tractor seat. 2,868,273, 1-13-59, Cl. 155—51.
- Barrett, Robert F., to Fred W. Kerns. Apparatus for retracting mudguards. 2,872,211, 2-3-59, Cl. 280—154.5.
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- Barrett, Wesley H., to Dowty Mining Equipment Ltd. Mine roof support devices. 2,910,282, 10-27-59, Cl. 262—1.
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- Barrington, Charles E., to The Goodyear Tire & Rubber Co. Relay valve. 2,909,194, 10-20-59, Cl. 137—622.
- Barrington, James A., to W. D. Keith. Single use, disposable douche apparatus. 2,887,109, 5-19-59, Cl. 128—227.
- Barroero, Louis F. Air circulation means for upright refrigerated cabinets. 2,907,186, 10-6-59, Cl. 62—408.
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- Barron, Curtis L. Flushing bell. 2,878,823, 3-24-59, Cl. 134—167.
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- Barron, Curtis L. Apparatus for forming a liquid conveyor duct. 2,917,804, 12-22-59, Cl. 25—131.5.
- Barron, Edward R., to United States of America. Army. Adjustable angle traction tester. 2,913,896, 11-24-59, Cl. 73—9.
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- Crede, Charles E., and Furbeck. 2,900,162.
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- Barry, George H., to Collins Radio Co. Magnetic integrator. 2,875,952, 3-3-59, Cl. 235—183.
- Barry, George H., to Collins Radio Co. Detector sampling means. 2,905,837, 9-22-59, Cl. 307—88.5.
- Barry, George H., to Collins Radio Co. Phase-pulse receiver synchronization means. 2,914,674, 11-24-59, Cl. 250—27.
- Barry, George H., to Collins Radio Co. Phase-pulse generator. 2,915,633, 12-1-59, Cl. 250—27.
- Barry, John K., and M. R. Tuozzo, to South Chester Corp. Hollow rivet having two internal shoulders. 2,877,682, 3-17-59, Cl. 85—40.
- Barry, Lee, Laboratories, Inc.: See—
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- Barry, Leonard D. Dual head magnetic recorder. 2,885,489, 5-5-59, Cl. 179—100.2.
- Barry, Leonard D. Tapered magnetic head. 2,902,544, 9-1-59, Cl. 179—100.2.
- Barry, Vincent C., J. G. Belton, M. L. Conalty, and D. Twomey, to Geigy Chemical Corp. 2-amino-3-(p-chlorophenyl)imino-3,5-dihydro-5-(p-chlorophenyl)-phenazine and salts thereof. 2,875,204, 2-24-59, Cl. 260—267.
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- Lyons, Donald G. 2,885,097.
- Barsalou, Robert L. Aircraft panel fastener. 2,882,580, 4-21-59, Cl. 24—221.
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- Young, Harland H., Ohlson, and Barshefsky. 2,899,352.
- Barshefsky, Gustave, to The Celotex Corp. Sound absorbing unit and bundle thereof. 2,897,908, 8-4-59, Cl. 181—33.
- Barski, Julius J.: See—
- Lathrop, Harry D., and Barski. 2,875,624.
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- Barsky, Arthur J. Endotracheal tube adapter. 2,912,982, 11-17-59, Cl. 128—351.
- Barsky, George, to E. F. Drew & Co., Inc. Method of making a synthetic detergent in cake form. 2,886,585, 5-12-59, Cl. 260—458.
- Barsky, George, and V. K. Babayan, to E. F. Drew & Co. Inc. Edible unsubstituted mono alkyl glucoside-fatty acid ester compositions. 2,886,438, 5-12-59, Cl. 99—92.
- Barsky, George, and H. C. Bierman. Method of making plastisol gaskets. 2,888,366, 5-26-59, Cl. 117—93.
- Barsky, George, V. K. Babayan, and R. J. Bahoshy, to E. F. Drew & Co. Inc. Method of making hard butter. 2,898,211, 8-4-59, Cl. 99—118.
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- Barstrom, Knut A., and A. A. Klebba, to Gray Research and Development Co., Inc. Reproducing apparatus. 2,887,353, 5-19-59, Cl. 346—74.
- Bar, Roger, to International Minerals & Chemical Corp. Method for manufacture of phosphatic material. 2,890,934, 6-16-59, Cl. 23—109.
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- Simmons, Aldred J., and Barta. 2,890,899.
- Barta, Frank E.: See—
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- Bartelink, Everhard H. B., to General Precision Laboratory Inc. Television transmission quality testing system. 2,885,470, 5-5-59, Cl. 178—6.8.
- Bartell, Floyd E. Water-impermeable, gas-permeable coating composition, method of preparation and articles coated therewith. 2,893,962, 7-7-59, Cl. 260—2.5.
- Bartels, Alfred, and P. Jobmann, to Nordischer Maschinenbau Rud. Bander. Apparatus for feeding fish-dressing machines. 2,871,507, 2-3-59, Cl. 17—2.
- Bartels, Bernhard E.: See—
- Rocard, Yves A., and Bartels. 2,884,345.
- Bartels, Bernhard E., to Hupp Corp. Method of producing photocells. 2,892,250, 6-30-59, Cl. 29—155.63.
- Bartels, Charles R., W. L. Bryan, and B. Berk, to Olin Mathieson Chemical Corp. Process for the purification of streptomycin. 2,868,779, 1-13-59, Cl. 260—210.
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- Bartelt Engineering Co.: See—
- Harker, Charles B. 2,885,846.
- Bartenfeld, Wilford G. Unloading unit for cargo vessel. 2,893,574, 7-7-59, Cl. 214—15.
- Bartenstein, Reinhold. Partial conductors having a condenser interposed therebetween for reducing high tension disturbances. 2,903,654, 9-8-59, Cl. 333—12.
- Barter, Le Roy D.: See—
- Crampton, Gale W., Barter, and Schuler. 2,918,657.
- Barth, Harry J., to International Latex Corp. Compositions containing natural rubber and a carboxyl-containing diene polymer, a film thereof, and method of making same. 2,880,186, 3-31-59, Cl. 260—5.



- Barth, John L., to Stewart-Warner Corp. Lubrication device and method of making same. 2,913,820, 11-24-59, Cl. 29-521.
- Barth, Kurt: See—  
Appleton, Bernard S., and Barth. 2,891,500.  
Greer, Edward M., Jenkins, and Barth. 2,910,031.
- Barth, Robert H.: See—  
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Barth, Theodore H., to United States of America, Navy. Aiming angle sight. 2,871,565, 2-3-59, Cl. 33-46.5.
- Barth, Walter: See—  
Von Kienlin, Markus, Selfert, and Barth. 2,879,754.
- Barthel, Charles E.: Sounding attachment. 2,914,886, 12-1-59, Cl. 46-175.
- Barthel, Charles E.: Sound-producing mechanism for a child's amusement device. 2,915,312, 12-1-59, Cl. 272-53.2.
- Barthel, Donald R.: See—  
Reis, Herbert J., and Barthel. 2,919,418.
- Barthel, William F., B. H. Alexander, J. B. Gahan, and P. G. Piquett. 6-bromopiperonyl and 6-chloropiperonyl esters of chrysanthemic acid as insecticides. 2,886,485, 5-12-59, Cl. 167-33.
- Barthel, Wolfgang: See—  
Lang, Kurt, Barthel, Ladewig, Hans, Reichelt, Klaus, and Schädlich. 2,916,771.
- Barthelemy, Pierre, L. Penasse, and G. Nomine, to U. C. L. A. F. Recovery of vitamin B<sub>12</sub> from diluted solutions. 2,879,203, 3-24-59, Cl. 167-81.
- Barthelemy, Pierre, L. Penasse, and G. Nomine, to U. C. L. A. F. Vitamin B<sub>12</sub> recovery process. 2,879,204, 3-24-59, Cl. 167-81.
- Bartholoma, Helwig and W., to Rodl & Wienberger Aktiengesellschaft. Elastic link straps. 2,918,785, 12-29-59, Cl. 59-79.
- Bartholoma, Werner: See—  
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- Bartholome, Ernst: See—  
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- Bartholome, Ernst, O. Frey, E. Lehrer, and L. Lorenz, to Badische Anilin- & Soda-Fabrik Akt. Separation of acetylene from gas mixtures. 2,870,867, 1-27-59, Cl. 183-115.
- Bartholomew, George A.: See—  
Frederick, Edward R., and Bartholomew. 2,896,263.
- Bartholomew, Harvey L. Cleat. 2,873,499, 2-17-59, Cl. 24-130.
- Bartholomew, Harvey L. Rod and fixture connector. 2,873,988, 2-17-59, Cl. 287-126.
- Bartholomew, Harvey L. Awning. 2,888,984, 6-2-59, Cl. 160-58.
- Bartholomew, Richard E.: See—  
Cooper, James M., and Bartholomew. 2,890,844.
- Bartholow, Dave M., and H. Bormoln. Screenshot expansion joint. 2,885,939, 5-12-59, Cl. 94-18.
- Barthuff, Otto, and E. Pfaffenberger, to Eugen Bauer, G.m.b.H. Adjusting device for light measuring and controlling apparatus and the like. 2,902,968, 9-8-59, Cl. 116-114.
- Barthule, George, to Liftex Slings, Inc. Fabric sling. 2,903,291, 9-8-59, Cl. 294-74.
- Bartik, Ivan: See—  
Topol, George J., Baranowski, and Bartik. 2,870,859.
- Bartkewitz, Paul. Means for cleaning and dressing footwear and the like. 2,896,236, 7-28-59, Cl. 15-134.
- Bartl, Herbert, to Farbenfabriken Bayer Akt. Process for isomerization of non-vulcanized rubber in absence of water and oxygen. 2,885,457, 5-5-59, Cl. 260-769.
- Bartl, Herbert to Farbenfabriken Bayer Akt. Compositions of matter comprising an aliphatic hydrocarbon solvent having dissolved therein copolymers to esters of polymerizable organic acids. 2,886,549, 5-12-59, Cl. 260-33.6.
- Bartl, Herbert, to Farbenfabriken Bayer Aktiengesellschaft. Process for preparing aqueous emulsions. 2,912,399, 11-10-59, Cl. 260-27.
- Bartl, Herbert, H. Holtschmidt, and O. Bayer, to Farbenfabriken Bayer Akt. Crosslinked polymers of ethylenically unsaturated blocked isocyanates. 2,882,260, 4-14-59, Cl. 260-77.5.
- Bartl, Herbert, and W. Becker, to Farbenfabriken Bayer Akt. Process for the isomerization of non-vulcanized rubber. 2,892,004, 6-23-59, Cl. 260-770.
- Bartl, Herbert, and H. Gensel, to Farbenfabriken Bayer Aktiengesellschaft. Textile sizing copolymer compositions and process for applying the same. 2,917,478, 12-15-59, Cl. 260-33.6.
- Bartl, Hugo: See—  
Nüsslein, Joseph, Kuch, and Bartl. 2,901,311.
- Bartlett, Dana W. Adjustable artificial lures. 2,873,549, 2-17-59, Cl. 43-42.22.
- Bartlett, David E. and M. H. Sanitary device. 2,878,486, 3-24-59, Cl. 4-110.
- Bartlett, Eugene A.: See—  
Rikard, Mack A., Bartlett, and Coleman. 2,894,820.
- Bartlett, Francis J. W., to F. J. W. Bartlett and W. M. Prager, trustees. Method of applying patterns to vinyl floor coverings. 2,867,263, 1-6-59, Cl. 154-26.
- Bartlett, Frederick A., to Dorman Sprayer Co. Ltd. Spraying nozzles. 2,904,266, 9-15-59, Cl. 239-553.
- Bartlett, George H. Pocket-type lure container. 2,899,770, 8-18-59, Cl. 43-57.5.
- Bartlett, George L. Animal egress and ingress doors. 2,886,861, 5-19-59, Cl. 20-16.
- Bartlett, Harold W., to California Packing Corp. Spot scanner for comestibles. 2,881,919, 4-14-59, Cl. 209-111.
- Bartlett, Jack. Stump removing machine. 2,887,134, 5-19-59, Cl. 144-2.
- Bartlett, James L., Jr., H. T. Hertzog, and R. M. Pickard, to The Garrett Corp. Controls for an air conditioning system. 2,871,671, 2-3-59, Cl. 62-172.
- Bartlett, Jeffrey H.: See—  
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Brugmann, William H., Jr., Rudel, and Bartlett. 2,903,348.
- Bartlett, Jeffrey H., and A. J. Morway, to Esso Research and Engineering Co. Lubricating greases containing alkyl-beta-amino propionates. 2,882,230, 4-14-59, Cl. 252-33.6.
- Bartlett, Jeffrey H., W. H. Brugmann, Jr., and A. J. Morway, to Esso Research and Engineering Co. Herbicidal grease composition. 2,867,519, 1-6-59, Cl. 71-2.6.
- Bartlett, Jeffrey H., R. S. Brodkey, and L. W. Bowman, to Esso Research and Engineering Co. Dicarboxylic acids from dicyclopentadienes. 2,875,244, 2-24-59, Cl. 260-514.
- Bartlett, Jeffrey H., and W. C. Hollyday, Jr., to Esso Research and Engineering Co. Multifunctional lubricant additives. 2,876,213, 3-3-59, Cl. 260-78.5.
- Bartlett, Jeffrey H., and V. L. Hughes, to Esso Research and Engineering Co. Preparation of bifunctional cycloalkanes. 2,894,038, 7-7-59, Cl. 260-598.
- Bartlett, Joseph W., and E. D. Soltes, to Delhi-Taylor Oil Corp. Sulfur extraction process. 2,890,941, 6-16-59, Cl. 23-310.
- Bartlett, Marjorie: See—  
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- Bartlett, Marjorie H.: See—  
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- Bartlett, Norman, 1/2 to M. Bartlett. Amusement ride. 2,873,972, 2-17-59, Cl. 273-101.2.
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- Bartlett, Philip D., to Polaroid Corp. Photographic apparatus. 2,880,657, 4-7-59, Cl. 95-12.
- Bartlett, Philip D., D. R. Bishop, S. B. Whittier, and A. L. H. Wright, to Polaroid Corp. Photographic apparatus. 2,873,657, 2-17-59, Cl. 95-13.
- Bartlett, Raymond M., to American Can Co. Method of applying a wax composition to the convex countersink portion of a can end. 2,906,640, 9-29-59, Cl. 117-43.
- Bartlett, Richard J., to Smith, Kline & French Laboratories. Apparatus for assembling containers. 2,878,631, 3-24-59, Cl. 53-243.
- Bartlett, Richard J., C. C. Hall, and J. A. Martell, to Smith, Kline & French Laboratories. Box closing machine. 2,910,815, 11-3-59, Cl. 53-374.
- Bartlett, William R.: See—  
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- Bartley, Calvin L., to Poor & Co. Insulated end posts. 2,885,153, 5-5-59, Cl. 238-153.
- Bartley, Ted O., to Turner Aviation Corp. Multi crystal tuned radio transceiver. 2,889,452, 6-2-59, Cl. 250-13.
- Bartlo, John S., to Lynch Corp. Product settling means for draw type wrapping machine. 2,915,866, 12-8-59, Cl. 53-124.
- Bartochna, Bodo: See—  
Kautsky, Hans W., and Bartochna. 2,886,583.
- Bartolat, Joseph J. Dispenser for liquid additives to water hoses. 2,893,417, 7-7-59, Cl. 137-205.5.
- Bartolucci, Edgar O. Shoe heel. 2,888,755, 6-2-59, Cl. 36-34.
- Barton, Benjamin B., to American Fire Apparatus Co. Governor control mechanism for pumps. 2,896,541, 7-28-59, Cl. 103-19.
- Barton, Clarence D., and M. A. Case, to Gustin-Bacon Mfg. Co. Journal box lubricator pad. 2,869,944, 1-20-59, Cl. 308-243.
- Barton, Donn C. Packaging device for merchandising food concentrates. 2,876,113, 3-3-59, Cl. 99-171.
- Barton, Earl G.: See—  
Nix, Joe H. 2,875,714.
- Barton, Frank, to Armstrong Siddeley Motors Ltd. Machine for shaping axial-flow blades. 2,916,973, 12-15-59, Cl. 90-55.
- Barton, George C., to United Shoe Machinery Corp. Shoe sewing machines. 2,881,722, 4-14-59, Cl. 112-38.
- Barton, Hugh M., Jr.: See—  
Wiley, Bruce F., and Barton. 2,882,914.
- Barton, Hugh M., Jr., to Phillips Petroleum Co. Analyzer. 2,872,588, 2-3-59, Cl. 250-210.

- Barton Instrument Corp.: See—  
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- Barton, Larry J., to The Chlorox Co. Method of producing purified stabilized sodium hypochlorite. 2,918,351, 12-22-59, Cl. 23-86.
- Barton, Loy E., to Radio Corp. of America. Semiconductor devices. 2,886,748, 5-12-59, Cl. 317-235.
- Barton, Raymond W., and J. T. Herron, to Mead Johnson & Co. Flow regulator. 2,902,248, 9-1-59, Cl. 251-8.
- Barton, Richard D. Mechanics' light support. 2,888,552, 5-26-59, Cl. 240-88.
- Barton, Virginia. Combination diaper bag and baby bed. 2,908,020, 10-13-59, Cl. 5-99.
- Barton, Webley E., to Daystrom Inc. Multiple bimetallic element. 2,918,820, 12-29-59, Cl. 73-363.9.
- Bartram, James F., and D. H. Evans, to Bell Telephone Laboratories, Inc. Beam positioning apparatus. 2,913,622, 11-17-59, Cl. 315-21.
- Bartram, Ralph H., to Sylvania Electric Products Inc. Microwave tube. 2,903,619, 9-8-59, Cl. 315-18.
- Bartram, Ralph H., to Sylvania Electric Products Inc. Microwave tube. 2,903,620, 9-8-59, Cl. 315-18.
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- Bartz, Günter: See—  
Wiskott, Detmar, Bartz, and Weissenberg. 2,901,627.
- Bartz, Melvin C.: See—  
Breeding, David C., and Bartz. 2,884,915.
- Baruch, Jordan J., and C. H. Allen, to Bolt Beranek and Newman Inc. Method of and apparatus for acoustic silencing. 2,893,508, 7-7-59, Cl. 181-45.
- Baruch, Samuel. Jewelry. 2,888,723, 6-2-59, Cl. 24-41.
- Baruch, Sydney N. Power sources. 2,900,592, 8-18-59, Cl. 321-8.
- Barwick, Keith E., to Burroughs Corp. Electrical socket mounting unit. 2,905,921, 9-22-59, Cl. 339-17.
- Barworth, William G.: See—  
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Caranagh, George S., and Barworth. 2,914,975.
- Barzelay, Martin E. Spray drying apparatus. 2,884,049, 4-28-59, Cl. 159-4.
- Basch, Walter M.: See—  
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Mikecka, Louis A., Read, and Basch. 2,882,220.
- Basch, Walter M., to Esso Research and Engineering Co. Solvent dewaxing process wherein a critical amount of inert gas is bubbled through the cooling zone so as to improve subsequent filtration. 2,903,410, 9-8-59, Cl. 208-35.
- Baschant, Karl, to Utina-Electrowerk G.m.b.H. Watering device for stock. 2,891,509, 6-23-59, Cl. 119-75.
- Basco Inc.: See—  
Kile, Stephen L. 2,903,053.
- Basdekis, Costas H., to Monsanto Chemical Co. Polymeric calcium salt. 2,891,931, 6-23-59, Cl. 260-80.
- Basebe, Arthur C.: See—  
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- Baselt, Frederick C., to American Can Co. Sanitary container opening device. 2,916,818, 12-15-59, Cl. 30-10.
- Baselt, Walter H., to American Steel Foundries. Brake beam support. 2,874,811, 2-24-59, Cl. 188-207.
- Baselt, Walter H., to American Steel Foundries. Snubbed truck. 2,908,232, 10-13-59, Cl. 105-197.
- Basford, Kenneth A.: See—  
Colley, Rowan H., Basford, Moore, and Pearce. 2,916,876.
- Bashaw, Lionel, McLean, Basford, and Page. 2,886,300.
- Basgall, Elmer J. Fishing lure. 2,877,592, 3-17-59, Cl. 43-42.44.
- Bashara, Frank J. Well filters. 2,877,852, 3-17-59, Cl. 166-236.
- Bashman, Charles T.: See—  
McCurley, Edward B. 2,913,012.
- Bashor, James R.: See—  
Speckin, Alfred P., and Bashor. 2,884,818.
- Bashore, Don M., and N. H. Brown, Jr., to United States Rubber Co. Cold weather garments. 2,897,508, 8-4-59, Cl. 2-93.
- Bashover, Albert, to Margon Corp. Doll eye. 2,870,571, 1-27-59, Cl. 46-169.
- Bashover, Albert, to Margon Corp. Doll eye. 2,892,288, 6-30-59, Cl. 46-169.
- Bashover, Albert, to Margon Corp. Doll eye assembly. 2,904,928, 9-22-59, Cl. 46-166.
- Basle Inc.: See—  
Eells, Howard P., Jr., Pearson, and Lee. 2,898,194.
- Basic Products Corp.: See—  
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Sola, Joseph G. 2,875,398.
- Basic Structural Plastics, Inc.: See—  
Miner, Charles, Jr., and Kinsey. 2,912,939.
- Basile, James V. Combined level and measuring tool. 2,900,729, 8-25-59, Cl. 33-89.
- Bastinger, John D.: See—  
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- Baskin, Jeff D. Means for protecting crops from frost and cold. 2,902,990, 9-8-59, Cl. 126-59.5.
- Baso Inc.: See—  
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Dietz, Gerald E., and Hilgert. 2,869,049.  
Hajny, Charles E. 2,873,328.  
Hajny, Charles E. 2,875,975.  
Hajny, Charles E. 2,890,016.  
Hilgert, Adolph J. 2,876,786.  
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Wasson, Loerwood C. 2,876,397.  
Wolf, John A. 2,891,610.
- Bass, Charles S., 31% to T. M. Julian. Support. 2,909,347, 10-20-59, Cl. 248-113.
- Bass, George E., and F. Martindell, to Ferracute Machine Co. Combined clutch-brake mechanism. 2,889,021, 6-2-59, Cl. 192-18.
- Bass, Helen L., to Amalgamated Bass Prince Inventions, Inc. Lunchbox construction. 2,869,770, 1-20-59, Cl. 229-27.
- Bass, Helen L., 51% to G. W. Prince, and 10% to W. T. Bass. Arm bag. 2,881,441, 4-14-59, Cl. 2-1.
- Bass, Walter T.: See—  
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- Bassett, Henry W., to The W. E. Bassett Co. Combined tool. 2,889,621, 6-9-59, Cl. 30-152.
- Bassett, W. E. Co. The: See—  
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Walker, Herbert S. 2,903,791.  
Walker, Herbert S. 2,903,792.
- Bassick Co. The: See—  
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Claud-Mantle, Arthur. 2,913,273.  
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Kramcsak, Michael, Jr. 2,878,899.
- Bassini, Charles S. Restraining apparatus. 2,917,044, 12-15-59, Cl. 128-134.
- Bassini, Norman L. Electrical junction box and electrical fused plug connections. 2,894,097, 7-7-59, Cl. 200-115.5.
- Bassitt, Rudolph. Control method and electric system for textile machines. 2,871,685, 2-3-59, Cl. 66-86.
- Basso, Radento. Corrective splints. 2,889,827, 6-9-59, Cl. 128-87.
- Bassoff, Arthur B.: See—  
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Praeg, Walter S., and Bassoff. 2,887,014.
- Bassoff, Arthur B., to National Broach & Machine Co. Arbor. 2,904,938, 9-22-59, Cl. 51-168.
- Bassot, André, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. Arc welding guns with consumable electrode wire. 2,900,488, 8-18-59, Cl. 219-130.
- Bastek, Heinrich, to The Babcock & Wilcox Co. Waste heat boiler casing structure of corrugated plates. 2,916,021, 12-8-59, Cl. 122-494.
- Bastian-Blessing Co. The: See—  
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Billington, Evans R. 2,867,234.  
Billington, Evans R. 2,909,188.  
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Hanson, Herbert G., and Poethig. 2,916,060.  
Larkin, James, and Boedecker. 2,884,024.  
Sundstrom, Savin L. 2,893,756.
- Bastien, Paul G., to Societe des Forges et Ateliers du Creusot. Process for improving stress corrosion cracking resistance of alloyed steel in hydrogen sulphide atmosphere. 2,895,861, 7-21-59, Cl. 148-21.5.
- Bastis, Thomas E., to Kaiser Aluminum & Chemical Corp. Display sign. 2,885,808, 5-12-59, Cl. 40-125.
- Bata Shoe Co. of Canada Ltd.: See—  
Vdolek, Vladimir A. 2,907,068.
- Batallie, Maurice C. E., and G. M. Planchais, to International Standard Electric Corp. Electronic finder. 2,919,309, 12-29-59, Cl. 179-18.
- Batchelder, James W. Apparatus for automatic drilling and tapping of headed work pieces. 2,894,420, 7-14-59, Cl. 77-5.
- Batchelder, James W. Flow control mechanism for counting-packing apparatus and electric circuitry therefor. 2,907,154, 10-6-59, Cl. 53-59.



- Batchelder Rubico, Inc.: See—  
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- Batcheller, Hugh W., to Kent Mfg. Corp. Multiple electric connectors. 2,872,658, 2-3-59, Cl. 339-220.
- Batcheller, Hugh W., to Kent Mfg. Corp. Wire gripping crimping dies with rib receiving grooves. 2,878,854, 3-24-59, Cl. 153-1.
- Batchelor, Joseph B., Jr., to Central Electronics, Inc. Antenna for automotive vehicles. 2,881,428, 4-7-59, Cl. 343-714.
- Batchelor, Joseph B., Jr., to Patronix, Inc. Electronic oscillator. 2,867,725, 1-6-59, Cl. 250-36.
- Batchelor, Wallace W., Jr.: See—  
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- Bateman, Alva W., to E. I. du Pont de Nemours and Co. Apparatus for producing needled batts. 2,902,746, 9-8-59, Cl. 28-4.
- Bateman, Lee J.: See—  
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- Bateman, William H., to Wickman Ltd. Means for forming the teeth of spur gear wheels or the like. 2,893,173, 7-7-59, Cl. 51-95.
- Bates, Arthur I.: See—  
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- Bates, Charles E., to General Motors Corp. Vent cap. 2,889,392, 6-2-59, Cl. 136-177.
- Bates, Charles K., to Sylvania Electric Products Inc. Radio tube carton. 2,893,623, 7-7-59, Cl. 229-39.
- Bates, Darwin S., to Addressograph-Multigraph Corp. Printing devices. 2,903,276, 9-8-59, Cl. 283-9.
- Bates, Emile B. Wet heat treatment of material of poor electrical conductivity. Re. 24,644, 5-5-59, Cl. 8-151.2.
- Bates, Harold: See—  
Grady, Dennis, Bates, and Fisher. 2,872,331.
- Bates, James E., C. E. Johnson, and D. E. Tritten, to General Allline & Film Corp. Prevention of cyan dye fading in color developed prints and films. 2,913,338, 11-17-59, Cl. 96-56.
- Bates, John K., Jr., to International Telephone and Telegraph Corp. Pulse width and repetition rate discriminator. 2,912,579, 11-10-59, Cl. 250-27.
- Bates, John R., to Sun Oil Co. Photochemical preparation of formaldehyde. 2,908,622, 10-13-59, Cl. 204-158.
- Bates, Landon M. Dormer ventilator. 2,885,944, 3-12-59, Cl. 98-42.
- Bates, Reginald E., to Red Devil Tools. Power operated scraper. 2,876,537, 3-10-59, Cl. 30-171.
- Bates, Robert O., to G. W. Arant. Clamp for structural elements. 2,909,381, 10-20-59, Cl. 287-54.
- Bates, Roland H., and C. Pantermoller. Physical therapeutic apparatus. 2,896,612, 7-28-59, Cl. 128-60.
- Batesville Casket Co., Inc.: See—  
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Hillenbrand, George C. 2,867,030.
- Bath, Cyril, Co.: See—  
Maize, Paul F., and Yurka. 2,881,821.  
Yurka, August, Jr. 2,888,973.  
Yurka, August, Jr. 2,911,031.
- Bath Iron Works Corp.: See—  
Holm, Jens C. 2,873,920.
- Batha, Howard D.: See—  
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- Bathé, Charles G. Palm tree trimmer. 2,871,620, 2-3-59, Cl. 47-1.
- Bathe, Charles G. Apparatus for and method of smoking fowl or other meats. 2,888,872, 6-2-59, Cl. 99-259.
- Bathiey Mfg. Co.: See—  
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- Batho, William F., to Enterprise Railway Equipment Co. Operating mechanism for closure member of a discharge outlet assembly. 2,869,480, 1-20-59, Cl. 105-253.
- Batina, Jerome R., and K. E. Grosse, to W. M. Welch Mfg. Co. Photographic exposure timer. 2,885,563, 3-5-59, Cl. 250-205.
- Battas, George X., and E. N. Pantazis. Paper towel dispenser. 2,886,226, 5-12-59, Cl. 225-106.
- Batres, Enrique: See—  
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Ringold, Howard J., Kincl, and Batres. 2,895,969.
- Batson-Cook Co., The: See—  
Ball, Gaines L., and Hamrick. 2,897,575.
- Batson, William A., to The Singer Mfg. Co. Collapsible support for table leaf. 2,883,249, 4-21-59, Cl. 311-64.
- Batt, Werner. Implement with a handle for securely holding tubers and the like when peeling and preparing the same. 2,881,816, 4-14-59, Cl. 146-216.
- Battaglia, Angelo F. Scintillating sign and method and means for assembling same. 2,912,778, 11-17-59, Cl. 40-138.
- Battalline, John R. Flexible coupling. 2,899,809, 8-18-59, Cl. 64-15.
- Battelger, Joseph R. Ice making apparatus. 2,886,954, 5-19-59, Cl. 62-135.
- Battelle Development Corp., The: See—  
Bride, John E., Faust, and Safranek. 2,886,500.  
Carlson, Chester F. 2,876,737.  
Gundlach, Robert W. 2,901,374.  
Mayo, Clyde R. 2,895,847.  
Neher, Maynard B. 2,917,921.  
Sherman, Thomas L. 2,917,931.  
Willardson, Robert, and Beer. 2,889,492.
- Battelle Memorial Institute: See—  
Allen, William M. 2,891,588.  
Hummell, John D. 2,876,862.
- Battenberg, Virgil, D. W. Miller, H. H. Detamore, and R. E. Moore, to General Motors Corp. Centrifugally responsive governor valve assembly. 2,883,178, 4-21-59, Cl. 267-1.
- Battenberg, Virgil B., F. H. Katterheirich, and R. L. Sayre, to General Motors Corp. Air driven power unit. 2,874,787, 2-24-59, Cl. 170-68.
- Battenfeld Grease & Oil Corp., Inc.: See—  
Hosler, Wallace R. 2,902,190.
- Batterman, Theodore W., and M. Pobog, to Electric Eye Equipment Co. Automatic programming control board for automatic shutter system. 2,917,640, 12-15-59, Cl. 307-115.
- Battersby, Lyle R., to United States of America, Army. Method of automatic amplitude control for speech frequencies. 2,896,030, 7-21-59, Cl. 179-171.
- Battersson, Carl E. Mineral separators. 2,884,134, 4-28-59, Cl. 210-322.
- Batey, Everett M., and I. S. Livney, to Inflico Inc. Quick-acting release valve. 2,872,149, 2-3-59, Cl. 251-25.
- Battinich, Mitchell. Method and apparatus for filling cans and the like. 2,903,023, 9-8-59, Cl. 141-61.
- Battinich, Mitchell. Filling mechanism. 2,914,097, 11-24-59, Cl. 141-286.
- Battista, Anthony V. Lubricating rack construction. 2,895,641, 8-11-59, Cl. 20-8.
- Battistoni, Giovanni. Process for extracting sugar from molasses. 2,916,404, 12-8-59, Cl. 127-47.
- Battle Creek Packaging Machines, Inc.: See—  
Forko, Eric J. 2,871,639.
- Batts, Charles C. Fluid spray nozzle. 2,893,646, 7-7-59, Cl. 239-419.
- Batts, James W., to Permanent Glaze, Inc. Window construction. 2,901,786, 9-1-59, Cl. 20-36.4.
- Batty, John W., A. Lambert, G. Scott, and L. Seed, to Imperial Chemical Industries Ltd. Esters of hyponitrous acid. 2,913,481, 11-17-59, Cl. 260-466.
- Batutis, Edward F., and S. L. Walters, to Mine Safety Appliances Co. Purification of alkali metals by heat transfer. 2,879,157, 3-24-59, Cl. 75-60.
- Batz, Walter: See—  
Freder, Richard W., and Batz. 2,898,251.
- Batzle, William K., to Radio Corp. of America. Electron tube electrode. 2,900,553, 8-18-59, Cl. 313-331.
- Bau, Robert G. Cosmetic make-up kit. 2,902,041, 9-1-59, Cl. 132-79.
- Baublitz, Merritt H. Supporting and operating device for drills and the like. 2,879,677, 3-31-59, Cl. 77-7.
- Baublys, Mikas. Contrivance for the limitation of the axial play of shafts. 2,886,382, 5-12-59, Cl. 308-236.
- Bauchart, Adrienne, nee Echegut. Thread-cutting device. 2,909,091, 10-20-59, Cl. 82-5.
- Baudat, Andre A.: See—  
Swenson, Harvey F., and Baudat. 2,901,015.
- Baude, John, to Allis-Chalmers Mfg. Co. Network protector. 2,900,528, 8-18-59, Cl. 307-87.
- Baude, John, to Allis-Chalmers Mfg. Co. Control scheme for electric devices employing a magnetic amplifier. 2,914,718, 11-24-59, Cl. 318-167.
- Bauderoux, Jean P.: See—  
Bauderoux, Paul. 2,883,350.
- Bauderoux, Micheline R.: See—  
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- Bauderoux, Paul, deceased; R. J. S. Bauderoux, widow and heir, and guardian of J. P. and M. R. Bauderoux, minor heirs. Cellulosic varnishes and paints. 2,883,350, 4-21-59, Cl. 260-17.
- Bauderoux, Rica J. S.: See—  
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- Baudet, Raimond E. M.: See—  
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Bevoort, Cornelis, and Baudet. 2,876,281.
- Baudhuhn, George J. Self-propelled mobile lift. 2,909,208, 10-20-59, Cl. 214-396.
- Baudouin, Jacques. Brush with cleaning and protecting means. 2,881,460, 4-14-59, Cl. 15-184.
- Baudry, René A., to Westinghouse Electric Corp. Dual-ventilation hydrogen-cooled generators. 2,873,393, 2-10-59, Cl. 310-55.
- Baudry, René A., to Westinghouse Electric Corp. Turbine-generator ventilation. 2,915,655, 12-1-59, Cl. 310-55.
- Bauer, Albert, to Kelsey-Hayes Co. Plier tool. 2,885,781, 5-12-59, Cl. 30-271.
- Bauer, Alfons. Devices for indicating and recording the speed of travel of and the distance travelled by motor vehicles. 2,902,332, 9-1-59, Cl. 346-136.
- Bauer, Alfred F., to National Lead Co. Heating of dies by internal combustion. 2,892,224, 6-30-59, Cl. 22-74.
- Bauer, Alfred F., to National Lead Co. Die cast V-type engine block. 2,893,358, 7-7-59, Cl. 121-194.
- Bauer, Alfred F., to National Lead Co. Positioning or locking guides for dies. 2,912,730, 11-17-59, Cl. 22-153.
- Bauer, Armand C., to Stanley G. De La Hunt, and J. to Thomas J. Lyons. Steering device for small watercraft. 2,916,008, 12-8-59, Cl. 115-18.
- Bauer, Benjamin B., L. Gunter, Jr., and C. E. Seeler, to Shure Brothers, Inc. Phonograph pickup. 2,900,452, 8-18-59, Cl. 179-100.41.
- Bauer Bros. Co., The: See—  
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- Bauer, Charles H., to International Business Machines Corp. Sheet feeding apparatus. 2,869,869, 1-20-59, Cl. 271-38.
- Bauer, Clifford D., R. M. Marks, and E. A. Bernardoni, to The Borden Co. Calcium enriched milk. 2,871,123, 1-27-59, Cl. 99-54.
- Bauer, Dale A., to De-Icers, Inc. Vinyl mitten. 2,900,642, 8-25-59, Cl. 2-158.
- Bauer, Eduard, to The Cincinnati Milling Machine Co. Digital positioning device. 2,899,621, 8-11-59, Cl. 318-467.
- Bauer, Edwin W., to International Business Machines Corp. Magnetic core half adder. 2,868,451, 1-13-59, Cl. 235-61.
- Bauer, Edwin W., to International Business Machines Corp. Magnetic transfer circuit. 2,918,664, 12-22-59, Cl. 340-174.
- Bauer, Edwin W., and M. K. Haynes, to International Business Machines Corp. Magnetic memory system with disturbance cancellation. 2,899,540, 6-2-59, Cl. 340-174.
- Bauer, Edwin W., and M. K. Haynes, to International Business Machines Corp. Magnetic core building block. 2,910,594, 10-27-59, Cl. 307-88.
- Bauer, Ernest K., to American Viscose Corp. Snap action motion reversing mechanism. 2,886,974, 5-19-59, Cl. 74-100.
- Bauer, Ernest K., to American Viscose Corp. Drive unit for yarn collecting apparatus. 2,887,278, 5-19-59, Cl. 242-46.5.
- Bauer, Eugen, G.m.b.H.: See—  
Barthuff, Otto, and Pfaffenberger. 2,902,968.
- Bauer, Frank K., and R. D. Tufford, to H. W. Bauer. Machine for gathering down ears of corn. 2,891,373, 6-23-59, Cl. 56-345.
- Bauer, Franz: See—  
Nalmer, Hubert L., and Bauer. 2,919,151.
- Bauer, Franz, to H. Nalmer. Electromagnetically operated contactor. 2,882,369, 4-14-59, Cl. 200-87.
- Bauer, Friedrich L., to Siemens & Halske Akt. Method of and apparatus for securing the transmission of telegraph impulses. 2,880,273, 3-31-59, Cl. 178-23.
- Bauer, Fritz: See—  
Kracker, Herbert, Bauer, Kirst, Lowenfeld, and Staab. 2,908,679.
- Bauer, George F. Saddle actuated hobby horse. 2,913,248, 11-17-59, Cl. 280-1183.
- Bauer, George W.: See—  
Busch, Lee S., and Bauer. 2,899,303.
- Bauer, Helen W.: See—  
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- Bauer, Howard G., to The Rudolph Wurlitzer Co. Organ tremulant. 2,892,372, 6-30-59, Cl. 84-125.
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- Bauer, Howard G., to The Rudolph Wurlitzer Co. Organ reed support and assembly. 2,911,870, 11-10-59, Cl. 84-114.
- Bauer, Hubert: See—  
Clarke, William W., Stevens, Bauer, Jarvis, and Heller. 2,912,186.
- Bauer, John A., to Bendix Aviation Corp. Time delay circuit. 2,906,926, 9-29-59, Cl. 317-148.5.
- Bauer, Josef, Jr. Horn-light combination. 2,883,654, 4-21-59, Cl. 340-393.
- Bauer, Joseph, and H. Schlossmacher, to Hauni-Werke Korber & Co. K.G. Machines for loosening tobacco bales. 2,911,951, 11-10-59, Cl. 131-149.
- Bauer, Kurt P., to Textile Machine Works. Fashioning mechanism for knitting machines. 2,874,557, 2-24-59, Cl. 66-89.
- Bauer, Kurt P., G. Bitzer, and H. E. Haehnel, to Textile Machine Works. Welt bar operating means for straight bar knitting machines. 2,898,753, 8-11-59, Cl. 66-96.
- Bauer, Richard M.: See—  
Curler, Howard J., and Bauer. 2,892,735.
- Bauer, Robert D., and N. W. Mitchell, to Phillips Petroleum Co. Two stage reforming with noble metal catalyst. 2,905,621, 9-22-59, Cl. 208-65.
- Bauer, Robert F., and H. Stratton, to Shell Oil Co., Continental Oil Co., The Superior Oil Co., and Union Oil Co. of California. Anchoring method and apparatus. 2,891,770, 6-23-59, Cl. 255-1.8.
- Bauer, Robert F., R. C. McNeill, and J. T. Ledbetter, to Shell Oil Co., Continental Oil Co., The Superior Oil Co., and Union Oil Co. of California. Off-shore drilling. 2,909,359, 10-20-59, Cl. 255-1.8.
- Bauer, Russell E., to Cadillac Gage Co. Hydraulic control system. 2,893,355, 7-7-59, Cl. 121-39.
- Bauer, William H., Jr., to Minnesota Mining and Mfg. Co. Perfluorochloroolefin polymer blends. 2,888,364, 5-26-59, Cl. 117-72.
- Bauer, William R.: See—  
Prescott, Frank R., and Bauer. 2,887,738.
- Bauerlein, Carl C., to The Dole Valve Co. Liquid level indicator. 2,873,714, 2-17-59, Cl. 116-118.
- Bauerlein, Carl C., to The Dole Valve Co. Adjustable venturi proportioning valve. 2,881,800, 4-14-59, Cl. 137-604.
- Bauerlein, Carl C., to The Dole Valve Co. Liquid measuring device. 2,887,255, 5-19-59, Cl. 222-453.
- Bauerlein, Carl C., to The Dole Valve Co. Liquid measuring and dispensing device. 2,888,174, 5-26-59, Cl. 222-212.
- Bauerlein, Carl C., to The Dole Valve Co. Throw-away type of concentrate proportioner. 2,895,642, 7-21-59, Cl. 222-80.
- Bauerlein, Carl C., and M. M. Reddi, to The Dole Valve Co. Automatic icemaker. 2,918,803, 12-29-59, Cl. 62-135.
- Bauernmann, W., & Sohne G. m. b. H.: See—  
Zimmermann, Richard. 2,877,782.
- Bauernfeld, Jacob C., and R. H. Bunnell, to Hoffmann-La Roche Inc. Coloring composition and method of producing the same. 2,916,385, 12-8-59, Cl. 99-148.
- Bauernfeld, Norman G., and H. D. Huggins, to Modine A.C. Co. Method of making a heat exchanger. 2,912,749, 11-17-59, Cl. 29-157.3.
- Bauers, Barton M., Sr., to Owens-Corning Fiberglas Corp. Fluid heat exchange apparatus for use in molds. 2,887,722, 5-26-59, Cl. 18-39.
- Baugh, Charles W., Jr., to Westinghouse Electric Corp. Color television receiver burst separator. 2,892,018, 6-23-59, Cl. 178-54.
- Baugh, Charles W., Jr., to Westinghouse Electric Corp. Color television synchronous demodulator circuit. 2,897,360, 7-28-59, Cl. 250-27.
- Baugh, Charles W., Jr., to Westinghouse Electric Corp. Automatic frequency control system for television receiver. 2,916,545, 12-8-59, Cl. 178-5.8.
- Baugh, Jesse L., to Mold-Rite Corp. Foundry mold composition and method of preparing and maintaining the same for repeated use. 2,876,511, 3-10-59, Cl. 22-193.
- Baughman, Robert L.: See—  
Taylor, Donald F., Baughman, and Yntema. 2,904,430.  
Taylor, Donald F., Baughman, and Yntema. 2,905,548.  
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- Baum, Alvan: See—  
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- Baum, Arthur A., to E. I. du Pont de Nemours and Co. Process for the preparation of dibenzanthrone. 2,872,459, 2-3-59, Cl. 260-357.
- Baum, Richard F., to International Telephone and Telegraph Corp. Narrow band discriminator circuit. 2,889,458, 6-2-59, Cl. 250-31.
- Baum, Wendell E. Blade holding device. 2,904,884, 9-22-59, Cl. 30-162.
- Baum, William E., and J. L. Federman, to Eli Lilly and Co. Process for obtaining intrinsic factor. 2,912,360, 11-10-59, Cl. 167-74.
- Bauman, Carl C. Cutter for thin wall tubing. 2,875,517, 3-3-59, Cl. 30-101.
- Bauman, Carl S., to Air Conditioning, Inc. Air conditioning system. 2,886,955, 5-19-59, Cl. 62-259.
- Bauman, Edward, and J. O. G. Darrow, to North Electric Co. Excess voltage dissipating device. 2,875,366, 2-24-59, Cl. 313-306.
- Bauman, Joseph F. Skirt gage. 2,871,564, 2-3-59, Cl. 33-9.
- Bauman, Stephen. Easy service TV set. 2,898,585, 8-4-59, Cl. 340-367.
- Bauman, Thomas S., to Dominion Glass Co. Ltd. Apparatus for handling articles. 2,876,733, 3-10-59, Cl. 118-219.
- Bauman, William C.: See—  
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- Bauman, William C., and E. L. Graham, to The Dow Chemical Co. Preparation of molded articles from kerogenic minerals. 2,900,269, 8-18-59, Cl. 106-241.
- Baumann, Albert, to Durkoppwerke Akt. Conveyor system. 2,901,082, 8-25-59, Cl. 198-19.
- Baumann, Arthur N., to International Minerals & Chemical Corp. Manufacture of alkali metal polyphosphates. 2,888,321, 5-26-59, Cl. 23-107.
- Baumann, Bernard: See—  
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- Baumann, Ernst: See—  
Mast, Fred, Baumgartner, Held, and Baumann. 2,896,507.
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- Baumann, Friedrich. Process of converting carbon monoxide into a mixture of carbon dioxide and hydrogen. 2,870,096, 1-20-59, Cl. 252-373.
- Baumann, Friedrich. Method of removing carbon dioxide and hydrogen sulphide from gases. 2,889,197, 6-2-59, Cl. 23-50.
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Selbert, Heinrich, Triebeneck, Bienert, and Baumann. 2,875,211.
- Baumann, Fritz, B. Bienert, H. Vollmann, and G. Rosch, to Farbenfabriken Bayer Akt. Intermediates for the production of cobalt phthalocyanines. 2,897,039, 7-28-59, Cl. 8-1.
- Baumann, Fritz, and H. Bien, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of new vat dyestuffs. 2,901,479, 8-25-59, Cl. 260-247.1.
- Baumann, George P., and E. A. Nirmaier, to Esso Research and Engineering Co. Butene dehydrogenation followed by oil and water quenching of the dehydrogenation product effluent. 2,906,791, 9-29-59, Cl. 260-680.
- Baumann, Hans: See—  
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- Baumann, Hans, and E. Kern, to Badische Anilin- & Soda-Fabrik Akt. Production of azo dyestuff actions. 2,872,449, 2-3-59, Cl. 260-157.



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- Baumann, Paul H. Filters. 2,904,182, 9-15-59, Cl. 210-234.
- Baumbach, Harlan L. and E. M. Hoult, to Unicorn Engineering Corp. Power operated wood planer. 2,908,301, 10-13-59, Cl. 144-117.
- Baumbach, Darrel W., to David D. Miller. Portable drafting machine. 2,915,828, 12-8-59, Cl. 33-79.
- Baumbach, Harlan L.: See—
- Fried, Sherman, and Baumbach. 2,915,362.
- Baumbach, Harlan L., H. M. Little, and F. J. Scobey, to Unicorn Engineering Corp. Continuous optical reduction motion picture printer. 2,903,942, 9-15-59, Cl. 89-24.
- Baumbach, William J. Anti-back pressure trap. 2,910,997, 11-3-59, Cl. 137-247.29.
- Baumeister, Heard K., to International Business Machines Corp. Fluid pressurized sleeve bearing. 2,877,066, 3-10-59, Cl. 308-122.
- Baumer, Earl F. Single-void unitized transportable package. 2,869,721, 1-20-59, Cl. 206-65.
- Baumet, George A., to G. A. Baumet and E. W. Elste, d.b.a. Metal Masters Co. Magnetic tool holder. 2,888,617, 5-26-59, Cl. 317-159.
- Baumgartner, Frederick N., to Esso Research and Engineering Co. Extraction of free aliphatic acid from aluminum soap. 2,884,430, 4-28-59, Cl. 260-414.
- Baumgartner Freres S.A.: See—
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- Baumgartner, George L., Jr., to Armstrong Cork Co. Cork composition containing epoxy resin. 2,904,524, 9-15-59, Cl. 260-9.
- Baumgartner, John R. Carton blank delivery mechanism. 2,882,047, 4-14-59, Cl. 271-7.
- Baumgartner, John R. Blank forming apparatus. 2,888,860, 6-2-59, Cl. 93-36.
- Baumgartner, Verne E.: See—
- Winzen, Otto C., Baumgartner, and Beck. 2,900,149.
- Baumgartner, Walter E., and N. O. Brace, to E. I. du Pont de Nemours and Co. Process for the manufacture of tetraethyllead at elevated temperatures. 2,917,527, 12-15-59, Cl. 260-437.
- Baumgartner, Willy: See—
- Mast, Fred, Baumgartner, Held, and Baumann. 2,896,507.
- Baumier, Marius. Reinforced locking device for covers for receptacles. 2,875,918, 3-3-59, Cl. 220-55.
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- Baun, Leonard J.: See—
- Luther, Arch C., Jr., and Baun. 2,913,621.
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- Baur, Franz W., to Firma Contraves A. G. Supporting device. 2,873,936, 2-1-59, Cl. 248-180.
- Baur, Karl, to Telefunken G.m.b.H. Harmonic suppression in goniometers. 2,885,672, 5-5-59, Cl. 343-124.
- Baur, Paul, to Werner & Pfleiderer. Device for forming bands of dough in continuous operation. 2,909,131, 10-20-59, Cl. 107-12.
- Baus, Richard E., E. E. Fisher, and P. R. Pendell, to Gulf Oil Corp. Mineral lubricating oil composition. 2,911,367, 11-3-59, Cl. 252-32.7.
- Baus, William A. Fluid pump. 2,876,706, 3-10-59, Cl. 103-137.
- Bausch & Lomb Optical Co.: See—
- Brockway, Ellsworth M., and Herriott. 2,880,644.
- Brumley, Corwin H. 2,901,941.
- Hayes, John D., and Hudson. 2,889,745.
- Leuck, Irving B., and Friedman. 2,886,921.
- Malorino, Gennaro S. 2,891,446.
- Schelling, George C. 2,880,556.
- Stegeman, Raymond F. E. 2,909,276.
- Baush, Edward R.: See—
- Selby, Meyer S., and Baush. 2,891,870.
- Bauwin, George R., and F. X. Grossi, to Union Starch & Refining Co. Stabilized soil and method of producing it with quaternary nitrogen salt. 2,893,166, 7-7-59, Cl. 47-1.
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- Rowand, Will H., Marquez, Bayer, and Hughes. 2,891,522.
- Bavley, Abraham, K. J. Bruninga, and D. P. Cameron, to Chas. Pfizer & Co., Inc. Insecticides-derivatives of itaconic acid. 2,876,156, 3-3-59, Cl. 167-22.
- Bavley, Abraham, and M. Harfenist, to Chas. Pfizer & Co., Inc. Composition comprising 3-methylpent-1-ene-4-yne-3-ol and process of inducing hypnosis therewith. 2,882,200, 4-14-59, Cl. 167-52.
- Bavley, Abraham, and D. P. Cameron, to Chas. Pfizer & Co., Inc. Pesticides. 2,883,319, 4-21-59, Cl. 167-22.
- Bavley, Abraham, C. J. Knuth, and P. D. Thomas, to Chas. Pfizer & Co., Inc. Alkyd resins from hexahydrophthalic acid. 2,886,544, 5-12-59, Cl. 260-22.
- Bavley, Abraham, and B. E. Tate, to Chas. Pfizer & Co., Inc. Product and production of diesters of 2-carboxyethylcyclo-[2.2.1]-hept-5-ene-2-acetic acid. 2,899,457, 8-11-59, Cl. 260-468.
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- Baylor, Gordon F.: See—
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- Baylor, Gordon F., and J. Pichert, to Raytheon Co. High voltage switching tubes. 2,915,669, 12-1-59, Cl. 313-297.
- Baxa, James F., to Wheeling Steel Corp. Apparatus for forming a boiler head or the like. 2,898,788, 8-11-59, Cl. 78-61.
- Baxley, Eschol D.: See—
- Eckart, Robert H., and Baxley. 2,886,096.
- Baxman, Horace R.: See—
- Maraman, William J., Baxman, and Baker. 2,885,260.
- Baxter, Clyde W.: See—
- Alphenaar, Arthur W., Baxter, and Franco. 2,897,269.
- Baxter, Don, Inc.: See—
- Roberts, Martin. 2,913,000.
- Baxter, Edna F. Method of making decorative material. 2,867,890, 1-13-59, Cl. 28-72.
- Baxter, Ellsworth H. Aerating device. 2,919,120, 12-29-59, Cl. 261-30.
- Baxter, Gene F., P. K. Schoening, and H. M. Preusser, to American-Maritta Co. Thixotropic phenol-aldehyde adhesives composition and method of making same. 2,878,197, 3-17-59, Cl. 260-17.5.
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- Best, Charles W., Napier, and MacMurray. 2,873,874.
- Baxter, James G., to Eastman Kodak Co. Vitamin E fortified animal feeds. 2,891,864, 6-23-59, Cl. 99-2.
- Baxter, John. Brick course level and height gauge. 2,915,829, 12-8-59, Cl. 33-88.
- Baxter, John C., to The Black and Decker Mfg. Co. Electric hand drill powered floor polisher. 2,917,760, 12-22-59, Cl. 15-49.
- Baxter Laboratories, Inc.: See—
- Anthony, Paul Z., and Ginger. 2,889,364.
- Broman, Cyrus R. 2,878,808.
- Gewecke, Theodore H. 2,868,200.
- Ginger, Leonard G., and Anthony. 2,889,363.
- Gray, Philip P., and Stone. 2,906,623.
- Homan, John E., Gewecke, and Broman. 2,893,678.
- Mutz, Henry E. 2,880,501.
- Nesset, Naauric M. 2,893,389.
- Stone, Irwin M. 2,892,718.
- Stone, Irwin M., Gray, and Morawetz. 2,912,333.
- Baxter, Leonard R., and D. E. Rittenberg. Apparatus for manufacturing fabricated panels. 2,889,854, 6-9-59, Cl. 139-28.
- Baxter, Leonard R., and D. E. Rittenberg. Woven fences. 2,890,023, 6-9-59, Cl. 256-19.
- Baxter, Margaret B. Foundation garments. 2,887,114, 5-19-59, Cl. 128-525.
- Baxter, Meriwether L., Jr., and L. O. Carlsen, to The Gleason Works. Machine for cutting gears and the like. 2,895,384, 7-21-59, Cl. 90-6.
- Baxter, Robert R.: See—
- Schleiver, Victor, Hendricks, and Baxter. 2,872,415.
- Baxter, Thomas R., and B. C. Miller, to Continental Can Co., Inc. Tool for opening and expanding the mouth of a flexible receptacle. 2,900,779, 8-25-59, Cl. 53-381.
- Bay, Ernest, and W. B. Kelley, to Owens-Corning Fiberglass Corp. Flexible coupling. 2,904,976, 9-22-59, Cl. 64-27.
- Bayard, Jere: See—
- Menkin, Benjamin D., Rabin, and Scisorek. 2,891,364.
- Bayard, Kenneth T. Bag holder and opener. 2,899,161, 8-11-59, Cl. 248-101.
- Bayard, Robert T., to Westinghouse Electric Corp. Counter. 2,879,423, 3-24-59, Cl. 313-93.
- Bayer, Carl: See—
- Leiss, Emil A., and Bayer. 2,879,060.
- Bayer, Erich: See—
- Schwenk, Willy, Bayer, Hagemann, and Haberle. 2,907,240.
- Bayer, Erich, and L. Rizzi. Process for the production of doors from plastics in a single operation. 2,890,977, 6-16-59, Cl. 154-110.
- Bayer, Frank C., to Thompson Products, Inc. Fuel flow and control system. 2,867,269, 1-6-59, Cl. 158-36.4.
- Bayer, Otto: See—
- Bartl, Herbert, Holtschmidt, and Bayer. 2,882,260.
- Gold, Heinrich, and Bayer. 2,901,476.
- Graulich, Wilhelm, Becker, and Bayer. 2,908,658.
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- Bayley, Charles D., to General Electric Co. Photoconductive control circuit. 2,913,637, 11-17-59, Cl. 317-128.
- Bayley, Emery P., W. V. Davis, H. Diederichs, L. Vaupell, Jr., and W. H. Perrow, to Vaupell Industrial Plastics, Inc. Case angle shoe. 2,886,918, 5-19-59, Cl. 45-137.
- Bayley, Frederick J.: See—
- Terrell, Basil J., and Bayley. 2,873,087.
- Bayley, George R., to General Motors Corp. Filler access mechanism. 2,893,779, 7-7-59, Cl. 296-1.
- Bayliss, Cecil T., to Perry Chain Co. Ltd. Chain or belt tensioning devices. 2,893,255, 7-7-59, Cl. 74-242.5.
- Bayly, John G., to United States of America, Atomic Energy Commission. Proton resonance monitor. 2,911,557, 11-3-59, Cl. 324-5.
- Baymiller, John W., and P. E. Merrifield, to Armstrong Cork Co. Asbestos-containing vibration damping sheet material. 2,887,428, 5-19-59, Cl. 162-145.
- Bayne, Fred R.: See—
- Scherf, Paul H., Bayne, and Hammack. 2,867,134.
- Bayshore Industries, Inc.: See—
- Edwards, Philip R. 2,874,964.
- Bay State Abrasive Products Co.: See—
- Ball, Albert L. 2,874,729.
- Bazzoni, Leon J.: See—
- Hackett, Harry H. 2,885,902.
- Beach, Clarence E. Traffic signal controllers. 2,911,619, 11-3-59, Cl. 340-41.
- Beach, Edward J., to Beach-Russ Co. Boring device for elliptical or the like openings. 2,887,912, 5-26-59, Cl. 77-61.
- Beach, Edward L., and J. W. Steiner, to Westinghouse Electric Corp. Street light. 2,908,809, 10-13-59, Cl. 240-25.
- Beach, Harold W., Sr. Quick acting clamp. 2,886,267, 5-12-59, Cl. 248-41.
- Beach, Horace J., to Gulf Oil Corp. Protection of cements from effects of contamination. 2,889,228, 6-2-59, Cl. 106-31.
- Beach, James B., to Lockheed Aircraft Corp. Aircraft landing gear. 2,869,806, 1-20-59, Cl. 244-102.
- Beach, James R., to Bill Jack Scientific Instrument Co. Focal plane shutter. 2,877,698, 3-17-59, Cl. 95-57.
- Beach, John G.: See—
- Schaer, Glenn R., and Beach. 2,886,499.
- Beach, John G., and G. R. Schaer, to United States of America, Atomic Energy Commission. Pretreating thorium for electroplating. 2,897,124, 7-28-59, Cl. 204-1.5.
- Beach, John M. Container. 2,868,368, 1-13-59, Cl. 206-46.
- Beach, John M., and J. W. Bradbury; said Bradbury assor. to said Beach. Tow bar. 2,886,344, 5-12-59, Cl. 250-482.
- Beach, Joseph C.: See—
- Beach, Reuben T. 2,916,985.
- Beach, Laurence R., Jr., K. Radey, D. J. Glidea, and W. E. Strohmeier, to North American Aviation, Inc. Pressure measuring device. 2,876,640, 3-10-59, Cl. 73-182.
- Beach, Leland K., to Esso Research and Engineering Co. Process for preparing phosphonates. 2,908,708, 10-13-59, Cl. 260-461.2.
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- Beach, Reuben T., to J. C. Beach. Can crushing device. 2,916,985, 12-15-59, Cl. 100-53.
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- Beach, Edward J. 2,887,912.
- Beach & Shore, Inc.: See—
- Hayden, David H. 2,879,647.
- Beach, Sylvester K.: See—
- Stouten, Edwin A., and Beach. 2,893,450.
- Beach, William H., to The Bridgeport Metal Goods Mfg. Co. Diffusing lens for spot light reflector. 2,877,342, 3-10-59, Cl. 240-41.4.
- Beach, Harry H., to National Lead Co. Film-forming and drying compositions. 2,901,450, 8-25-59, Cl. 260-19.
- Beacham, Robert C., and W. F. Butler, to Cutter Laboratories, Inc. Blood strainer. 2,912,980, 11-17-59, Cl. 128-214.
- Beachem, Michael T.: See—
- Shaw, John T., Hosler, and Beachem. 2,917,540.
- Beacher, John H., and H. A. Troutman, to Allied Chemical Corp. Polyethylene wax aerosol compositions and process for preparing them. 2,902,376, 9-1-59, Cl. 106-10.
- Beachler, Edward D.: See—
- Hornbostel, Lloyd, and Beachler. 2,907,690.
- Hornbostel, Lloyd, Beachler, and Ely. 2,869,437.
- Beachler, Edward D., to Beloit Iron Works. Air bleed press arrangement. 2,882,968, 4-21-59, Cl. 162-360.
- Beachler, Edward D., to Beloit Iron Works. Winder drive. 2,890,000, 6-9-59, Cl. 242-66.
- Beachler, Edward D., to Beloit Iron Works. Machine drive. 2,895,348, 7-21-59, Cl. 74-689.
- Beachler, Edward D., to Beloit Iron Works. Felt run arrangement. 2,909,548, 10-27-59, Cl. 34-117.
- Beachler, Edward D., to Beloit Iron Works. Stock distributor assembly. 2,911,041, 11-3-59, Cl. 162-336.
- Beachler, Edward D., and E. J. Justus, to Beloit Iron Works. Auxiliary drive control. 2,912,629, 11-10-59, Cl. 318-6.
- Beaconing, Optical and Precision Materials Co. Ltd.: See—
- Toczykowski, Henryk S. 2,887,774.
- Bead Chain Mfg. Co., The: See—
- Bryant, Waldo G. 2,884,054.
- Beal, Carl L. Method of producing hollow plastic heels. 2,918,703, 12-29-59, Cl. 18-58.3.
- Beal, Carl L. Hollow plastic heels. 2,918,736, 12-29-59, Cl. 36-34.
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- Beal, Charles T., and H. E. Graves. Rotary lawn mower having collection means for cuttings. 2,910,818, 11-3-59, Cl. 56-25.4.
- Beal, James F., and J. Gogniat, Jr., to Robertshaw-Fulton Controls Co. Fuel burner control apparatus. 2,916,088, 12-8-59, Cl. 158-115.
- Beal, Philip F., and J. A. Hogg, to The Upjohn Co. 3 $\beta$ ,11 $\beta$ ,17 $\alpha$ ,21-tetrahydroxy-5-pregnen-20-one, 3,21-diester intermediates and process for the production thereof. 2,899,448, 8-11-59, Cl. 260-397.45.
- Beal, Robert E., to United States of America, Agriculture. Preparation of partial glycerides. 2,885,414, 5-5-59, Cl. 260-403.
- Beale, Alvin F., Jr., L. H. Eilers, and W. T. Abel, to The Dow Chemical Co. Well cementing. 2,868,294, 1-13-59, Cl. 166-29.
- Beale, Benjamin: See—
- Traut, Stephen C., Curran, and Beale. 2,908,464.
- Beale, Frederic S.: See—
- Halvorson, Robert L., Beale, and Dobyns. 2,875,327.
- Beale, Julian R. A. Method of making semi-conductive device. 2,878,147, 3-17-59, Cl. 148-1.5.
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- Beall, Francis W., and R. S. Burns, to Armco Steel Corp. Method for producing single-fire enameling stock devoid of fish-scaling and product thereof. 2,878,151, 3-17-59, Cl. 148-12.
- Beall, Horace A., Jr., and D. N. Montgomery, to Consolidated Electrodynamics Corp. Galvanometers. 2,907,952, 10-6-59, Cl. 324-97.
- Beall, John E.: See—
- Clark, Willis E., and Beall. 2,896,820.
- Beall, Richard W., Jr.,  $\frac{1}{2}$  to L. H. Chandler. Fitment for container. 2,915,223, 12-1-59, Cl. 222-109.
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- Beals, Malcolm D., and E. A. Gless, to National Lead Co. Preparation of ceramic frit compositions. 2,918,384, 12-22-59, Cl. 106-49.
- Beam Products Mfg. Co.: See—
- Lynn, Harold E. 2,895,560.
- Beam, Walter R., to Radio Corp. of America. Modulation control for cathode ray tubes. 2,888,606, 5-26-59, Cl. 315-16.
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- Beam, Walter R., and R. C. Knechtli, to Radio Corp. of America. Electron gun structure. 2,907,916, 10-6-59, Cl. 315-16.
- Beaman, Bernard, and J. Hulman, to United Hydraulics, Inc. Fluid flow regulating means. 2,914,088, 11-24-59, Cl. 137-625.3.
- Beaman, Norman V., to The J. H. Day Co., Inc. Pan greasing machine. 2,903,998, 9-15-59, Cl. 118-301.
- Beaman, Plastics: See—
- Woolfolk, Eldon W., and Boll. 2,915,215.
- Beaman, Townsend F.: See—
- Caldwell, William J. 2,872,858.
- Beamer, Ralph R., Boat steering device. 2,901,918, 9-1-59, Cl. 74-480.
- Beamish, Bernard D. Apparatus for detecting and counting objects. 2,914,246, 11-24-59, Cl. 235-98.
- Bean, Charles D. Card feeder. 2,907,076, 10-6-



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- Bean, Xarifa L., to Morris Bean & Co. Casting mold and pattern and process. 2,914,823, 12-1-59, Cl. 22-126.
- Beantalk Shelving Ltd.: See—  
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- Bear Mfg. Co.: See—  
Abbott, Bert F., 2,883,153.  
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- Beard, Arthur D.: See—  
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- Beard, Lawrence R.: See—  
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- Beard, Richard B., to Minneapolis-Honeywell Regulator Co. Temperature measuring apparatus. 2,868,017, 1-13-59, Cl. 73-368.2.
- Beard, Richard B., to Minneapolis-Honeywell Regulator Co. Hydrogen concentration measuring apparatus. 2,882,212, 4-14-59, Cl. 204-195.
- Beard, Richard B., to Minneapolis-Honeywell Regulator Co. Method and control apparatus for carburizing ferrous objects. 2,886,478, 5-12-59, Cl. 148-16.5.
- Beardsley, Gale R., to International Harvester Co. Crankcase ventilating system for internal combustion engines. 2,906,252, 9-29-59, Cl. 123-119.
- Beaser, Henry P., Jr., to Blaw-Knox Co. Program control for soot blower. 2,902,707, 9-8-59, Cl. 15-316.
- Beasley, French & Co. Ltd.: See—  
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- Beatman, John E. Kaleidoscope. 2,900,867, 8-25-59, Cl. 88-15.
- Beaton, Angus H.: See—  
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- Beaton & Caldwell Mfg. Co.: See—  
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- Beaton, Roy H., to United States of America, Atomic Energy Commission. Columbic oxide adsorption process for separating uranium and plutonium ions. 2,894,810, 7-14-59, Cl. 23-14.5.
- Beattie, Horace S., to International Business Machines Corp. Character selection mechanism. 2,893,312, 7-7-59, Cl. 101-93.
- Beattie, Horace S., T. L. Buley, and B. M. Muenzer, to International Business Machines Corp. Printing apparatus. 2,919,005, 12-29-59, Cl. 197-49.
- Beattie, Robert W. Tobacco pouches with removable liners. 2,880,775, 4-7-59, Cl. 150-28.
- Beatty, Guy M., to Chiksan Co. Gate valve. 2,914,294, 11-24-59, Cl. 251-172.
- Beatty, John W., to General Electric Co. Operating mechanism for fluid blast circuit breaker. 2,911,492, 11-3-59, Cl. 200-82.
- Beaubien, William H., to General Electric Co. Printed circuit surge relief gap. 2,901,659, 8-25-59, Cl. 313-309.
- Beauchamp, Frederick H. Cuff type trouser hanger. 2,889,093, 6-2-59, Cl. 223-96.
- Beauchamp, Paul N., to General Motors Corp. Extractor. 2,869,917, 1-20-59, Cl. 294-92.
- Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Side constructions for railway freight cars. 2,869,481, 1-20-59, Cl. 105-409.
- Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Doors for box cars. 2,878,533, 3-24-59, Cl. 20-23.
- Beauchamp, Wilfred A., to The Youngstown Steel Door Co. Doors for box cars. 2,902,122, 9-1-59, Cl. 189-46.
- Beauchamp, Wilfred A., and J. H. Gerstenmaler, 1/2 each to The Youngstown Steel Door Co., and The Goodyear Tire & Rubber Co. Sealing means for laterally movable car doors. 2,907,080, 10-6-59, Cl. 20-69.
- Beaudoin, Amelée J.: See—  
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- Beaugh, John B., J. C. Schiller, and B. W. Thomas, to Esso Research and Engineering Co. Control of catalytic reforming. 2,903,417, 9-8-59, Cl. 208-136.
- Beaulieu, Delton C., and P. J. Link, to Kimberly-Clark Corp. Sheet handling mechanism. 2,886,190, 5-12-59, Cl. 214-6.
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- Beauloye, Alfred F. and H. Jr. Cylinder block resurfacing machine. 2,907,142, 10-6-59, Cl. 51-56.
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- Beaumont Birch Co.: See—  
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- Beaumont, Warren L., and E. E. House, Jr., to Proctor Chemical Co., Inc. Condensation products, thermoset resinous materials, treated fabrics, and methods for production of such products. 2,884,301, 4-28-59, Cl. 8-116.2.
- Beaunit Mills, Inc.: See—  
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- Beauregard, Lawrence G., to The Gillette Co. Hair curler. 2,906,273, 9-29-59, Cl. 132-7.
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- Beauregard, Mildred A. Portable, foldable and rollable cabana. 2,882,913, 4-21-59, Cl. 135-5.
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- Beautiful Bryans, Inc.: See—  
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- Beauvais, Charles J. Adjustable slat supporting members for beds. 2,904,797, 9-22-59, Cl. 5-238.
- Beauvais, Max. Cooking apparatus for preserves in tins. 2,909,986, 10-27-59, Cl. 99-361.
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- Beaver, David J., and P. J. Stoffel, to Monsanto Chemical Co. Substituted ureas. 2,870,205, 1-20-59, Cl. 260-553.
- Beaver, David J., and P. J. Stoffel, to Monsanto Chemical Co. Diphenyl urea derivatives. 2,894,986, 7-14-59, Cl. 260-553.
- Beaver, David J., and P. J. Stoffel, to Monsanto Chemical Co. N-(Trimethyl-piperidyl) carboxanilides. 2,885,403, 5-5-59, Cl. 260-294.
- Beaver, David J., and P. J. Stoffel, to Monsanto Chemical Co. a,a'-bis(5-cumyl-2-hydroxyphenyl) mesitol. 2,897,242, 7-28-59, Cl. 260-619.
- Beaver, David J., and R. O. Zerbe, to Monsanto Chemical Co. 1,1-bis(2,5-dialkyl-4-hydroxyphenyl) ketones. 2,912,463, 11-10-59, Cl. 260-500.
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- Beaver Precision Products, Inc.: See—  
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- Beavon, David K., to The Texas Co. Treatment of residual asphaltic oils with light hydrocarbons. 2,875,149, 2-24-59, Cl. 208-75.
- Beavon, David K., to Texaco Inc. Apparatus for dispersing solids in gases in the catalytic treatment of hydrocarbon oils. 2,894,825, 7-14-59, Cl. 23-288.
- Beavon, David K., to Texaco Inc. Furfural solvent refining and recovery process. 2,895,908, 7-21-59, Cl. 208-327.
- Beavon, David K., to Texaco Inc. Petroleum refining process. 2,914,457, 11-24-59, Cl. 208-79.
- Beavon, David K., and F. H. Moore, to Texaco Inc. Two stage alkylation process. 2,906,797, 9-29-59, Cl. 260-683.61.
- Beazley, Thomas A., to BTR Industries Ltd. Flexible pipes. 2,908,295, 10-13-59, Cl. 138-50.
- Beber, Oral L.: See—  
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- Behinger, Jack E.: See—  
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- Behinger, Jack E., to General Electric Co. Waste disposal apparatus with spring clutch rotor drive. 2,877,955, 3-17-59, Cl. 241-32.5.
- Bechberger, Paul F., to Bendix Aviation Corp. Synchro null voltage system and method. 2,883,595, 4-21-59, Cl. 318-30.
- Becher, Elisabeth: See—  
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- Becher, Ernest F.: See—  
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- Becher, Heinrich. Apparatus for dispensing liquid or semi-liquid substances. 2,906,300, 9-29-59, Cl. 141-30.
- Becher, James J., to Roll-Flex Industries, Inc. Roller pump. 2,899,904, 8-18-59, Cl. 103-149.
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- Bechtel, Alfred R., Jr., to Ashworth Bros. Inc. Flat wire conveyor belt. 2,872,023, 2-3-59, Cl. 198-182.
- Bechtel, John, to J. E. Cushman. Geometrical instrument. 2,909,843, 10-27-59, Cl. 33-174.
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- Bechtold, Paul E. Window structure. 2,875,710, 3-3-59, Cl. 108-16.
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- Beck, Arnold H. W., and T. M. Jackson, to International Standard Electric Corp. Electronic discharge tubes. 2,872,620, 2-3-59, Cl. 315-84.6.
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- Beck, Arnold H. W., A. B. Cutting, A. D. Brisbane, and G. King, to International Standard Electric Corp. Thermionic cathodes. 2,912,611, 11-10-59, Cl. 313-346.
- Beck, Arnold H. W., and G. P. de Mengel, to International Standard Electric Corp. Electron velocity modulation tubes. 2,918,599, 12-22-59, Cl. 315-5.41.
- Beck, Basil D., Sr., and A. B. Swain, to Owens-Illinois Glass Co. Glass melting furnace with bubbler patterns. 2,909,005, 10-20-59, Cl. 49-54.
- Beck, Carl E. Abrading head. 2,902,799, 9-8-59, Cl. 51-197.
- Beck, Chyrus L. and G. R. Door closer. 2,880,451, 4-7-59, Cl. 16-70.
- Beck, Curt B.: See—  
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- Beck, Da Ruben L. Free locking wheel hub. 2,874,814, 2-24-59, Cl. 192-38.
- Beck, Derwood A., G. W. Goodrich, and K. W. Verge, to Bendix Aviation Corp. Fuel injection nozzle. 2,881,980, 4-14-59, Cl. 239-562.
- Beck, Eugene P., L. C. Jefferies, and R. G. Whitney, to United States Steel Corp. Pay-off reel. 2,887,283, 5-19-59, Cl. 242-128.
- Beck, Fred R.: See—  
Chapin, Howard R., and Beck. 2,905,782.  
Chapin, Howard R., and Beck. 2,919,319.
- Beck, Gaspar P., to Personal Products Corp. Cleaning device. 2,908,830, 10-20-59, Cl. 15-210.
- Beck, George W., W. E. Sehn, and W. Ziffer, to General Motors Corp. Weatherstrip retaining clip. 2,902,732, 9-8-59, Cl. 20-69.
- Beck, Guy R.: See—  
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- Beck, Henry E., to Massey-Ferguson Inc. Steering mechanism. 2,869,665, 1-20-59, Cl. 180-79.2.
- Beck, John T.: See—  
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- Beck, John T., to Beck's, Inc. Printed electrical circuit components having integral lead-outs and methods of making same. 2,900,380, 8-18-59, Cl. 317-101.
- Beck, Julius S., to J. E. Hill. Directional window cutter for whitestocks. 2,882,013, 4-14-59, Cl. 255-1.6.
- Beck, Karl J. Letter opener. 2,888,745, 6-2-59, Cl. 30-291.
- Beck, Karl M., and N. Stormont, said Beck assor., to Abbott Laboratories. Brominated sesame oil. 2,893,869, 7-7-59, Cl. 99-28.
- Beck, Kenneth H., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 2,907,887, 10-6-59, Cl. 250-214.
- Beck, Kenneth H., to Minneapolis-Honeywell Regulator Co. Oscillator operating in either of two modes. 2,907,955, 10-6-59, Cl. 331-177.
- Beck, Lawrence J., to Hanover Associates, Inc. Portable commode. 2,893,017, 7-7-59, Cl. 4-125.
- Beck, Merrill G., to Lord Mfg. Co. Resilient mounting. 2,893,722, 7-7-59, Cl. 267-1.
- Beck, Morris B., and H. L. Williams. Hanger device for lamp fixtures. 2,907,545, 10-6-59, Cl. 248-343.
- Beck, Norman F. Apparatus for filling a casing with food products. 2,886,073, 5-12-59, Cl. 141-313.
- Beck, Paul W., to Sinclair Refining Co. Process for producing odorless hydrocarbon solvent from heavy alkylate. 2,883,338, 4-21-59, Cl. 208-285.
- Beck, Raymond C., to The Fuller Brush Co. Handle connection for a mop. 2,898,619, 8-11-59, Cl. 15-144.
- Beck, Robert H., to E. I. du Pont de Nemours and Co. Apparatus for coating and drying photographic layers. 2,898,882, 8-11-59, Cl. 118-50.
- Beck, Robert H., to E. I. du Pont de Nemours and Co. Extrusion apparatus and processes of extruding. 2,901,770, 9-1-59, Cl. 18-13.
- Beck, Robert N.: See—  
Hudson, Roland B., and Beck. 2,910,133.
- Beck, Roderick G.: See—  
Keller, Harold M., and Beck. 2,870,026.
- Beck, Ronald D. Ash retainer for cigars, cigarettes and the like. 2,890,705, 6-16-59, Cl. 131-174.
- Beck, Samuel J. Railway skate. 2,874,645, 2-24-59, Cl. 104-260.
- Beck, Walter, and H. J. Holuba, to Montgomery Elevator Co. Elevator control system. 2,880,821, 4-7-59, Cl. 187-29.
- Beck, Warren R.: See—  
Herr, Robert, and Beck. 2,898,229.  
Stradley, Norman H., and Beck. 2,870,030.
- Beck, William J., and D. F. Fazendin, to Minneapolis-Honeywell Regulator Co. Photographic slide clip. 2,895,247, 7-21-59, Cl. 40-152.
- Beckadolph, Richard: See—  
Nichas, Walter, and Beckadolph. 2,904,099.
- Becke, Friedrich, and H. Sperber, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of octachlorodipropyl ether. 2,913,500, 11-17-59, Cl. 260-614.
- Becker, Adam: See—  
Smid, Martin T., and Becker. 2,910,756.
- Becker, Alfred, and M. Feurer, to Ciba Pharmaceutical Products Inc. Process and intermediate for isolating reserpine. 2,887,489, 5-19-59, Cl. 260-286.
- Becker, Aloysius P., Benninghofen and F. B. Diesbach as trustees. Autographic register. 2,883,210, 4-21-59, Cl. 282-16.
- Becker, Anthony F., to American-Lincoln Corp. Floor cover removing machine having floating scraper. 2,906,514, 9-29-59, Cl. 262-8.
- Becker, Arthur: See—  
Kadlec, Ladislav, and Becker. 2,919,344.
- Becker, Arthur L., to General Motors Corp. Lubricating device. 2,891,634, 6-23-59, Cl. 184-1.
- Becker, August, and N. G. Kane. Centrifugal feed device. 2,896,412, 7-28-59, Cl. 60-54.5.
- Becker, Bernard J., Jr., and J. R. Duclos, to General Motors Corp. Connector assembly for a door handle. 2,869,912, 1-20-59, Cl. 292-336.3.
- Becker-Boost, Erich H.: See—  
Kaess, Franz, Kronacher, and Becker-Boost. 2,884,307.
- Becker, Charles H. Sponge rubber utility tool having detachable head. 2,910,714, 11-3-59, Cl. 15-244.
- Becker, Earl M., and J. J. Bridge, to Mine Safety Appliances Co. Gas dispensing apparatus. 2,895,640, 7-21-59, Cl. 223-7.
- Becker, Earl M., and J. J. Bridge, to Mine Safety Appliances Co. Pressure relief valve. 2,896,661, 7-28-59, Cl. 137-512.3.
- Becker, Edward J., H. M. Cleveland, P. R. Pondy, and H. J. Robinson, to Bell Telephone Laboratories, Inc. Method of making sintered cathodes. 2,914,402, 11-24-59, Cl. 75-207.
- Becker, Floyd K., to Bell Telephone Laboratories, Inc. Two-way television over telephone lines. 2,878,310, 3-17-59, Cl. 178-6.
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- Becker, George: See—  
Dobrin, Edward P., and Becker. 2,875,614.
- Becker, George D., to Nordberg Mfg. Co. Seals for gyratory crusher shafts. Re. 24,754, 12-15-59, Cl. 308-142.
- Becker, George D., to Nordberg Mfg. Co. Seals for gyratory crusher shafts. 2,878,082, 3-17-59, Cl. 308-142.
- Becker, Gottfried, K. Bungardt, and K. H. Lange, to Deutsche Edelstahlwerke Akt. Process for improving the physical properties of chromized articles. 2,875,112, 2-24-59, Cl. 148-21.55.
- Becker, Gotthold: See—  
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- Becker, Hans. Lathes. 2,900,859, 8-25-59, Cl. 82-19.
- Becker, Harry C.: See—  
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- Becker, Helmut, to Hüttenwerk Oberhausen A.G. Apparatus for the analysis of hot, dust-laden gases. 2,901,626, 8-25-59, Cl. 250-43.5.
- Becker, Henry. Uniform pressure hand stamp. 2,900,902, 8-25-59, Cl. 101-368.
- Becker, Herbert D.: See—  
Wall, Marion P., and Becker. 2,876,925.
- Becker, John, and C. E. McCormack, to E. I. du Pont de Nemours and Co. Vulcanizable elastomer pellet and process of forming unscorched extrudate. 2,906,740, 9-29-59, Cl. 260-79.5.
- Becker, Josef, K. E. Scheer, and H. Egelhaaf, to Buchler & Co. Radiation applicator. 2,917,041, 12-15-59, Cl. 128-1.2.
- Becker, Joseph H.: See—  
Heckmann, Wolfgang G. J., Becker, and Steven. 2,907,465.
- Becker, Karl: See—  
Schedl, Karl, and Becker. 2,911,072.
- Becker, Lyman. Flush valve control for plumbing fixtures. 2,894,580, 7-14-59, Cl. 161-7.
- Becker, Myron, J. J. Grammaria, and E. A. Oberright, to Socony Mobil Oil Co., Inc. Anti-stall gasoline. 2,902,353, 9-1-59, Cl. 44-71.
- Becker, Nathan, to Birmingham Industries, Inc. Shutter structure. 2,867,011, 1-6-59, Cl. 20-58.
- Becker, Nathan, to Small Business Administration. Shutter structure. 2,878,536, 3-24-59, Cl. 20-58.
- Becker, Nathan, to Small Business Administration. Awning structure. 2,900,681, 8-25-59, Cl. 20-57.5.
- Becker, Nathan, to Seaview Industries, Inc. Metallic awning structure. 2,900,682, 8-25-59, Cl. 20-57.5.
- Becker, Otto A. Selectively power-operated drawer structure. 2,873,159, 2-10-59, Cl. 312-223.



- Becker, Philip D., to United-Carr Fastener Corp. Plug button assembly. 2,871,591, 2-3-59, Cl. 40-20.
- Becker, Philip D., to United-Carr Fastener Corp. Fastening device. 2,898,634, 8-11-59, Cl. 24-73.
- Becker, Philip D., to United-Carr Fastener Corp. Fastening device. 2,912,734, 11-17-59, Cl. 24-73.
- Becker, Philip D., to United-Carr Fastener Corp. Piercing fastener with deformable head and expanding legs. 2,913,952, 11-24-59, Cl. 85-38.
- Becker, Philip J., Jr. Cotter pin applying and removing tool. 2,884,690, 5-5-59, Cl. 29-247.
- Becker, Philip S. Valve. 2,918,906, 12-29-59, Cl. 121-46.5.
- Becker, Philippe, to Societe Anonyme dite: Societe de Mecanographie Japy, and Societe Anonyme dite: Ateliers Boriguand & Marre. Device for electrically interconnecting business machines. 2,906,387, 9-29-59, Cl. 197-5.
- Becker, Richard O.: See—
- Miller, Verle A., and Becker. 2,876,203.
- Becker, Robert E., to Logansport Machine Co., Inc. Air pressure regulating unit. 2,887,123, 5-19-59, Cl. 137-505.11.
- Becker, Robert E., to Logansport Machine Co., Inc. Vacuum control valve. 2,914,034, 11-24-59, Cl. 121-46.5.
- Becker, Robert R., to American Potash & Chemical Corp. Vacuum packing gland for high speed stirring. 2,901,295, 8-25-59, Cl. 308-36.1.
- Becker, Stephen P., and H. R. Wengen, to Fargo Mfg. Co., Inc. Strand connector. 2,884,478, 4-28-59, Cl. 174-94.
- Becker, Stephen P., H. R. Wengen, and E. H. Terhune, to Fargo Mfg. Co., Inc. Coupling. 2,903,284, 9-8-59, Cl. 287-75.
- Becker, Walter A., to Old Dominion Box Co., Inc. Dispensing carton for rolled material. 2,890,821, 6-16-59, Cl. 225-43.
- Becker, Wilhelm: See—
- Bartl, Herbert, and Becker. 2,892,004.
- Graulich, Wilhelm, Becker, and Bayer. 2,908,658.
- Kolb, Günter, and Becker. 2,891,039.
- Becker, Wilhelm, and D. Steuer, to Farbenfabriken Bayer Akt. Artificial dentures and process of preparing. 2,874,467, 2-24-59, Cl. 32-2.
- Becker, Willi. Molecular pump. 2,918,208, 12-22-59, Cl. 230-118.
- Beckers, Albert E.: See—
- Burns, Joseph, and Beckers. 2,896,106.
- Beckers, Hans, to W. Reiners. Hopper-type feeder for bobbin cores. 2,891,697, 6-23-59, Cl. 221-156.
- Beckers, Norman L., to Diamond Alkali Co. Chemical method and composition. 2,903,483, 9-8-59, Cl. 260-652.5.
- Beckett, Donald E., and W. N., to Beckett-Harcum Co. Spool valve. 2,869,583, 1-20-59, Cl. 137-625.42.
- Beckett, Donald E., and W. N., to Beckett-Harcum Co. Manifold mounted valve. 2,879,788, 3-31-59, Cl. 137-454.6.
- Beckett, Donald E., and W. N., to Beckett-Harcum Co. Valve spool. 2,903,292, 10-13-59, Cl. 137-622.
- Beckett, Donald E. Night crawler harness. 2,911,753, 11-10-59, Cl. 43-43.2.
- Beckett-Harcum Co.: See—
- Beckett, Donald E., and W. N. 2,869,583.
- Beckett, Donald E., and W. N. 2,879,788.
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- Beckett, John S., to Aseptico Thermo Indicator Co. Compensating timer. 2,898,533, 8-4-59, Cl. 318-171.
- Beckett, Joseph E., to Ram Jet Wind Inc. Orchard fan driven by ram-jet engines. 2,895,259, 7-21-59, Cl. 47-2.
- Beckett, Leo G., and R. E. Tobey, to Whirlpool Corp. Household refrigerators of the cycle defrosting type. 2,881,601, 4-14-59, Cl. 62-287.
- Beckett, Reginald W. Pressure atomizing liquid fuel burner with air stream centering ring. 2,900,019, 8-18-59, Cl. 159-76.
- Beckett, William N.: See—
- Beckett, Donald E., and W. N. 2,869,583.
- Beckett, Donald E., and W. N. 2,879,788.
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- Beckling, Donald H., R. J. Clauss, and H. Brown, to The Hydrite Research Corp. Electrodeposition of nickel. 2,882,208, 4-14-59, Cl. 204-49.
- Beckley, Benton. Method of making molded shell trailer bodies. 2,883,233, 4-21-59, Cl. 296-28.
- Beckman Instruments, Inc.: See—
- Akerman, Karl A. L., and Sundström. 2,868,060.
- Boff, Albert F. 2,914,670.
- Carle, Don W., and Van Wormer. 2,916,057.
- Clementi, John A. 2,875,307.
- Cori, John L., and Gordon. 2,900,601.
- Durum, Emmett L., and Pickels. 2,879,217.
- Greene, Malbone W., and Thayer. 2,882,719.
- Hare, George H., and Margetts. 2,896,083.
- Liston, Max D. 2,875,340.
- Marason, Gabriel, Jr. 2,887,555.
- Molloy, Everett W. 2,885,926.
- Noyce, Robert N. 2,869,055.
- Pickels, Edward G., and Oates. 2,885,188.
- Pickels, Edward G., Stallman, and Scofield. 2,878,992.
- Rohrer, David A. 2,916,046.
- Schendel, Herbert M. 2,914,744.
- Schrotzberger, Edward T. 2,910,598.
- Spracklen, Stanford B. 2,899,258.
- Taylor, Daniel D. 2,883,118.
- Taylor, Daniel D. 2,918,871.
- Thayer, Louis C. 2,883,857.
- Beckman Instruments, Inc.: See—Continued
- Thayer, Louis C. 2,892,976.
- Thayer, Louis C., and Czuba. 2,901,327.
- Thayer, Louis C., and Gere. 2,902,639.
- Tipotsch, Donald G. 2,911,532.
- Toomim, Hershel, and Hare. 2,903,523.
- Williams, Fred G., Jr. 2,868,020.
- Beckman & Whitley, Inc.: See—
- Whitley, Ernest M., and Greer. 2,877,780.
- Becknell, Raleigh, to The Conway Clutch Co. Friction clutches. 2,913,082, 11-17-59, Cl. 192-56.
- Beckner, Donald O., and T. E. Mercier, to Simonds Saw and Steel Co. Process for file making. 2,897,692, 8-4-59, Cl. 70-24.
- Beckner, Elias W. Boat trailer. 2,910,197, 10-27-59, Cl. 214-84.
- Beckner, Marshall H., to Wire-Tex Corp. Storage racks. 2,897,978, 8-4-59, Cl. 211-148.
- Beckner, Marshall H., to Tri-State Engineering Co. Container for use with fork lift trucks. 2,898,122, 8-4-59, Cl. 280-12.
- Beck's, Inc.: See—
- Beck, John T. 2,900,580.
- Beckstett, Rupert F., to The Astrup Co. Lateral awning arm bracket with horizontal adjustment. 2,880,956, 4-7-59, Cl. 248-273.
- Beckvoigt, Oscar E., Jr., and P. F. Hartman, to United States Rubber Co. Battery separators. 2,872,497, 2-3-59, Cl. 136-146.
- Beckwith-Arden Inc.: See—
- Beckwith, Edwin L., and MacIver. 2,917,840.
- Beckwith, Edwin L., and C. P. MacIver, to Beckwith-Arden Inc. Heel and base assembly. 2,917,840, 12-22-59, Cl. 36-35.
- Beckwith, John R., to Raytheon Mfg. Co. Electrical resistor. 2,867,705, 1-6-59, Cl. 201-55.
- Beckwith, Robert W., to General Electric Co. Method and apparatus for transmission of intelligence. 2,871,463, 1-27-59, Cl. 340-171.
- Beckwith, Sterling, to Constock Liquid Methane Corp. Method and apparatus for controlling atmospheric conditions during installation. 2,873,778, 2-17-59, Cl. 144-309.
- Beckwith, Sterling, to Constock Liquid Methane Corp. Method and apparatus for unloading cold low temperature boiling liquids from storage reservoir. 2,897,658, 8-4-59, Cl. 62-55.
- Beckwith, Wendell K., to The Parker Pen Co. Injection molding die and nozzle combination for forming sprue-free articles. 2,904,839, 9-22-59, Cl. 18-30.
- Beckwith, Wendell K., to The Parker Pen Co. Method and apparatus for forming spheres. 2,911,669, 11-10-59, Cl. 18-1.
- Beckwith, Wendell K., to The Parker Pen Co. Writing instrument. 2,911,949, 11-10-59, Cl. 120-42.4.
- Beecraft, Charles E. Child's playroom ride. 2,908,498, 10-13-59, Cl. 272-1.
- Beecraft, James O. Measuring device for pipes. 2,899,750, 8-18-59, Cl. 33-75.
- Bedon, Dickinson and Co.: See—
- Adams, John Q. 2,880,723.
- Bednarz, Edward W. 2,894,509.
- Buck, James R. 2,893,395.
- De Venezuela, Edward J. 2,882,901.
- Dickinson, Fairleigh S., Jr. 2,880,722.
- Kendall, Charles O. 2,880,725.
- Kendall, Charles O. 2,887,108.
- Bedco International Ltd.: See—
- Tegedrine, George E. 2,887,804.
- Bedderman, Morris, S. Vogler, and H. H. Hyman, to United States of America, Atomic Energy Commission. Separation of ruthenium from aqueous solutions. 2,894,818, 7-14-59, Cl. 23-140.
- Beddow, Raymond R. Removable filter device for funnels. 2,907,466, 10-6-59, Cl. 210-457.
- Bede, James A. Accumulator. 2,896,862, 7-28-59, Cl. 230-332.
- Bedell, Berkley W. Treatment of nylon filaments. 2,889,611, 6-9-59, Cl. 28-76.
- Bedell, Eugene J. Method and apparatus for making mosaic tiles or the like. 2,907,129, 10-6-59, Cl. 41-1.
- Bedenk, William T., to The Procter & Gamble Co. Chocolate-containing culinary mixes. 2,874,052, 2-17-59, Cl. 99-94.
- Bedenk, William T., and J. W. Phenix, to The Procter & Gamble Co. Method of making a culinary mix and the resulting product. 2,874,051, 2-17-59, Cl. 99-94.
- Bedor, Salim N. Maternity girdle. 2,896,634, 7-28-59, Cl. 128-558.
- Bedford, Burnice D., and R. W. Kuennig, to General Electric Co. Mechanical rectifier current and voltage control. 2,889,511, 6-2-59, Cl. 321-48.
- Bedford Gear & Machine Products, Inc.: See—
- Ettell, Howard L. 2,869,884.
- Bedford, Howard E., to The Pyrene Co. Ltd. Smoke-detecting and fire-extinguishing apparatus. 2,871,951, 2-3-59, Cl. 169-5.
- Bedford, William A., Jr. Fastening device. 2,872,139, 2-3-59, Cl. 248-27.
- Bedford, William A., Jr., to United-Carr Fastener Corp. Fastening device. 2,898,653, 8-11-59, Cl. 24-73.
- Beddingfield, William F. Tire bead breaking tool. 2,872,970, 2-10-59, Cl. 157-117.
- Bedke, Leo L.: See—
- McCarthy, Horace G., and Bedke. 2,880,004.

- Bedker, Leo W. Thread rolling. 2,875,649, 3-3-59, Cl. 76-107.
- Bednars, Charles, M. R. Smith, and G. W. Stanford, to The M. W. Kellogg Co. Hydrocarbon conversion system. 2,881,128, 4-7-59, Cl. 208-93.
- Bednars, Charles, G. W. Stanford, and J. L. Patton, to The M. W. Kellogg Co. Hydrocarbon desulfurization process. 2,890,165, 6-9-59, Cl. 208-89.
- Bednarski, Thaddeus E., to John Oster Mfg. Co. Electric motor driven knife sharpener. 2,895,709, 8-11-59, Cl. 51-102.
- Bednarz, Edward W., to Becton, Dickinson and Co. Hypodermic syringe. 2,894,509, 7-14-59, Cl. 128-218.
- Bee, Ernest K.: See—
- Gray, John A., and Bee. 2,884,887.
- Beebe, Douglas N. Dog leash assembly. 2,889,807, 6-9-59, Cl. 119-109.
- Beebe, Harvey K. Rotatable sucker pipe suspension. 2,906,384, 9-29-59, Cl. 193-30.
- Beebe, John N., to United States of America, Navy. Velocity measuring apparatus. 2,871,460, 1-27-59, Cl. 340-3.
- Beebe, Kenneth H., R. W. Carr, and J. F. Wilson, Jr. Drafting instrument. 2,874,474, 2-24-59, Cl. 33-76.
- Beebe, Paul, Jr., to The Goodyear Tire & Rubber Co. Bag loading device. 2,899,788, 8-18-59, Cl. 53-262.
- Beebe, Frederick L., and M. B. Mendelson, to The Deutsch Co. Electrical connector. 2,892,991, 6-30-59, Cl. 339-91.
- Beeber, Allan R. A., and D. S. Specier, to Keuffel & Esser Co. Method of treating oriented polyethylene terephthalate film with an halogenated fatty acid. 2,893,896, 7-7-59, Cl. 117-118.
- Beech Aircraft Corp.: See—
- Foncannon, John L., and Adams. 2,868,092.
- Scott, Orin W. 2,911,050.
- Beech, Austin S., to Foundry Equipment Ltd. Foundry core making machines. 2,901,791, 9-1-59, Cl. 22-10.
- Beech, Austin S., and T. Spencer, to Foundry Equipment Ltd. Charging of hoppers. 2,879,905, 3-31-59, Cl. 214-17.
- Beecham Research Laboratories Ltd.: See—
- Doyle, Frank P., and Stove. 2,877,265.
- Queen, Alan. 2,918,476.
- Beecher, Donald J., to American Flexible Coupling Co. Seal assembly. 2,867,100, 1-6-59, Cl. 64-9.
- Beecher, Donald J., to American Flexible Coupling Co. Shaft coupling. 2,871,681, 2-3-59, Cl. 64-9.
- Beecher, Norman: See—
- Hellier, Edward G., Beecher, and Raymond. 2,915,382.
- Becroft, Robert J., and E. N. Penton. Sound-propagating device. 2,871,971, 2-3-59, Cl. 181-31.
- Beede, Arnold H., to Electrofax Corp. Frame for garment bag. 2,876,054, 3-3-59, Cl. 312-3.
- Beede, Ray L., and H. H. Hopkins, Jr., to United States of America, Atomic Energy Commission. Method of preparing plutonium tetrafluoride. 2,913,307, 11-17-59, Cl. 23-14.5.
- Beeghly, Bert E., to Phillips Petroleum Co. Process and apparatus for controlling liquid pressure surge in a line. 2,910,079, 10-27-59, Cl. 137-14.
- Beegle, Francis M. Speed-maintaining device. 2,891,417, 6-23-59, Cl. 74-513.
- Beekman, Stewart M., to Rehels Co., Inc. Zirconyl and aluminum halohydroxy complex. 2,906,668, 9-29-59, Cl. 167-90.
- Beeman, Archie W., and C. D. New. Jaw operating means for power tongs. 2,879,680, 3-31-59, Cl. 81-53.
- Beemer, Paul K., to Preco Inc. Variable pitch pulley mechanism. 2,893,253, 7-7-59, Cl. 74-230.17.
- Beemer, Paul K., P. Z. Anderson, and H. W. Burney, to Preco Inc. Car icing machine. 2,903,864, 9-15-59, Cl. 62-321.
- Been, Jerome L., and M. M. Grover, to Rubber and Asbestos Corp. Brush. 2,878,503, 3-24-59, Cl. 15-193.
- Been, Jerome L., and M. M. Grover, to Rubber and Asbestos Corp. Adhesive compositions of polyepoxide resins and butadiene-acrylonitrile rubbers and method of making bristle brushes using same. 2,879,252, 3-24-59, Cl. 260-45.5.
- Beenlinga, Dale E.: See—
- Martt, Ernest C., and Beenlinga. 2,888,585.
- Beenlinga, Dale E., and W. C. Matz, to General Electric Co. Reflector mercury lamp mount. 2,904,710, 9-15-59, Cl. 313-25.
- Beens, Hendrik J., to Pieter Schoen & Zoon N.V. Film applicator. 2,893,040, 7-7-59, Cl. 15-236.
- Beer, Albert C.: See—
- Willardson, Robert, and Beer. 2,889,492.
- Beerhower, Alan, and W. H. Gay, to Esso Research and Engineering Co. Method of preparing mixed-salt containing lubricants. 2,909,485, 10-20-59, Cl. 252-39.
- Beeron, Francis H. J. Shoe polishing apparatus. 2,882,538, 4-21-59, Cl. 15-24.
- Beers, Clifford E.: See—
- Miller, Paul C. Beers, and Stoner. 2,905,642.
- Beers, George L., to Radio Corp. of America. Multiplex transmission. 2,874,213, 2-17-59, Cl. 178-5.6.
- Beers, Max L., and R. E. Davis, to Sperry Rand Corp. Automatic control system for aircraft. 2,888,219, 5-26-59, Cl. 244-77.
- Beesley, John H., to The General Electric Co. Ltd. Electrical gas discharge tube circuits. 2,869,035, 1-13-59, Cl. 315-84.5.
- Beesley, John H., to The General Electric Co. Ltd. Electrical gas discharge tube counting or distributing circuits. 2,900,571, 8-18-59, Cl. 315-84.5.
- Beesley, Scott L. Storing and dispensing apparatus. 2,901,118, 8-25-59, Cl. 211-49.
- Beeston, John T., Jr., to Frontier Development Co. Blade for rotary lawn mower. 2,869,311, 1-20-59, Cl. 56-295.
- Beeston, John T., Jr., to Frontier Development Co. Torque limiting magnetic coupling. 2,885,873, 5-12-59, Cl. 64-28.
- Beet, Frederick L.: See—
- Edge, Stanley H., and Beet. 2,878,646.
- Beets, James D., to The Beham Co. Sun visor. 2,917,186, 12-15-59, Cl. 211-97.
- Beets, Muus G. J., H. Van Essen, and W. Meerburg, to N. V. Polak & Schwarz's Essencfabrieken. 4-acyl-1,1-dimethyl-6-t-butyl indanes. 2,889,367, 6-2-59, Cl. 260-592.
- Begeman, Robert H., to United States of America, Navy. Frequency-stabilized pulse generator. 2,904,684, 9-15-59, Cl. 250-27.
- Beggs, James E., to General Electric Co. Method and apparatus for making vacuum enclosures. 2,868,610, 1-13-59, Cl. 316-19.
- Beggs, James E., to General Electric Co. Cathode structures. 2,875,367, 2-24-59, Cl. 313-340.
- Beggs, James E., to General Electric Co. Cathode structure. 2,892,120, 6-23-59, Cl. 313-543.
- Beggs, John C., to United Aircraft Corp. Valve means for controlling direction of flow in an aircraft air conditioning system. 2,884,845, 5-5-59, Cl. 98-1.5.
- Beggs, Louis C.: See—
- Grenier, Alime J., Beggs, and Mawney. 2,907,847.
- Begley, John W., to Phillips Petroleum Co. Conversion of hydrocarbons. 2,868,855, 1-13-59, Cl. 260-678.
- Begley, John W., to Phillips Petroleum Co. Polymerization catalyst feed control. 2,917,465, 12-15-59, Cl. 252-430.
- Bégue, René J. F. J. Garden implement. 2,887,337, 5-19-59, Cl. 294-55.
- Beham Co., The: See—
- Beets, James D. 2,917,186.
- Behles, Michael M.: See—
- Miller, Herbert J., Behles, and Clark. 2,904,366.
- Behling, Clarence R. Method and apparatus for product processing. 2,903,979, 9-15-59, Cl. 107-8.
- Behm, Carl M., and M. and S. Bushi. Roller skate wheel. 2,871,061, 1-27-59, Cl. 301-53.
- Behm, Harold J., and W. Hecox, to J. P. Hayden. Direction finder for automobile headlighting system. 2,878,396, 3-17-59, Cl. 250-233.
- Behn, Eugene A., to The Dow Chemical Co. Production of acetylenic diols. 2,871,273, 1-27-59, Cl. 260-635.
- Behnen, William B., to International Harvester Co. Planter. 2,871,805, 2-3-59, Cl. 111-77.
- Behnisch, Robert: See—
- Helferich, Burckhardt, and Behnisch. 2,916,489.
- Behnke, Edward R.: See—
- Devonshire, William H., and Behnke. 2,887,213.
- Devonshire, William H., and Behnke. 2,895,290.
- Behnke, George W., and R. G. Westcott, to Simplicity Engineering Co. Washing and degreasing apparatus. 2,918,926, 12-29-59, Cl. 134-130.
- Behr, Eldon A., to Chapman Chemical Co. Wood preservative grease. 2,904,467, 9-15-59, Cl. 167-38.7.
- Behr, Frederick A., to North American Philips Co. Analysis of materials by X-rays. 2,890,344, 6-9-59, Cl. 250-53.
- Behr, Joseph L., to Vickers, Inc. Power transmission. 2,892,092, 6-23-59, Cl. 250-206.
- Behre, Johannes, and I. Williams, to J. M. Huber Corp. Vaporization process and furnace for producing fine inorganic pigments. 2,873,919, 2-17-59, Cl. 241-23.
- Behrend, William L., to Radio Corp. of America. Television test signal generator and method of use. 2,881,388, 4-7-59, Cl. 324-57.
- Behrendt, John G. Automobile hat rack. 2,916,149, 12-8-59, Cl. 211-31.
- Behrendt, Roy P. Alarm device. 2,886,804, 5-12-59, Cl. 340-227.
- Behrens, Heinz, and W. Mahfeldt; said Mahfeldt assor, to Friedrich Uhde, G.m.b.H. Apparatus for the vibrational treatment of material of a nature ranging from granular to pulverulent nature. 2,882,024, 4-14-59, Cl. 259-1.
- Behrens, Herbert C., and C. D. Graber, to Diebold, Inc. Elevator filing appliance. 2,912,118, 11-10-59, Cl. 211-121.
- Behrens, Hugh C.: See—
- Hart, Porter, and Behrens. 2,895,102.
- Behrens, Otto K., and P. W. Ensminger, to Eli Lilly and Co. Pertussis vaccine preparation. Re. 24,748, 12-15-59, Cl. 167-78.
- Behrens, William H. Sharpener for leads of pencils or the like. 2,914,030, 11-24-59, Cl. 120-96.
- Behring, Hans, to Kieler Howaldtswerke A.G. Fishing vessel. 2,898,695, 8-11-59, Cl. 43-8.
- Behrman, Elza. Flexible, extensible, and collapsible textile fabric tube. 2,897,603, 8-4-59, Cl. 34-99.
- Behrman, Marshall: See—
- Malcom, Glen, and Behrman. 2,885,898.
- Behrstock, Alfred, to L. Behrstock & Co. Press plate assembly. 2,910,791, 11-3-59, Cl. 38-66.
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- Belderbecke, Charles H., to International Business Machines Corp. Carriage tension release mechanism. 2,872,011, 2-3-59, Cl. 197-62.
- Belier, Alice: See—
- Belier, Josef. 2,880,623.



- Beier, Alice, nee Siegenheim: See—  
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- Beier, Hans H.: See—  
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- Beier, Regine: See—  
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- Beierle, Gottfried H. Self adjusting trousers hanger. 2,868,425, 1-13-59, Cl. 223-95.
- Beig, Willy: See—  
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- Belgaj, Jack M.: See—  
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- Bell, Richard L., H. A. Holmes, and A. J. Daniels, to Boeing Airplane Co. Sash and vibration table. 2,877,644, 3-17-59, Cl. 13-71.6.
- Beller, Jay M.: See—  
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- Beller, Jay M., R. R. Brendel, and G. J. Martin, to The National Drug Co. Muscle-relaxing tranquilizer compositions. 2,872,374, 2-3-59, Cl. 167-65.
- Beller, Jay M., and G. J. Martin, to The National Drug Co. Dimethylamino-reserpine. 2,872,377, 2-3-59, Cl. 167-67.
- Beller, Jay M., and G. J. Martin, to The National Drug Co. Analgesic compositions and method of inducing analgesia in animals therewith. 2,889,249, 6-2-59, Cl. 167-55.
- Belndorf, Arthur B., and H. D. De Witt, to The Chemstrand Corp. Polyester composition and process of making same. 2,878,201, 3-17-59, Cl. 260-30.4.
- Belinfest, Sidney, P. Adams, and H. Millus, to Berkeley Chemical Corp. Amino alkyl silicates. 2,885,419, 5-5-59, Cl. 260-44.8.
- Belser, Elmer H., and R. G. Kramer, to General Time Corp. Electric clock mechanism. 2,877,345, 3-10-59, Cl. 250-20.
- Belshline, Allen W. Flight track recorder. 2,916,202, 12-8-59, Cl. 235-58.
- Beisner, Karl. Process and tool for perforating ingots. 2,893,277, 7-7-59, Cl. 78-9.
- Beiswanger, John P. G., and J. W. Burnard, to General Aniline & Film Corp. Synergistic corrosion inhibiting composition for gasoline (dimer acid-agent 3577 H). 2,883,277, 4-21-59, Cl. 44-66.
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- Beltscher, Herbert R.: See—  
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- Beltz, Frank C. Rod finisher. 2,886,074, 5-12-59, Cl. 144-2.
- Bek, Heinrich, to Adolph Saurer Ltd. Injection nozzle including double check valve. 2,901,181, 8-25-59, Cl. 239-101.
- Bek, Norbert H. Resistance welding equipment. 2,883,516, 4-21-59, Cl. 219-89.
- Bekey, Andrew, to Genisco, Inc. Electric drive assembly. 2,896,143, 7-21-59, Cl. 318-197.
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- Belamin, Michael, to Siemens-Schuckertwerke A.G. Flux reversal circuit for rectifiers. 2,880,386, 3-31-59, Cl. 321-48.
- Belamin, Michael, to Siemens-Schuckertwerke A.G. Flux reversal circuit for rectifiers. 2,880,387, 3-31-59, Cl. 321-48.
- Belanger, Edgar E. Blind dowel extractor. 2,916,813, 12-15-59, Cl. 29-256.
- Belanger, William J., to Devco & Reynolds Co., Inc. Polyepoxide-polyalkylene glycol-anhydride compositions and processes for their preparation. 2,908,660, 10-13-59, Cl. 260-32.8.
- Belanger, William J., J. E. Masters, and D. D. Hicks, to Devco & Reynolds Co., Inc. Modified epoxide resins. 2,906,664, 10-13-59, Cl. 260-42.
- Belar, Herbert: See—  
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- Belcher, David D. Paint roller cleaner. 2,895,154, 7-21-59, Cl. 15-121.3.
- Belcon Importing Co.: See—  
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- Belden Mfg. Co.: See—  
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- Belden, Nadine. Interior automobile folding table. 2,868,600, 1-13-59, Cl. 311-92.
- Belek, Emil, H. A. Milloche, and H. G. Reimels, to Bell Telephone Laboratories, Inc. Mounting and connecting apparatus. 2,872,624, 2-3-59, Cl. 317-99.
- Belezos, Stratis G., to The Murray Co. of Texas, Inc. Speed-varying apparatus. 2,917,947, 12-22-59, Cl. 74-640.
- Belgioloso, Gaetano: See—  
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- Bellisle, Adelard J. Reclining chair mechanism. 2,869,616, 1-20-59, Cl. 155-106.
- Bellisle, Adelard J. Reclining chair. 2,917,106, 12-15-59, Cl. 155-106.
- Bell, Earl H. Automobile carpet. 2,909,234, 10-20-59, Cl. 180-90.6.
- Bell, Wilber C., and H. W. Grotewold, to Food Machinery and Chemical Corp. Apparatus for handling boxes. 2,883,078, 4-21-59, Cl. 214-306.
- Bell, Wilber C., and H. W. Grotewold, to Food Machinery and Chemical Corp. Box handling device. 2,901,138, 8-23-59, Cl. 214-314.
- Bell, Wilber C., and E. F. Frost, Jr., to Food Machinery and Chemical Corp. Concentrated beverage reconstitutor. 2,905,449, 9-22-59, Cl. 259-24.
- Belke, Ralph T. Fishing rigs. 2,897,622, 8-4-59, Cl. 43-7.
- Belkin, Harold M.: See—  
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- Belkowski, Jerry, and W. S. Hockey, to Massey-Ferguson Inc. Auxiliary threshing and conveying unit. 2,875,768, 3-3-59, Cl. 130-27.
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- Bell, Alan: See—  
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- Bell, Alan, to Foster Wheeler Corp. Pressure safety device. 2,895,492, 7-21-59, Cl. 137-68.
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- Bell Aircraft Corp.: See—  
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- Bell, Bennett C. Headlight beam indicator. 2,914,701, 11-24-59, Cl. 315-82.
- Bell, Charles R., E. S. Wassel, and M. J. Shoelson, to United States of America, Navy. Cartridge ram link. 2,870,682, 1-27-59, Cl. 89-35.
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- Bell, Francis J., and J. O. Stoddart, to The Allen Iron & Steel Co. Storage rack. 2,918,176, 12-22-59, Cl. 211-143.
- Bell, George W., to Northwestern Steel & Wire Co. Continuous method for conditioning wire. 2,913,354, 11-17-59, Cl. 117-49.
- Bell & Gossett Co.: See—  
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- Bell, Harvey D. Billiard table meter. 2,891,618, 6-23-59, Cl. 161-12.
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- Bell, Ian C. M., to Imperial Chemical Industries Ltd. Soldering. 2,885,530, 5-5-59, Cl. 219-85.
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- Bell, John, to Muirhead & Co. Ltd. Control apparatus for the stabilization of ships. 2,901,996, 9-1-59, Cl. 114-122.
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- Bell, John B., Jr., V. A. Currier, and J. D. Malkemus, to Jefferson Chemical Co., Inc. Method for preparing glycerol carbonate. 2,915,529, 12-1-59, Cl. 260-340.2.
- Bell, John B., Jr., and V. A. Currier, to Jefferson Chemical Co., Inc. Method for preparing alkylene glycol dicarbamate. 2,915,550, 12-1-59, Cl. 260-482.
- Bell, John F., to Zenith Radio Corp. Ultra high frequency channel strip for turret tuner, including tunable elements. 2,908,814, 10-13-59, Cl. 250-20.

- Bell, John M., to Panellit, Inc. Calibrating circuit for current measuring systems. 2,874,354, 2-17-59, Cl. 324-130.
- Bell, John S., to United States of America, Atomic Energy Commission. Ion accelerator. 2,904,720, 9-15-59, Cl. 315-534.
- Bell, John W., Jr. Apparatus for processing tobacco. 2,896,797, 7-28-59, Cl. 214-3.5.
- Bell, Joseph L., and R. Meinke, to Sears, Roebuck and Co. Lamp. 2,901,596, 8-25-59, Cl. 240-81.
- Bell, Keith L., to J. Atkins, to B. P. Fishburne, Jr., and to R. C. Sullivan. Solar powered toy boat. 2,881,558, 4-14-59, Cl. 46-95.
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- Bell, Leo R., and R. L. Holloway, to American Machine & Foundry Co. Self-leveling, storing and dispensing apparatus. 2,896,790, 7-28-59, Cl. 211-49.
- Bell, Leo R., and G. Panuline, to American Machine & Foundry Co. High speed wrapping machine. 2,918,772, 12-29-59, Cl. 53-228.
- Bell, Locklin S.: See—  
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- Bell, Locklin S., to General Electric Co. X-ray tube. 2,885,582, 5-5-59, Cl. 313-55.
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- Bell, Norton W., to Consolidated Electrodynamics Corp. Digital-to-analog converter. 2,892,147, 6-23-59, Cl. 323-79.
- Bell, Norton W., to Consolidated Electrodynamics Corp. Floating power supply circuit. 2,895,059, 7-14-59, Cl. 307-105.
- Bell, Norton W., to Consolidated Electrodynamics Corp. Ring counter. 2,914,710, 11-24-59, Cl. 317-140.
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- Bell Punch Co. Ltd.: See—  
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- Bell, Richard S.: See—  
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- Bell, Richmond T., to The Pure Oil Co. Preparation of catalysts for methanethiol synthesis. 2,874,129, 2-17-59, Cl. 252-454.
- Bell, Robert E., to Toledo Scale Corp. Universal weight cut-off device. 2,918,246, 12-22-59, Cl. 249-14.
- Bell, Robert E., and C. S. Simonds, to Toledo Scale Corp. Electronic counter readout device. 2,889,546, 6-2-59, Cl. 340-316.
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 electric batteries. 2,892,006, 6-23-59, Cl. 136-168.  
 Belsey, Frederick H., and C. D. M. Johnston, to Metropolitan-  
 Vickers Electrical Co. Ltd. Dynamo-electric control system  
 employing saturable core reactance devices. 2,885,624,  
 5-5-59, Cl. 322-28.  
 Belshaw, Thomas E. Powered dough former. 2,881,716,  
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 Belsky, Fred J., and A. A. Blanck. Flow control unit. 2,879-  
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 Belsterling, Charles A., to F. J. Stokes Corp. Motor control  
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 Bayer Aktiengesellschaft. Process for purifying chlorine.  
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 Boler, Leonard J. 2,918,072.  
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 Scripture, Edward W., Jr., Benedict, and Jacox. 2,868,659.  
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 Benesi, Hans A., Y. P. Sun, E. S. Loeffler, and K. D. Detling, to Shell Development Co. Stabilized pesticidal compositions. 2,868,688, 1-13-59, Cl. 167-42.  
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 Benink, Christiaan J. M., and K. Kleemann, to G. M. Pfaff, A.-G. Cutting device for sewing machine. 2,893,335, 7-7-59, Cl. 112-125.  
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 Benisch, Mortimer. Motor-vehicle air-conditioning system. 2,895,310, 7-21-59, Cl. 62-239.  
 Benjamin, Harry. Crystal structure device. 2,882,616, 4-21-59, Cl. 35-18.  
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 Benjamin, Howard. Insulated lever-means for a ratchet wrench. 2,875,658, 3-3-59, Cl. 81-63.  
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 Bennett, Albert L., to Pacific Clay Products. Method of burning sewer pipe and the like. 2,912,741, 11-17-59, Cl. 25-157.  
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 Bennett, Andrew E., to Worthington Corp. Digester control systems. 2,909,239, 10-20-59, Cl. 153-61.  
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 Bennett, Ernest E.: See—  
 Digheba, George, and Bennett. 2,910,320.  
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 Bennett, George E., and M. D. Cameron, to Monsanto Chemical Co. Conjugated diacetylenic glycol esters. 2,889,356, 6-2-59, Cl. 260-475.  
 Bennett, Herbert F., to American Can Co. Cup dispenser. 2,877,403, 3-10-59, Cl. 221-44.  
 Bennett, Herbert F., to American Can Co. Cup dispenser unit. 2,885,113, 5-5-59, Cl. 221-34.  
 Bennett, Herbert L., and H. Hill, to American Can Co. Base-type holder for paper containers. 2,910,219, 10-27-59, Cl. 229-1.5.  
 Bennett, Herbert S., to Dynamic Electronics-New York, Inc. Electromagnetic delay lines. 2,892,162, 6-23-59, Cl. 333-29.  
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 Bennett, Latham S. Pencil point cleaner. 2,899,932, 8-18-59, Cl. 120-108.  
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 Bennett Respiration Products, Inc.: See—  
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 Bennett, Robert H. Rotary plug valve. 2,868,176, 1-13-59, Cl. 121-46.5.  
 Bennett, Robert R., to Hughes Aircraft Corp. Electrical analog to digital converter. 2,896,198, 7-21-59, Cl. 340-347.  
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 Bennett, Samuel L. Scabbard for emergency kit knife. 2,910,216, 10-27-59, Cl. 224-2.  
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 Bennett, Walter, and K. O. Dohman, to Utility Trailer Mfg. Co. Retractable sliding door. 2,876,504, 3-10-59, Cl. 20-23.  
 Bennett, Wilford G.: See—  
 Stamm, Joseph S., and Bennett. 2,909,631.  
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 Benning, Wilbert O. Running gear for houses and the like. 2,869,890, 1-20-59, Cl. 280-106.5.  
 Benninga, Noach, J. E. Johnston, Jr., R. T. Lynch, P. W. Markwood, and R. L. Parks, to American Enka Corp. Manufacture of staple fiber. 2,908,944, 10-20-59, Cl. 19-32.  
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 Benno, Edward L., to International Harvester Co. Differential brake. 2,884,811, 5-5-59, Cl. 74-711.  
 Beno, Joseph H., to Hughes Aircraft Co. Process for post-curing thermosetting plastics. 2,913,770, 11-24-59, Cl. 18-48.  
 Benoit, Josef, to Walther & Cie Aktiengesellschaft. Filters. 2,918,137, 12-22-59, Cl. 183-7.  
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 Bensen, Igor B. Landing gear for helicopters. 2,905,410, 9-22-59, Cl. 244-17.17.  
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 Bensky, Lowell S., and S. M. Fillebrown, to Radio Corp. of America. Reversible counting system. 2,880,934, 4-7-59, Cl. 235-92.  
 Bensman, Oliver W. Detachable baseboards. 2,887,739, 5-26-59, Cl. 20-74.  
 Benson, Albin N. Dummy cartridge. 2,882,821, 4-21-59, Cl. 102-41.  
 Benson, Alfred B., and W. D. Thorne, to International Business Machines Corp. Predetermined code switching device. 2,919,427, 12-29-59, Cl. 340-164.  
 Benson, Anna M. Brassiere. 2,875,764, 3-3-59, Cl. 128-477.  
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 Benson, Custer R., to B & J Mfg. Co. Vise for supporting a pipe during caulking. 2,887,918, 5-26-59, Cl. 81-19.  
 Benson, Don O., to Toro Mfg. Corp. of Minnesota. Blade hanger. 2,886,117, 5-12-59, Cl. 172-545.  
 Benson, Don O., H. E. Kroll, and J. K. Chou, to Toro Mfg. Corp. of Minnesota. Centrifugal cutter assembly. 2,877,619, 3-17-59, Cl. 56-295.  
 Benson, Donald O., to Toro Mfg. Corp. Reel-type mower. 2,869,309, 1-20-59, Cl. 56-249.  
 Benson, Donald O., to Toro Mfg. Corp. of Minnesota. Extruded cutter reels for mowers and the like. 2,869,310, 1-20-59, Cl. 56-294.  
 Benson, Donald O., to Toro Mfg. Corp. Coupling for connecting rotary elements such as rotary mower blades with source of power. 2,870,616, 1-27-59, Cl. 64-27.  
 Benson, Haskell, to The Benson Co., Inc. Child's saddle stool. 2,871,014, 1-27-59, Cl. 272-1.  
 Benson, Homer E., and J. H. Field, to United States of America, Interior. Method for separating CO<sub>2</sub> and H<sub>2</sub>S from gas mixtures. 2,886,405, 5-12-59, Cl. 23-3.  
 Benson, Howard H. J., Jr.: See—  
 Dement, James F., Benson, and Niemeyer. 2,867,915.  
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- Benson, John H., to American Radiator and Standard Sanitary Corp. Cold extrusion of bearing races. 2,913,811, 11-24-59, Cl. 29-148.4.
- Benson, Leonard E., and T. Raine, to Metropolitan-Vickers Electrical Co. Ltd. Sealing glands for rotating machines. 2,907,595, 10-6-59, Cl. 286-10.
- Benson, Marvin. Overload safety device. 2,888,083, 5-26-59, Cl. 172-3.
- Benson, Norman D. Automatic bottle decapper. 2,913,937, 11-24-59, Cl. 81-3.2.
- Benson, Norman E., to The Acme Wire Co. Plug-in assembly unit for printed circuits and the like. 2,912,625, 11-10-59, Cl. 317-101.
- Benson, Ralph A., 1/4 to R. J. Novotny. Toy jet projectile. 2,870,570, 1-27-59, Cl. 46-86.
- Benson, Ralph A., 1/2 to R. J. Novotny. Toy jet missile. 2,879,624, 3-31-59, Cl. 46-89.
- Benson, Ralph A., and R. J. Novotny, 33 1/4% to J. J. McGlew. Vehicle burglar alarm. 2,892,181, 6-23-59, Cl. 340-64.
- Benson, Richard E., to E. I. du Pont de Nemours and Co. Synthesis of alpha-methylene carboxylic acid esters from allene, carbon monoxide and an alcohol with iron or ruthenium carbonyl catalysts. 2,871,262, 1-27-59, Cl. 260-486.
- Benson, Richard E., to E. I. du Pont de Nemours and Co. Reaction products of 1,2,4-trimethylencyclohexane with alpha, beta-ethylenically unsaturated compounds, their preparation and homopolymers thereof. 2,894,936, 7-14-59, Cl. 260-78.4.
- Benson, Russell R. Curtain wall framing. 2,914,145, 11-24-59, Cl. 189-1.
- Benson, Vaul: See—
- Greene, Robert Z., Benson, and Spillman. 2,871,081.
- Benson, Walter F. Paving apparatus. 2,867,886, 1-13-59, Cl. 25-118.
- Benson, Wayne A. Hair cutting device. 2,915,070, 12-1-59, Cl. 132-45.
- Benson's Anchors, Inc.: See—
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- Benstein, Arthur R., to Stewart-Warner Corp. Hose reel. 2,907,534, 10-6-59, Cl. 242-86.
- Bent, Arthur J., to Westinghouse Air Brake Co. Pulsation dampener device. 2,867,240, 1-6-59, Cl. 138-30.
- Bent, John H.: See—
- Barnes, James F., and Bent. 2,888,826.
- Bent, John H., to Gardner-Denver Co. Power operated tool with fluid pressure actuated positive feed. 2,869,403, 1-20-59, Cl. 77-34.4.
- Benteler-Werke Akt.: See—
- Renry, Walter, and Lastering. 2,879,092.
- Bentley, A., & Sons Co.: See—
- Bentley, Anderson L., Jr. 2,890,576.
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- Halford, Frank B., Cleaver, and Preece. 2,887,456.
- Halford, Frank B., and Snell. 2,880,577.
- Bentley, Alfred M., L. Garratt, and C. A. Smith, to United Shoe Machinery Corp. Machines for operating on blanks of ceramic ware. 2,895,205, 7-21-59, Cl. 25-24.
- Bentley, Anderson L., Jr., to A. Bentley & Sons Co. Torque transmitting assembly. 2,890,576, 6-16-59, Cl. 64-1.
- Bentley Engineering Co. Ltd., The: See—
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- Deans, Frederick E., Widdowson, and Davis. 2,888,813.
- Wainwright, Carlyle H. 2,916,898.
- Bentley, George P., G. C. McNabb, and E. L. Lewis, to Instrument Development Laboratories, Inc. Hermetically sealed rotary switches. 2,918,542, 12-22-59, Cl. 200-28.
- Bentley, James S., to Teleflex Inc. Mechanical remote controls. 2,902,877, 9-8-59, Cl. 74-422.
- Bentley, John H.: See—
- Halford, Frank B., Cleaver, and Preece. 2,887,456.
- Halford, Frank B., and Snell. 2,880,577.
- Bentley John W. Pepper mill for table use and the like. 2,876,956, 3-10-59, Cl. 241-169.
- Bentley, Robert F., to General Motors Corp. Single indicator air gauge circuit. 2,897,670, 8-4-59, Cl. 73-37.8.
- Bentley, Robert H., to The Arrow-Hart & Hegeman Electric Co. One-piece screwless wire terminal and contact for duplex electric receptacles. 2,890,436, 6-9-59, Cl. 339-258.
- Bentley, Robert H., and J. E. Aspinwall, to The Arrow-Hart & Hegeman Electric Co. Single-button actuated slow make and break switch. 2,885,515, 5-5-59, Cl. 200-156.
- Benton, Bruce M., to Boeing Airplane Co. Bi-stable flip-flops. 2,913,599, 11-17-59, Cl. 307-88.5.
- Benton, Bruce M., and R. P. Jenkins, to Boeing Airplane Co. Frequency control device for generators. 2,896,150, 7-21-59, Cl. 322-61.
- Benton, Charles H., Jr., to Eastman Kodak Co. Vitamin A aldehyde derivative. 2,907,761, 10-6-59, Cl. 260-240.
- Benton, Herbert O. Measuring and dispensing device. 2,898,011, 8-4-59, Cl. 222-365.
- Benton, Joseph H. False flooring system. 2,867,301, 1-6-59, Cl. 189-34.
- Benton, Paul B. Hand-operated, combination snow shovel and plow tool. 2,919,153, 12-29-59, Cl. 294-51.
- Bentz, Belvy W. Boat trailer. 2,914,200, 11-24-59, Cl. 214-84.
- Bentz, Carlos W. Non-choke mower guard shoe. 2,872,771, 2-10-59, Cl. 56-314.
- Bentzman, Louis: See—
- Tone, John W., and Bentzman. 2,885,527.
- Bentzman, Louis, to Saxony Electronics, Inc. Electrical switch. 2,885,499, 5-5-59, Cl. 200-5.
- Benway, Robert E., to Radio Corp. of America. Plural gun cathode ray tube. 2,887,598, 5-19-59, Cl. 313-70.
- Benyak, John B., to The Osborn Mfg. Co. Stock picker. 2,871,060, 1-27-59, Cl. 300-7.
- Benyak, John B., to The Osborn Mfg. Co. Trimming machine. 2,918,327, 12-22-59, Cl. 300-17.
- Benz, August, to Benz Spring Co. Leaf spring with pre-stressed rubber inserts. 2,882,043, 4-14-59, Cl. 267-47.
- Benz, Fred P.: See—
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- Benz, Walter, and F. Henninger, to Motoren-Werke Mannheim A.G. vorm. Benz Abt. Stat. Motorenbau. Remote control apparatus for reversible internal combustion engines. 2,911,960, 11-10-59, Cl. 123-41.
- Benziger, Theodore M., to United States of America. Atomic Energy Commission. Graphite extrusions. 2,870,031, 1-20-59, Cl. 106-56.
- Benzon-Petersen, Boye, to Aktiebolaget Akerlund & Rausing. Device for producing containers sealed with covers. 2,867,159, 1-6-59, Cl. 93-36.
- Benzon-Petersen, Boye, to Aktiebolaget Akerlund & Rausing. Cartons. 2,886,231, 5-12-59, Cl. 229-14.
- Beohner, Harry L., and D. Miller, Jr., to Pfaunder Permutit Inc. Filtering apparatus and method of operating same. 2,879,891, 3-31-59, Cl. 210-80.
- Beretto, Joseph J. Vehicle seat mounting units. 2,892,482, 6-30-59, Cl. 155-9.
- Beovides, J. Real. Clothes drying appliance. 2,889,938, 6-9-59, Cl. 211-94.
- Beran, Karel: See—
- Burger, Mikulas, Beran, and Fench. 2,890,958.
- Beranek, Leo L., to General Dynamics Corp. Muffler. 2,900,235, 10-20-59, Cl. 181-42.
- Beranek, Milan: See—
- Pospisil, Zdenek, and Beranek. 2,912,649.
- Berardinelli, Anthony J. Money holders for motor vehicles. 2,806,892, 7-28-59, Cl. 248-205.
- Berardinelli, Frank, to Celanese Corp. of America. Polyvinyl butyral. 2,915,504, 12-1-59, Cl. 260-73.
- Berce, William. Can holding device. 2,902,310, 9-1-59, Cl. 294-33.
- Berchold, Max, to I-T-E Circuit Breaker Co. Aerodynamic wave machine functioning as a compressor and turbine. 2,867,981, 1-13-59, Cl. 60-39.45.
- Bercovitz, Bernard: See—
- Meredew, George C. 2,912,004.
- Meredew, George C., Moore, and Smedley. 2,879,716.
- Bercovitz, Nathaniel, Jr., to Collins Radio Co. Increase of coupling to mechanical filter end discs to improve response. 2,918,634, 12-22-59, Cl. 333-71.
- Berdner, John T., to Aquatic Products Corp. Water jet amusement device. 2,869,874, 1-20-59, Cl. 273-119.
- Bereman, John W. Folding cot. 2,888,688, 6-2-59, Cl. 5-111.
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- Beresford, Hobart, and D. L. Calderwood, to Iowa State College Research Foundation, Inc. Control mechanism. 2,913,188, 11-17-59, Cl. 241-35.
- Beretta, Jeanne: See—
- Miller, William H., and Alexander. 2,910,383.
- Berezin, Evelyn, to Underwood Corp. Data processing system. 2,913,176, 11-17-59, Cl. 235-157.
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- Berg, Forrest O., to Rectifical Corp. Combined window and screen assembly. 2,874,423, 2-24-59, Cl. 20-56.5.
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- Berg, Helmut, to Teves, Altdorf, Maschinen-und Armaturenfabrik K.G. Piston ring for internal combustion engines and the like. 2,872,258, 2-3-59, Cl. 309-46.
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- Berg, John A., Sr.: See—
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- Berg, Manfred V. Process for resistance welding of cast iron. 2,880,303, 3-31-59, Cl. 219-100.
- Berg, Milford E., to A. O. Smith Corp. Contact tube for arc welding unit. 2,909,645, 10-20-59, Cl. 219-130.
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- Berg, Quentin. Apparatus for applying terminals by crimping and severing lead terminal from connecting strip without severing said strip. 2,897,870, 8-4-59, Cl. 153-1.
- Berg, Richard D., to Western Electric Co., Inc. Method of and apparatus for assembling and filling platens. 2,884,748, 5-5-59, Cl. 53-24.
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- Berg, Rudolph G., to Chas. Pfizer & Co., Inc. N-nitrosopiperazine. 2,907,767, 10-6-59, Cl. 260-268.
- Berg, Victor H.: See—
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- Bergdal, Ed. Set-back concrete-form tie with re-usable anchor pieces. 2,871,342, 2-3-59, Cl. 25-131.
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- Jacobaeus, Anton C., and Berge. 2,913,529.
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- Bergenheim, Karl, Andersson, and Bergenheim. 2,867,433.
- Berger, Alexandre. Motor driven conveyor roller. 2,915,167, 12-1-59, Cl. 198-127.
- Berger, Arvid W.: See—
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- Wolfe, Morton B. 2,899,157.
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- Berger, Charles V., and C. F. Gerald, to Universal Oil Products Co. Conversion process and apparatus therefor. 2,918,425, 12-22-59, Cl. 208-143.
- Berger, Christian D. Color television system and apparatus. Re. 24,688, 8-18-59, Cl. 178-5.4.
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- Berger, Christian D., to Polytechnic Research & Development Co., Inc. Interpolating indicators. 2,912,957, 11-17-59, Cl. 116-124.1.
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- Berger, Donald E., to Phillips Petroleum Co. Control system for separation processes. 2,885,863, 5-12-59, Cl. 62-32.
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- Berger, Elizabeth A. P.: See—
- Berger, Hugo. 2,883,244.
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- Greenwood, Ivan A., Jr., and Berger. 2,914,763.
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- Berger, Lisa: See—
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- Berger, Netardus N., to Hughes Aircraft Co. Connecting means for etched circuitry. 2,889,393, 6-2-59, Cl. 174-84.
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- Bergeron, Edward J. Fence construction. 2,918,261, 12-22-59, Cl. 256-24.
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- Berglund, Nils K. E. Polarised relay. 2,882,459, 4-14-59, Cl. 317-196.
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- Berkley, Carl, to Allen H. Du Mont Laboratories, Inc. Video display device. 2,909,599, 10-20-59, Cl. 178-6.8.
- Berkley Machine Co.: See—
- Winkler, Richard, and Dunnebler. 2,917,884.
- Berkovits, Hani. Combination radio-camera. 2,913,971, 11-24-59, Cl. 95-12.
- Berkowitz, Bernard, to Sperry Rand Corp. Center-fed annular scanning antenna. 2,875,439, 2-24-59, Cl. 343-754.
- Berkowitz, Bernard D., to Microwave Associates, Inc. Shutter for waveguides. 2,897,458, 7-28-59, Cl. 333-13.
- Berkshire Knitting Mills: See—
- Bellman, Elwood P. 2,887,860.
- Berkshire Mfg. Co., The: See—
- Cannon, Edward S., and Lash. 2,874,848.
- Berkson Products, Inc.: See—
- Pinkerson, Albert S. Re. 24,661.
- Berky, Richard K., to Sperry Rand Corp. Slip clutch. 2,901,899, 9-1-59, Cl. 64-30.
- Berlenbach, Wilhelm: See—
- Graulich, Wilhelm, Schmitz, Berlenbach, and Muller. 2,897,101.
- Berlin, Daniel. Child's sit or stand car seat. 2,888,061, 5-26-59, Cl. 155-11.
- Berlin, Daniel. Multi-tier laundry cart. 2,901,262, 8-25-59, Cl. 280-41.
- Berlin, Daniel. Guard for child's bed. 2,904,799, 9-22-59, Cl. 5-331.
- Berliner, Abraham, and B. Carroll. Diatomic iodine-hypodous acid generating compositions. 2,904,470, 9-15-59, Cl. 167-76.
- Berliner, Henry A., to ACF Industries, Inc. Bomb casing for liquid and semi-liquid materials. 2,903,968, 9-15-59, Cl. 102-2.
- Berliner, Julius F. T. Fiber board and process of making same from desert shrubs. 2,898,260, 8-4-59, Cl. 162-11.
- Berliner Maschinenbau A.G. vormalis L. Schwartzkopf: See—
- Dienner, Richard. 2,901,917.
- Müller, Friedrich. 2,881,585.
- Berliner, Victor H.: See—
- Mende, William C., and Berliner. 2,889,250.
- Berliner, Victor R., and H. O. Slinger, to Ortho Pharmaceutical Corp. Method of controlling brucellosis. 2,915,437, 12-1-59, Cl. 167-78.
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- Berlinghoff, Franz, to North American Phillips Co., Inc. Radio receiver antenna switching device. 2,890,450, 6-9-59, Cl. 343-100.
- Berlyn, Martin J., to Dominion Engineering Works Ltd. Method and apparatus for forming an aqueous suspension of pulp fibres into a sheet. 2,882,966, 4-21-59, Cl. 162-212.
- Berls, Robert J., to Armour and Co. Treatment of fabric with alkenylsuccinic acids and anhydrides to impart water repellency. 2,903,882, 9-8-59, Cl. 117-143.
- Berlyn, Martin J., to Dominion Engineering Works Ltd. High-speed roll press for extracting water from a wet web. 2,885,954, 5-12-59, Cl. 106-160.
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- Berman, Aaron R. Carrier. 2,884,977, 5-5-59, Cl. 150-5.
- Berman, Bertha. Fitted bed sheet construction. 2,907,055, 10-6-59, Cl. 5-334.
- Berman, Issy, assigned to R. Berman. Auxiliary fan attachment. 2,878,991, 3-24-59, Cl. 230-259.
- Berman, Martin, and L. C. Pine. Plug-in portable telephone system. 2,868,879, 1-13-59, Cl. 179-1.
- Berman, Rosalie: See—
- Beriman, Issy. 2,878,991.
- Bermingham, Arthur T., Jr., and G. P. Holthaus, to Columbia Envelope Co. Return envelope mailing piece. 2,907,514, 10-6-59, Cl. 229-73.
- Bermingham, Arthur T., Jr., and R. M. Procido, to Columbia Envelope Co. Return envelope construction. 2,910,222, 10-27-59, Cl. 229-73.
- Bermingham, Peter D. Seal for roller bearing unit. 2,878,084, 3-17-59, Cl. 308-187.1.
- Bermite Powder Co.: See—
- Calkins, Charles W. 2,875,959.
- McKnight, James T. 2,869,463.
- Bern, Oscar. Wheel construction. 2,890,910, 6-16-59, Cl. 301-9.
- Bernad, Jacques J., A. Novion, and M. J. Lablache-Comblor, to Societe Anonyme dite: Societe Auxiliaire de l'Entreprise "Auxen". Apparatus for stocking small logs and picking up same from a stock for loading vehicles. 2,870,925, 1-27-59, Cl. 214-147.
- Bernadt, William F.: See—
- Stafford, Linn T., and Bernadt. 2,896,311.
- Bernard, Arthur A., to Chemetron Corp. Arc welding process and apparatus. 2,902,587, 9-1-59, Cl. 219-74.
- Bernard, Edith E. Diaper-holding garment. 2,895,477, 7-21-59, Cl. 128-284.
- Bernard, Francois R. C., J. W. Wentworth, and A. C. Luther, Jr., to Radio Corp. of America. Color television test apparatus. 2,877,291, 3-10-59, Cl. 178-5.4.
- Bernard, Frank J. Connector for display furniture and scaffolding. 2,874,984, 2-24-59, Cl. 287-14.
- Bernard, George G.: See—
- Holbrook, Orrin C., and Bernard. 2,903,065.
- Bernard, George G., to The Pure Oil Co. Inhibiting precipitation of iron oxide from iron-containing waters. 2,894,905, 7-14-59, Cl. 210-58.
- Bernard, George G., to The Pure Oil Co. Method of treating oil well flooding waters to reduce sulfate-reducing bacteria concentration. 2,912,378, 11-10-59, Cl. 210-52.
- Bernard, Herbert J., and J. A. Morgan. Trailer hitch. 2,898,124, 8-4-59, Cl. 280-406.
- Bernard, James G. Bowling ball marker. 2,896,530, 7-28-59, Cl. 101-4.
- Bernardin Bottle Cap Co., Inc.: See—
- Dedman, Noel. 2,918,192.
- Bernardoni, Edwin A.: See—
- Bauer, Clifford D., Marks, and Bernardoni. 2,871,123.
- Bernas, René, and J. Druaux, to Commissariat a l'Energie Atomique and Centre National de la Recherche Scientifique. Apparatus for producing ions of a given element. 2,909,697, 10-20-59, Cl. 313-63.
- Bernbaum, Lester M. Regulated radio frequency operated high voltage power supply. 2,894,196, 7-7-59, Cl. 321-18.
- Berndt, Franz, and H.-G. Wendlandt, to Spinnfaser Akt. Process for purifying air. 2,899,267, 8-11-59, Cl. 23-4.
- Berndt, Franz, and W. Sonnenschein, to Spinnfaser Akt. Process for lubricating filaments. 2,904,454, 9-15-59, Cl. 117-139.5.
- Berner, Leo, to Aerojet-General Corp. Compressed air reciprocating vibrator. 2,894,488, 7-14-59, Cl. 121-30.
- Berner, Phillip J., to General Motors Corp. Steering wheel. 2,872,539, 2-3-59, Cl. 200-61.56.
- Berney, Joseph C. Rewinding apparatus. 2,877,612, 3-17-59, Cl. 53-118.
- Berney, William, and R. C. Brown. Cheese grater. 2,867,255, 1-6-59, Cl. 146-61.
- Bernhard, Hermann, W. Thoma, and H. Genth, to Farbenfabriker Bayer Aktiengesellschaft. Process of preserving carbohydrate-containing perishable material. 2,910,400, 10-27-59, Cl. 167-22.
- Bernhardt, Otto, to Rome Cable Corp. Apparatus for wiping conduit sections. 2,906,237, 9-29-59, Cl. 118-63.
- Bernhauer, Konrad, W. Friedrich, H. Dellweg, and E. Becher, to Aschaffenburg Zellstoffwerke Akt. Therapeutically valuable substances pertaining to the group of vitamins B<sub>9</sub>. 2,893,988, 7-7-59, Cl. 260-211.5.
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- Bernheim, Kurt. Process for the production of cereal starch. 2,883,309, 4-21-59, Cl. 127-67.
- Bernier, Gaston P. M., to Constructions Meca-Metalliques Chalonaises. Press. 2,882,815, 4-21-59, Cl. 100-52.
- Bernier, Jean, and T. Yeou, to Compagnie Generale de Telegraphie Sans Fil. Variable frequency reflex klystrons. 2,881,331, 4-7-59, Cl. 315-52.
- Berninger, Kenneth L., R. K. Skinner, and C. C. Covert, to General Motors Corp. Propeller control system. 2,916,094, 12-8-59, Cl. 170-160.21.
- Bernotas, Ralph J., to General Motors Corp. Leg type traction means. 2,878,882, 3-24-59, Cl. 180-8.
- Bernotas, Ralph J., to General Motors Corp. Combination accumulator and unloading valve. 2,880,746, 4-7-59, Cl. 137-207.
- Bernstein, A. M.: See—
- Gerber, Rudolph J. 2,867,907.
- Bernstein, Alfred, to Sperry Rand Corp. Accelerometer. 2,883,176, 4-21-59, Cl. 264-1.
- Bernstein, Alfred J.: See—
- Gerber, Rudolph J. 2,867,907.
- Bernstein, Allan C., 1/4 to N. A. Karr, and 1/4 to P. H. Seaman. Neutral relay. 2,881,365, 4-7-59, Cl. 317-171.
- Bernstein, Allan C., to Executone Inc. Multiple unit pile-up switch. 2,902,549, 9-1-59, Cl. 200-1.



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- Bernstein, Bernard, to Nuclear Corp. of America, Inc. Vacuum tube getter. 2,908,381, 10-13-59, Cl. 206-4.
- Bernstein, Elliot. Combined fuse and current limiting resistor. 2,873,327, 2-10-59, Cl. 200-135.
- Bernstein, Elliot. In-line fuse. 2,916,587, 12-8-59, Cl. 200-131.
- Bernstein, Isidor M.: See—  
Goland, Marc, Goland, Lew, and Bernstein. 2,872,347.
- Bernstein, Joseph D., to Beverly Development Corp. Slide fastener. 2,869,207, 1-20-59, Cl. 24-201.
- Bernstein, Nahum A.: See—  
Zepelovitch, Nathan. 2,874,679.  
Zepelovitch, Nathan. 2,874,732.
- Bernstein, Philip: See—  
Wechsler, Harry, Bernstein, and Herbst. 2,872,478.
- Bernstein, Richard K.: See—  
Gerber, Rudolph J. 2,867,907.
- Bernstein, Samuel M. Ventilating range hood. 2,912,919, 11-17-59, Cl. 98-115.
- Bernstein, Stanley, to Pratt & Whitney Co., Inc. Electronic read-out circuit. 2,905,898, 9-22-59, Cl. 324-103.
- Bernisson, Nils S. Process of preventing haze formation in beverages. 2,919,193, 12-29-59, Cl. 99-48.
- Bernyk, George S. Hose basket. 2,870,057, 1-27-59, Cl. 299-78.
- Beronio, Charles E., to The Sphere Co., Inc. Electric terminal unit. 2,904,622, 9-15-59, Cl. 174-153.
- Berquist, Leonard G., to National-Standard Co. Apparatus for coating and impregnating tubular fabrics. 2,874,411, 2-24-59, Cl. 18-13.
- Berrange, Aubrey R. Impact rolling or tamping machines for the compaction of loose materials, such as road surfaces. 2,909,106, 10-20-59, Cl. 94-48.
- Berres, Carl, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of aromatic hydroxy aldehydes. 2,903,483, 9-8-59, Cl. 260-600.
- Berreski, Walter P. Changeable color structural element. 2,902,726, 9-8-59, Cl. 20-4.
- Berrian, James H. Tubing pump. 2,915,983, 12-8-59, Cl. 103-149.
- Berridge, Charles A., to General Electric Co. Preparation of sponge rubber from high temperature mixed silicone rubber-silica composition. 2,875,163, 2-24-59, Cl. 260-2.5.
- Berry, Blanche. Shower control attachment in combination with a shower head. 2,893,648, 7-7-59, Cl. 239-490.
- Berry, Charles C., to James Lees and Sons Co. Offset blade pile wire for looms. 2,870,795, 1-27-59, Cl. 139-44.
- Berry, Clifford E., to Consolidated Electrodynamics Corp. Potentiometer apparatus. 2,894,197, 7-7-59, Cl. 323-79.
- Berry, Ernest V. Fluid electrical contact device and support therefor. 2,867,574, 1-6-59, Cl. 204-212.
- Berry, Francois J. B., deceased, by P. Berry, executor. Apparatus for sorting solid products by density. 2,903,132, 9-8-59, Cl. 209-44.
- Berry, Frank. Differential hydraulic pumps, motors and transmissions. 2,917,898, 12-22-59, Cl. 60-53.
- Berry, Frederick F. Tear strip remover. 2,919,049, 12-29-59, Cl. 220-52.
- Berry, George J.: See—  
Ayers, Edgar H., Berry, and Trusock. 2,911,053.
- Berry, Ira S.: See—  
Selby, Myron C., Alfred, Hudson, and Berry. 2,883,620.
- Berry, James W.: See—  
Mitchell, Reid L., Berry, and Bacon. 2,898,334.
- Berry, John C. Package forming machine. 2,870,589, 1-27-59, Cl. 53-197.
- Berry, Mary E.: See—  
Lyons, Joseph, Elmer, and Berry. 2,900,341.
- Berry, Paul: See—  
Berry, Francois J. B. 2,903,132.
- Berry, Raymond T., and G. M. Harwood. Safety apparatus for elevators. 2,868,332, 1-13-59, Cl. 187-29.
- Berry, Richard C., to Crouse-Hinds Co. Explosion proof switch housing. 2,872,552, 2-3-59, Cl. 200-172.
- Berry, Richard C., to Crouse-Hinds Co. Explosion proof switch housing. 2,886,675, 5-12-59, Cl. 200-168.
- Berry, Richard C., to Crouse-Hinds Co. Switch housing. 2,903,541, 9-8-59, Cl. 200-168.
- Berry, Robert E.: See—  
Lyons, Joseph, Elmer, and Berry. 2,900,341.
- Berry, Russell G. Cable joint seal. 2,890,268, 6-9-59, Cl. 174-152.
- Berry, Theodore M., to General Electric Co. Submerged object locating. 2,871,459, 1-27-59, Cl. 340-3.
- Berry, Thomas F., to United States Steel Corp. Method of retarding disintegration of blast-furnace lining. 2,912,740, 11-17-59, Cl. 25-153.5.
- Berry, Verne H.: See—  
Hulswit, William H., Jr., Berry, and Reid. 2,884,044.
- Berry, Virgil J., Jr., to Pan American Petroleum Corp. Asphalt plugging of gas zones. 2,876,840, 3-10-59, Cl. 166-22.
- Berry, William, R. A. Rose, C. H. Phillips, and C. R. Oswin, to British Cellophane Ltd. Production of moistureproof sheet wrapping materials coated with copolymers applied from aqueous dispersions. 2,910,385, 10-27-59, Cl. 117-138.8.
- Berry, Wm. B., Co.: See—  
Stern, Frank W., W. J. Wollenhaupt, Jr., and L. C. Wollenhaupt. Re. 24,722.
- Bersey, Edward R. Novelty cake and method of producing the same. 2,895,832, 7-21-59, Cl. 99-92.
- Berst Corp., The: See—  
Blackburn, Glen G. 2,885,840.
- Berst, Neil W.: See—  
Dvorkovitz, Vladimir, Berst, and Leist. 2,878,190.
- Bersworth, Frederick C., and M. Rubin, to The Dow Chemical Co. Prophylactic calcium chelate compositions for heavy metal poisoning. 2,875,129, 2-24-59, Cl. 167-55.
- Bertaux, Gerard, to Forges et Ateliers de Constructions Electriques de Jeumont. Electric cable joints. 2,882,333, 4-14-59, Cl. 174-90.
- Berthel, Gustave A. Magnetic display motor. 2,890,355, 6-9-59, Cl. 310-39.
- Berthelsen, Walter, and A. F. Whitehead, to Pneumatic Scale Corp., Ltd. Vacuum filling machine. 2,898,953, 8-11-59, Cl. 141-48.
- Berther, Clau, to Inventa A.-G. fuer Forschung und Patentverwertung. Process for the production of cyanocarbonic acid amides. 2,919,277, 12-29-59, Cl. 260-294.9.
- Berther, Clau, and J. Giesgen, to Inventa A.-G. fuer Forschung und Patentverwertung. Method of effecting hydrolysis of one of the two nitrile groups of aliphatic dinitriles. 2,913,478, 11-17-59, Cl. 260-465.4.
- Berthet, Francois: See—  
Desvaux, Jacques, and Berthet. 2,867,984.
- Berthiez, Charles W., to Societe Nouvelle de Construction de Machines-Outils et d'Outillages-Procédes C.W.B. Milling and boring machine. 2,897,706, 8-4-59, Cl. 82-2.
- Berthiez, Charles W., to Societe Nouvelle de Constructions de Machines-Outils et d'Outillages-Procédes C.W.B. Bracing device for overhanging machine member. 2,912,905, 11-17-59, Cl. 90-16.
- Berthiez, Frederick C. G., to Societe Anonyme des Anciens Etablissements Charles Berthiez. System for blocking and rotating a turret. 2,882,758, 4-21-59, Cl. 74-822.
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- Berthold, George H., M. B. Karelitz, and A. S. Manelb, to Olin Mathieson Chemical Corp. Apparatus for treating plastic material with electric glow discharge. 2,881,470, 4-14-59, Cl. 18-1.
- Berthold, Wolf, to Western Electric Co., Inc. Continuous strand takeup. 2,913,190, 11-17-59, Cl. 242-25.
- Berthold, Wolfgang, to International Standard Electric Corp. Signal storage tube. 2,918,601, 12-22-59, Cl. 315-12.
- Berti, Roland J., and D. C. Bettison. Switching systems and apparatus therefor. 2,898,452, 8-4-59, Cl. 246-134.
- Bertin, Daniel: See—  
Joly, Nominé, and Bertin. 2,888,473.
- Bertin, Jean: See—  
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Kadosch, Marcel, Paris, Bertin, and Marchal. 2,875,578.
- Bertin, Jean H.: See—  
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- Bertling, Ronald J., to McGraw-Edition Co. Wireholder for pipe mounting. 2,913,203, 11-17-59, Cl. 248-67.7.
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- Bertozi, Eugene R.: See—  
Fettes, Edward M., and Bertozi. 2,875,182.
- Bertram, John C., to Bertram Wire Products, Inc. Bending machine to form wire articles containing an offset. 2,869,612, 1-20-59, Cl. 153-34.
- Bertram, Karl, to C.-H. Muller. Apparatus for the automatic control of working operations at moving plate-like, sheet-like, or band-like electrically non-conductive material. 2,918,971, 12-29-59, Cl. 164-48.
- Bertram, Lillian D.: See—  
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- Bertram, William A. Trough hanger. 2,879,961, 3-31-59, Cl. 248-48.1.
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- Bertram, William A., deceased; L. D. Bertram, administratrix, to L. D. Bertram, by court decree. Display. 2,905,314, 9-22-59, Cl. 206-45.31.
- Bertram Wire Products, Inc.: See—  
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- Bertrand, Wallace A. Condition-responsive signalling device. 2,913,713, 11-17-59, Cl. 340-359.
- Bertsch, Hans, and E. Stein, to Friedrich Mauthe, G. m. b. H. Self-winding mechanism, more especially for wrist watches. 2,867,971, 1-13-59, Cl. 58-82.
- Bertsch, Joseph F., K. H. Hansen, and R. Schilling, to General Motors Corp. Air suspension leveling valve. 2,916,284, 12-8-59, Cl. 267-65.

- Bertschinger, Charles F., to Chart-Pak, Inc. Drafting instrument. 2,904,206, 9-15-59, Cl. 216-20.
- Bertuzzi, Andrew F., and M. R. Tek, to Phillips Petroleum Co. Cyclone gas anchor. 2,872,985, 2-10-59, Cl. 166-243.
- Besacker, Lester D. Tin can container opener. 2,880,502, 4-7-59, Cl. 30-16.
- Besler, Frederick C. Filter. 2,909,285, 10-20-59, Cl. 210-232.
- Besnard, Guy G., L. J. Briggs, and E. S. Walker, to United States of America, Air Force. Subject-matter trainer. 2,877,568, 3-17-59, Cl. 35-9.
- Besse, Celestine P.: See—  
Cnsagrande, Arthur, Besse, and Bigham. 2,895,301.
- Besse, Celestine P., to California Research Corp. Fender system for underwater drilling platforms. 2,915,879, 12-8-59, Cl. 61-48.
- Bessemer Securities Corp.: See—  
Balaguer, Rodolfo R. 2,903,499.
- Besser, Eli D.: See—  
Smith, Fred, Besser, and Montonna. 2,883,826.
- Bessette, Georges H. Stable cleaning device. 2,878,922, 3-24-59, Cl. 198-137.
- Bessette, Georges H. N. Automatic variable speed pulley. 2,900,834, 8-25-59, Cl. 74-230.17.
- Bessiere, Pierre E. Reciprocating pumps in particular in fuel injection pumps. 2,880,675, 4-7-59, Cl. 103-42.
- Bessleré, Pierre E., to Societe Anonyme Etablissements Labinal. Systems including slipping coupling means between a driving shaft and a driven shaft for generators. 2,900,594, 8-18-59, Cl. 322-32.
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- Bessiere, Pierre E. Internal combustion engine fuel injection systems. 2,917,034, 12-15-59, Cl. 123-139.
- Bessire, H. & J. J., S. A.: See—  
Bessire, Jean-Jacques. 2,882,474.
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- Best, Chris E.: See—  
Smith, William M., Jr., and Best. 2,875,168.
- Best, Chris E., to The Firestone Tire & Rubber Co. Constant color composition comprising vinylidene chloride-vinyl chloride copolymer and curcumin. 2,875,173, 2-24-59, Cl. 260-41.
- Best, Chris E., W. R. Hausch, and J. J. Robertson, to The Firestone Tire & Rubber Co. Polyurethane rubbers. 2,905,652, 9-22-59, Cl. 260-45.4.
- Best, Clarence A. Gear-actuated reciprocating valve construction. 2,917,273, 12-15-59, Cl. 251-248.
- Best, Donald T., to Burroughs Corp. Memory system. 2,910,671, 10-27-59, Cl. 340-174.
- Best Foods, Inc.: See—  
Meinick, Daniel, and Gooding. 2,874,055.
- Best, Frank E. Key-in-knob lock. 2,904,989, 9-22-59, Cl. 70-452.
- Best, Frank E. Lock with lock controlled assembly. 2,907,197, 10-6-59, Cl. 70-369.
- Best, John E., to Electric & Musical Industries Ltd. Safety circuits for cathode ray tubes. 2,912,617, 11-10-59, Cl. 315-20.
- Best, John H., & Sons, Inc.: See—  
Best, Leon H. 2,879,898.  
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- Best, Leon H., to John H. Best & Sons, Inc. Display stands. 2,880,879, 4-7-59, Cl. 211-45.
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- Best, Leon H., to John H. Best & Sons, Inc. Display stands. 2,907,468, 10-6-59, Cl. 211-46.
- Best, Leon H., to John H. Best & Sons, Inc. Winders. 2,914,954, 12-1-59, Cl. 74-16.
- Best, Luther L.: See—  
Penland, Lemuel R., Best, and Peachey. 2,903,195.
- Best Plastics Corp.: See—  
Lattuca, Sam T. 2,886,828.  
Lattuca, John J. 2,889,091.
- Best, Stanley G., to United Aircraft Corp. Filter device with coarse filter and self-cleaning fine filter. 2,868,382, 1-13-59, Cl. 210-295.
- Best, Stanley G., to United Aircraft Corp. Recirculating flow aircraft air conditioning system. 2,870,698, 1-27-59, Cl. 98-1.5.
- Best, Stanley G., to United Aircraft Corp. Synchronizer. 2,878,427, 3-17-59, Cl. 317-6.
- Best, Stanley G., to United Aircraft Corp. Hydromechanical fuel control for variable-pitch propeller power plant. 2,910,125, 10-27-59, Cl. 170-135.72.
- Beste, Harold E., to Allen B. Du Mont Laboratories, Inc. Synchronizing signal generator. 2,884,561, 4-28-59, Cl. 315-21.
- Beste, Lawrence F., to E. I. du Pont de Nemours and Co. Cellulose triacetate composition. 2,902,383, 9-1-59, Cl. 106-189.
- Bestenreiner, Franz. Copy holder. 2,905,145, 9-22-59, Cl. 120-34.
- Besterda, Louis: See—  
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- Bestian, Herbert, and E. Prinz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of liquid ethylene polymers. 2,907,805, 10-6-59, Cl. 260-683.15.
- Bestie Mfg. Co.: See—  
Laney, Willis G. 2,918,244.
- Bestler, Gerald M., and T. W. Miner, to Minneapolis-Honeywell Regulator Co. Method of processing semiconductor devices. 2,900,287, 8-18-59, Cl. 148-1.5.
- Beswick, Geoffrey E., and K. O. Ganguin, to Imperial Chemical Industries Ltd. Colour photographic process. 2,885,288, 5-5-59, Cl. 96-55.
- Beter, Ralph H., and M. Rubinoff, to Philco Corp. System for representing a time interval by a coded signal. 2,888,647, 5-26-59, Cl. 332-11.
- Bethea, Charles F., to Phillips Petroleum Co. Separation process. 2,903,441, 9-8-59, Cl. 260-96.5.
- Bethea Co., Inc.: See—  
Bethea, Malcolm. 2,885,167.  
Bethea, Malcolm, and Smith. 2,885,653.
- Bethea, Malcolm, to Bethea Co., Inc. Bundling yoke for connecting suspension clamps. 2,885,167, 5-5-59, Cl. 248-63.
- Bethea, Malcolm, and R. B. Smith, to Bethea Co., Inc. Electrical connector. 2,885,653, 5-5-59, Cl. 339-243.
- Bethge, Walther, to J. de Montmollin and R. Gugger. Method of producing electric sheet-type heater. 2,900,290, 8-18-59, Cl. 154-90.
- Bethke, John R.: See—  
McCauley, John H., and Bethke. 2,906,906.
- Bethlehem Apparatus Co., Inc.: See—  
Nieman, Chauncey W., and Lawrence. 2,911,035.
- Bethlehem Steel Co.: See—  
Bare, Conrad B., and Clauser. 2,879,137.  
Eberhardt, John E. 2,891,783.  
Heseltwood, James C. 2,913,694.  
Kelley, James H., and Eberhardt. 2,891,609.  
Kraner, Hobart M. 2,901,367.  
MacNaught, Donald F. 2,918,032.  
MacNaught, Donald F., and Jacobson. 2,901,279.  
Nieman, Henry W., and Maish. 2,888,901.  
Rechtin, Eberhardt C., and Steele. 2,913,880.  
Smidinger, Carl W., and Jay. 2,883,039.  
Steffensen, Percy L. 2,918,267.  
White, William E. 2,918,152.  
Williams, Glenn S. 2,869,154.  
Worthen, Eugene P., and Barbour. 2,893,926.
- Bethon, Henry E., to United States of America, Navy. Flash-type distillation system. 2,908,618, 10-13-59, Cl. 202-174.
- Bettner, Thomas E., to Plastomatic Corp. Re-usable plastic containers. 2,887,244, 5-19-59, Cl. 220-39.
- Bettecher, Bruce H. Reinforced, thermal insulating, condensation-proof and light admitting member. 2,918,023, 12-22-59, Cl. 108-16.
- Better, Bernard R., to Scully-Jones and Co. Cam and pin type mandrel or chuck. 2,888,848, 6-2-59, Cl. 82-44.
- Better, Bernard R., to Scully-Jones and Co. Spline chucks and arbors. 2,890,054, 6-9-59, Cl. 279-1.
- Better, Bernard R., and J. W. Leide, Jr., to Scully-Jones and Co. Double roller torque driver. 2,889,022, 6-2-59, Cl. 192-56.
- Better Packages, Inc.: See—  
Le Baron, Theodore, and Dodds. 2,892,500.
- Betteridge, Harry W. Disposable shoe dressing device. 2,888,133, 5-26-59, Cl. 206-36.
- Betteridge, Walter, to The International Nickel Co., Inc. Method of hot working heat-resistant metal articles. 2,891,307, 6-23-59, Cl. 29-423.
- Bettes, Richard S., Jr., to Standard Oil Co. Making spherical particles. 2,887,724, 5-26-59, Cl. 18-47.2.
- Bettinger, Corp.: See—  
Randall, Boardman M., and Frohisher. 2,910,396.
- Bettison, David C.: See—  
Berti, Roland J., and Bettison. 2,898,452.
- Bettison, David C., and T. W. Hays. Apparatus for controlling highway crossing signals. 2,887,571, 5-19-59, Cl. 246-130.
- Bettoll, Phillip S., and E. L. Lyons, to The Ruberoid Co. Packaging of self-sealing shingles. 2,885,073, 5-5-59, Cl. 206-60.
- Bettoni, Eugene C., to Holley Carburetor Co. Ignition distributor engine governor, tachometer drive unit. 2,893,363, 7-7-59, Cl. 123-97.
- Bettridge, Fredrick L. G., to A. H. Hunt (Capacitors) Ltd. Method of encasing electrical capacitors. 2,891,362, 6-23-59, Cl. 53-37.
- Betts and Co. Ltd.: See—  
Hawes, Walter J. 2,906,071.
- Betts, John R. Milking apparatus. 2,910,087, 10-27-59, Cl. 137-559.
- Betts, Joseph L., Jr.: See—  
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- Betts, Ralph P., to Matralin Co., Inc. Combined luggage and furniture. 2,891,639, 6-23-59, Cl. 190-21.
- Betz, Carl E., to Switzer Brothers, Inc. Driven penetrant method of flaw detection. 2,883,549, 4-21-59, Cl. 250-71.
- Betz, Henry. Clamp-applying tool. 2,880,634, 4-7-59, Cl. 81-9.3.
- Betz Laboratories, Inc.: See—  
George, Charles B., Tanzola, and Kahler. 2,877,085.  
Kahler, Harry L., and George. 2,872,281.  
Kahler, Harry L., and Tanzola. 2,900,222.  
Tanzola, William A., and Schieber. 2,867,354.
- Betzler, Alvin E., Sr. Brush assembly for pipe wrapping machine. 2,888,694, 6-2-59, Cl. 15-88.
- Betzen, John L. Hydraulic rotary pumps. 2,910,948, 11-3-59, Cl. 103-113.
- Betzler, Lloyd L., to General Motors Corp. Heat exchanger for warm air furnaces. 2,886,295, 5-12-59, Cl. 257-139.
- Beuchle, Friedrich, to Alfred Teves Maschinen- und Armaturenfabrik K.G. Brake control valve mechanism. 2,892,468, 6-30-59, Cl. 137-505.13.
- Beuk, Jack P., and J. M. Hogan, to Swift & Co. Use of proteolytic enzymes in poultry feed. 2,878,123, 3-17-59, Cl. 99-2.
- Beuk, Jack P., A. L. Savich, P. A. Goesser, and J. M. Hogan, to Swift & Co. Method of tendering meat. 2,903,362, 9-8-59, Cl. 99-107.
- Beukema, William, and J. Vuurmans, to North American Philips Co., Inc. Method of manufacture of tubular condensers. 2,909,830, 10-27-59, Cl. 29-25.42.
- Beurle, André E. Lady's elastic girdle. 2,899,964, 8-18-59, Cl. 128-548.
- Beurthet, Charles A. E., to Compagnie Française Thomson-Houston. Anode cooling device for electric tubes. 2,882,449, 4-14-59, Cl. 315-118.
- Beusschausen, Willi, to Micafil A.G. Device for winding flat annular bodies with very fine wires. 2,904,271, 9-15-59, Cl. 242-1.
- Beuther, Harold, to Gulf Research & Development Co. Visbreaking of reduced crude in the presence of light catalytic cycle stock. 2,900,327, 8-18-59, Cl. 208-106.
- Beuther, Harold, and W. C. Offutt, to Gulf Research & Development Co. High-temperature, low-contact time coking process. 2,874,092, 2-17-59, Cl. 202-14.
- Beuther, Harold, and A. M. Henke, to Gulf Research & Development Co. Process for utilizing impure hydrogen stream in hydrogenation reactions. 2,902,440, 9-1-59, Cl. 208-210.
- Beuther, Harold, W. A. Horne, and C. W. Montgomery, to Gulf Research & Development Co. Hydrogen treatment of hydrocarbons. 2,904,500, 9-15-59, Cl. 208-57.
- Beuther, Harold, A. M. Henke, and R. E. Peterson, to Gulf Research & Development Co. Improvements in hydrogenation and distillation of lubricating oils. 2,917,448, 12-15-59, Cl. 208-57.
- Bevacqua, Louis A., to Motorola, Inc. Pushbutton gearshift selector. 2,910,885, 11-3-59, Cl. 74-473.
- Beyan, Bernard J., to Smith-Corona Marchant Inc. Strip feeding device with retractable pins. 2,913,093, 11-17-59, Cl. 197-133.
- Bevarly, Henry W.: See—  
Miller, Brude D., Reigel, Bolanowski, and Bevarly. 2,898,092.
- Bevarly, Henry W., W. F. Whitson, and C. C. Yann, to Chemtron Corp. Method of and apparatus for producing packages of plastic material at high cyclic rates. 2,895,271, 7-21-59, Cl. 53-21.
- Beverly Development Corp.: See—  
Bernstein, Joseph D. 2,869,207.
- Beverly Vogue Co.: See—  
Kyle, Marguerite G. 2,887,688.
- Beyers, Eugene J., and F. O. Zimmer, to General Motors Corp. Gas turbine fuel system including a starting accumulator. 2,884,997, 5-5-59, Cl. 158-36.4.
- Bevilacqua, Frank: See—  
Digney, Frank J., Jr., and Bevilacqua. 2,881,391.
- Bevilacqua, Patsy F., J. T. Plati, and W. Wenner, to Hoffmann-La Roche Inc. Synthesis of thyronine compounds. 2,895,927, 7-21-59, Cl. 260-4.71.
- Bevoort, Cornelius, and R. E. M. Baudet, to Staatsbedrijf der Posterijen, Telegrafie en Telefonie. Automatic volume regulator. 2,867,688, 1-6-59, Cl. 179-1.
- Bevoort, Cornelius, and R. E. M. Baudet, to Staatsbedrijf der Posterijen Telegrafie en Telefonie. Communication system channel terminating apparatus. 2,876,281, 3-3-59, Cl. 179-1.5.
- Bewley, Thomas, and M. D. Cooke, to Hercules Powder Co. Process for purifying crude acetone. 2,906,676, 9-29-59, Cl. 202-57.
- Bewley, William L., and L. M. Dvoracek, to Union Oil Co. of California. Shale feeder. 2,871,170, 1-27-59, Cl. 202-93.
- Bewley, William L., J. L. Hotz, and R. L. Switzer, to Union Oil Co. of California. Shale retorting apparatus. 2,895,885, 7-21-59, Cl. 202-91.
- Beyer, Arthur J.: See—  
Lyle, Alfred G., Brubaker, and Beyer. 2,915,388.
- Beyer, Fritz. Movable figures with changing face expressions. 2,887,820, 5-26-59, Cl. 46-120.
- Beyer, Jeno: See—  
Heijnis, James W. I., and Beyer. 2,872,128.
- Beyer, Jeno, to American Enka Corp. Double twister. 2,867,969, 1-13-59, Cl. 57-58.83.
- Beyerle, Rudi: See—  
Persch, Walther, and Beyerle. 2,883,380.
- Beyerstedt, John M., and H. E. Erickson, to Nordberg Mfg. Co. Adding bits. 2,894,419, 7-14-59, Cl. 76-103.
- Beyerstedt, Ralph L., to The Frank G. Hough Co. Instrument panel assemblies for tractors. 2,876,857, 3-10-59, Cl. 180-90.
- Beyerstedt, Ralph L., to The Frank G. Hough Co. Tractor battery arrangements. 2,910,132, 10-27-59, Cl. 180-68.5.
- Beyerstedt, Ralph L., and T. G. Granryd, to The Frank G. Hough Co. Four wheel drive articulated vehicle. 2,913,061, 11-17-59, Cl. 180-12.
- Beyette, Gordon D.: See—  
Beyette, Sanford R. 2,868,142.
- Beyette, Sanford R., to G. D. Beyette. Ice cream fruit injector. 2,868,142, 1-13-59, Cl. 107-1.
- Beyland, Robert W. Devices for measuring phonograph stylus pressure. 2,906,118, 9-29-59, Cl. 73-141.
- Beyler, Arthur L.: See—  
Clinton, Raymond O., and Beyler. 2,868,811.
- Beyler, Roger E., and L. H. Saret, to Merck & Co., Inc. Bisdioxo steroids and method of making same. 2,888,456, 5-26-59, Cl. 260-239.55.
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- Beymer, Frank R. Guard for rotary mowers. 2,914,902, 12-1-59, Cl. 56-25.4.
- Beymer, Oliver H., to General Electric Co. Spacer for electrical windings. 2,918,639, 12-22-59, Cl. 336-185.
- Beyner, Andre, to Ebauches S.A. Timepiece comprising an electromagnetically maintained oscillating regulator. 2,907,940, 10-6-59, Cl. 318-132.
- Beyner, Andre, to Ebauches S.A. Electric timepiece movement. 2,912,817, 11-17-59, Cl. 58-28.
- Beyrie, Thomas T., to Acme Metal Molding Co. Push bar for metal doors. 2,870,493, 1-27-59, Cl. 20-16.
- Beytes, Deane A.: See—  
Strother, John A., Hanson, and Beytes. 2,887,951.
- Beyvi, Joseph M., to The Foundry Equipment Co. Mold drying oven. 2,891,319, 6-23-59, Cl. 34-21.
- Bharucha, Kekhusroo K., to Canada Packers, Ltd. Epipregnanolone-benzophenone adduct and methods for producing and utilizing same. 2,868,810, 1-13-59, Cl. 260-397.4.
- Bialek, Jacques, to Standard Coil Products Co., Inc. Delay line. 2,895,112, 7-14-59, Cl. 333-31.
- Bialous, Adolf J., and E. R. Astley, to General Electric Co. Pressure transmitter for liquid metal systems. 2,883,995, 4-28-59, Cl. 137-85.
- Bialy, Joseph. Thread cutting release attachment for a lathe. 2,913,944, 11-24-59, Cl. 82-5.
- Blanchi, Achille. Rotary drier, especially for granular substances. 2,878,584, 3-24-59, Cl. 34-128.
- Blanchi Co., The: See—  
Fisk, Wilbur. 2,886,927.
- Blanchi, Guiseppeina, and J. Rose, to Societe d'Etudes, de Gestion et d'Exploitation de Brevets, S. E. G. E. B. J. Branche & Cie. Magnetic writing board. 2,868,561, 1-13-59, Cl. 382-29.
- Bianco, Henry J., to The Burch Co. Metal door construction. 2,889,899, 6-9-59, Cl. 189-46.
- Bianco, Henry J., to The Burch Co. Mounting rail for sliding window screens. 2,898,984, 8-11-59, Cl. 160-90.
- Bias, Thomas W. Fishing bobber with bait guard. 2,910,798, 11-3-59, Cl. 43-41.2.
- Bibb Mfg. Co.: See—  
Sheehan, Robert E. 2,876,140.
- Bibbins, Gareth L., to Norton Co. Sintered bearing composition. 2,906,007, 9-29-59, Cl. 29-182.5.
- Bibbo, Carmen. Compound movement butterfly valve. 2,892,609, 6-30-59, Cl. 251-163.
- Bibby, James: See—  
Ollendorf, Joel, and Bibby. 2,905,873.
- Bibby, Ralph D.: See—  
Barley, Herman, and Bibby. 2,885,730.
- Biberman, Lucien M., to United States of America, Navy. Magnetic torque motor. 2,908,171, 10-13-59, Cl. 74-5.47.
- Bible, Roy H., Jr., to G. D. Searle & Co. Carboxyalkyl derivatives of polyhydrophenanthrene carboxylic acids. 2,902,494, 9-1-59, Cl. 260-343.2.
- Bible, Roy H., Jr., and W. M. Hoehn, to G. D. Searle & Co. 1,4a-dimethyl-1-hydroxymethylperhydro-6-phenanthrol and ethers thereof. 2,889,371, 6-2-59, Cl. 260-611.
- Bible, Roy H., Jr., and C. Placek, to G. D. Searle & Co. 4,5-epoxysteroids and their manufacture. 2,908,682, 10-13-59, Cl. 260-239.55.
- Bible, Roy H., Jr., and W. M. Hoehn, to G. D. Searle & Co. 1,4a-dimethyl-6-acyloxyperhydrophenanthrene-1-carboxylic acid and derivatives. 2,918,490, 12-22-59, Cl. 260-468.5.
- Bibolet, Anbert H., G. L. Brown, R. P. Fellmann, and G. A. Richter, Jr., to Rohm & Haas Co. Spinning of fibers and films from particulate dispersions. 2,914,376, 11-24-59, Cl. 18-54.
- Bichell, William J.: See—  
Knight, Theodore L., and Bichell. 2,875,598.
- Bichsel, Harry J., and A. J. Baeslack, to Westinghouse Electric Corp. Arc welding apparatus. 2,879,434, 3-24-59, Cl. 314-71.

- Bichsel, Harry J., and A. J. Baeslack, to Westinghouse Electric Corp. Arc welding apparatus. 2,897,342, 7-28-59, Cl. 219-130.
- Bichsel, Harry J., and F. E. Adamson, to Westinghouse Electric Corp. Thyatron motor control. 2,913,653, 11-17-59, Cl. 318-331.
- Bickel, Ferdinand D., and C. P. Williams, to E. I. du Pont de Nemours and Co. Blasting machine. 2,908,847, 10-13-59, Cl. 317-80.
- Bickers, Arthur, to Marconi's Wireless Telegraph Co. Ltd. Variable inductance devices. 2,870,423, 1-20-59, Cl. 336-110.
- Bickerstaff, George W., Jr., to Steel City Electric Co. Corner connector. 2,911,242, 11-3-59, Cl. 287-54.
- Bickerstaff, Kenneth: See—  
Pilkington, Lionel A. B., and Bickerstaff. 2,911,759.
- Bickford, Fred A., and R. K. Smith, to Corning Glass Works. Method of making a nonporous, semicrystalline ceramic body. 2,887,394, 6-19-59, Cl. 106-46.
- Bickford, John H., and D. E. Lipier, to Raymond Engineering Laboratory, Inc. Self-locking electric plugs. 2,894,242, 7-7-59, Cl. 239-195.
- Bickford Research Laboratories Inc.: See—  
Pearsall, David E.
- Bickling, John B., to Merck & Co., Inc. Bicyclic-nitrogen-heterocyclic compounds. 2,917,511, 12-15-59, Cl. 260-240.
- Bicknell, Robert, R. G. Leiberger, and A. B. Walker, to The Garrett Corp. Arctic shelter life raft. 2,908,919, 10-20-59, Cl. 9-11.
- Bickoff, Emanuel M.: See—  
Emerson, Oliver H., and Bickoff. 2,884,427.
- Bickoff, Emanuel M., and A. N. Booth, to United States of America, Agriculture. Estrogenic factor. 2,890,116, 6-9-59, Cl. 99-2.
- Bidart, Arnaud P., Jr., to Zephyr Mfg. Co. Metal shaving tool. 2,910,920, 11-3-59, Cl. 90-12.
- Bidault, Philippe, and R. Metenier, to Esso Standard Societe Anonyme Francaise, formerly Standard Francaise des Petroles. Lubricating grease compositions. 2,903,427, 9-8-59, Cl. 252-42.1.
- Bidlack, Verne C., Jr.: See—  
Manthey, Lessell L., and Bidlack. 2,872,378.
- Bidlingmayer, Mollie S.: See—  
Biddingmayer, William L., and M. S. 2,891,543.
- Biddingmayer, William L., and M. S. Antiseptic douche apparatus. 2,891,543, 6-23-59, Cl. 128-248.
- Bidner, John. Method and apparatus for freeing stopper rod in bottom pouring steel ladle. 2,883,722, 4-28-59, Cl. 22-85.
- Bidwell, Ethel, to National Research Development Corp. Process of preparing anti-haemophilic globulin. 2,867,567, 1-6-59, Cl. 167-74.
- Bidwell, Howard, to R. Bidwell. Method and apparatus for the treatment of paper stocks. 2,912,174, 11-10-59, Cl. 241-15.
- Bidwell, Joseph B., to General Motors Corp. Power steering. 2,904,120, 9-15-59, Cl. 180-79.2.
- Bidwell, Rachel: See—  
Bidwell, Howard. 2,912,174.
- Bidwell, Richard M.: See—  
Thamer, Burton J., Bidwell, and Hammond. 2,904,488.
- Bieber, Clarence G., and G. N. Ziegler, to The International Nickel Co., Inc. Cast nickel base alloy for high temperature service. 2,912,323, 11-10-59, Cl. 75-171.
- Bieber, Harold H., P. F. Bruins, and H. P. Gregor, to Polytechnic Institute of Brooklyn. Porous membrane materials and process for producing the same. 2,884,387, 4-28-59, Cl. 260-2.5.
- Bieber, Herman, and I. A. Eldib, to Esso Research and Engineering Co. Removal of metallic contaminants from hydrocarbon oils with a foaming agent. 2,897,144, 7-28-59, Cl. 208-251.
- Biedbach, William F., Jr., and L. L. Hilton. Centrifugal impregnating process of making a pressure tank. 2,915,425, 12-1-59, Cl. 154-83.
- Biedenstein, Vincent G., to R. C. Can Co. Slip cover and plunger for cartridge-container. 2,887,253, 5-19-59, Cl. 222-327.
- Biedermann, Joseph B. Device for producing positive and negative pressures. 2,883,983, 4-28-59, Cl. 128-198.
- Biedermann, Joseph B. Bottle cap. 2,884,151, 4-28-59, Cl. 215-41.
- Biedermann, Friedrich, to Agfa Akt. Diaphragm suitable for photometers. 2,896,508, 7-28-59, Cl. 88-61.
- Biedermann, Friedrich, F. Jakob, and F. Rau, to Agfa Akt. Strip coating apparatus. 2,878,779, 3-24-59, Cl. 118-412.
- Biedermann, William C., and L. C. Gutschick, to Motorola, Inc. Radio receiver construction. 2,903,516, 9-8-59, Cl. 179-1.
- Biedermann, Wolfgang: See—  
Schnell, Hermann, Nentwig, Hintzmann, Raichle, and Biedermann. 2,917,468.
- Schnell, Hermann, Raichle, and Biedermann. 2,910,483.
- Biedess, Anthony R., to Goodman Mfg. Co. Bit mounting means for boring head cutters. 2,899,187, 8-11-59, Cl. 262-33.
- Biedess, Anthony R., to Goodman Mfg. Co. Breaker roller for boring heads. Re. 24,732, 11-10-59, Cl. 262-33.
- Bieganski, Wladyslaw J., and L. M. Glickman, to Radio Corp. of America. Magnetic shift register. 2,873,438, 2-10-59, Cl. 340-174.
- Bieger, Jacob J., and R. H. Wadsworth, to Daco Machine & Tool Co. Gear train testing apparatus. 2,877,648, 3-17-59, Cl. 73-162.
- Biel, Hans, to H. Sickinger. Automatic paper working machine. 2,917,307, 12-15-59, Cl. 270-37.
- Biel, Hans, E. Pfäffe, and F. Bertsch, to H. Sickinger. Apparatus for making articles stitched along a fold. 2,895,730, 7-21-59, Cl. 270-37.
- Biel, Hans, and W. Kugler, to H. Sickinger. Inking roller with porous corrosion resistant coating. 2,908,068, 10-13-59, Cl. 29-121.
- Biel, Hans, and E. Pfäffe, to H. A. Sickinger. Method for the manufacture of ring book sheets in a combined operation. 2,911,888, 11-10-59, Cl. 93-1.
- Biel, John H., to Lakeside Laboratories, Inc. Aminoalkynyl-N-alkylpiperidine carboxylates. 2,867,619, 1-6-59, Cl. 260-247.2.
- Biel, John H., to Lakeside Laboratories, Inc. N-alkylpiperidyl alkynylamines. 2,867,620, 1-6-59, Cl. 260-247.5.
- Biel, John H., to Lakeside Laboratories, Inc. Diphenyl-alkylaminomethyl pyrrolidines. 2,874,163, 2-17-59, Cl. 260-313.
- Biel, John H., to Lakeside Laboratories, Inc. Synthesized antispasmodic compounds. 2,900,415, 8-18-59, Cl. 260-570.6.
- Biel, John H., to Lakeside Laboratories, Inc. Quaternary ammonium salts of aminoalcohol esters of N-alkylpiperidine carboxylic acids. 2,903,453, 9-8-59, Cl. 260-247.2.
- Biel, John H., to Lakeside Laboratories, Inc. Hydroxypiperidino-N-alkylene aldehydes. 2,911,408, 11-3-59, Cl. 260-294.7.
- Biel, John H., to Lakeside Laboratories, Inc. Anti-spasmodic specific for peptic ulcer. 2,918,406, 12-22-59, Cl. 167-65.
- Biel, John H., to Lakeside Laboratories, Inc. Antispasmodic specific for upper gastrointestinal pain and spasm. 2,918,407, 12-22-59, Cl. 167-65.
- Biel, John H., to Lakeside Laboratories, Inc. Antispasmodic compositions specific for treating spasm of the colon. 2,918,408, 12-22-59, Cl. 167-65.
- Bielawski, Mitchell S., to Universal Oil Products Co. Manufacture of solid phosphoric acid catalysts. 2,871,199, 1-27-59, Cl. 252-435.
- Bielenberg, Raymond G.: See—  
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- Baird, Douglas O., and Bielenberg. 2,881,260.
- Biello, Stephen J.: See—  
Mason, Walker, and Biello. 2,884,952.
- Bielstein, Walter J., to Jersey Production Research Co. Method of perforating well casing. 2,891,620, 6-23-59, Cl. 166-55.5.
- Biemiller, Philip E.: See—  
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- Biemiller, Philip E., J. H. Reese, and J. A. Van Horn, to Hamilton Watch Co. Indexing mechanism. 2,877,654, 3-17-59, Cl. 74-88.
- Bien, Hans-Samuel: See—  
Baumann, Fritz, and Bien. 2,901,479.
- Bien, Jack M. Portable roll and measure machine. 2,871,568, 2-3-59, Cl. 33-129.
- Bienek, Edmund, and E. Schroth, to Didier-Werke A.G. Process for the production of magnesite which is poor in silica or silica-free. 2,881,048, 4-7-59, Cl. 23-67.
- Bienefeld, Arthur. Protective backing compositions for mirrors. 2,867,538, 1-6-59, Cl. 106-14.
- Bienert, Berthold: See—  
Baumann, Fritz, Bienert, Vollmann, and Rosch. 2,897,039.
- Bienert, Berthold, K. Breig, and M. Groll, to Farbenfabriken Bayer Akt. Phthalocyanine-sulfonamides and process for their manufacture. 2,873,280, 2-10-59, Cl. 260-314.5.
- Bienert, Berthold: See—  
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- Bieniecki, Henry S.: See—  
Kolesa, Thomas J., Bieniecki, and Lich. 2,918,022.
- Bienisek, Chester E., to Union Carbide Corp. Process and agent for treating ferrous materials. 2,873,188, 2-10-59, Cl. 75-130.
- Bier, Albert: See—  
Albedyhl, Karl, and Bier. 2,893,222.
- Bier, Gerhard: See—  
Fischer, Edgar, Wehsermel, and Bier. 2,902,477.
- Heltzer, Erich, Gumboldt, Messwarb, and Bier. 2,906,743.
- Bier, Merlin L. Scraper attachment for silo unloader. 2,895,626, 7-21-59, Cl. 214-17.
- Bier, Milan. Continuous free-boundary flow electrophoresis. 2,878,178, 3-17-59, Cl. 204-180.
- Bieri, Hans, and E. Denzler, to H. A. Schlatter, A. G. Work holding device. 2,875,718, 3-3-59, Cl. 113-99.
- Biering, Robert C., and D. L. Southam, to Thompson Products, Inc. Pump Seal. 2,882,075, 4-14-59, Cl. 286-11.
- Bierly, George W. Control means for self-propelled mowing machines. 2,906,362, 9-29-59, Cl. 180-79.3.
- Bierman, Aron. Device for the separation of gas ions. 2,919,348, 12-29-59, Cl. 250-41.9.
- Bierman, Harry C.: See—  
Barsky, George, and Bierman. 2,888,366.
- Bierman, Karl M.: See—  
Berenchot, Donald J., Pinhasik, and Bierman. 2,884,397.



- Biermann, Arnold E. Variable stroke mechanisms. 2,873,611, 2-17-59, Cl. 74-40.
- Biermann, Arnold E. Control systems for variable stroke engines. 2,873,728, 2-17-59, Cl. 123-48.
- Biermann, Arnold E. Internal combustion engine control systems. 2,902,013, 9-1-59, Cl. 123-48.
- Biermann, Arnold E. Variable stroke piston engines. 2,909,163, 10-20-59, Cl. 123-48.
- Biermann, Arnold E. Multi-cylinder internal combustion engines. 2,909,164, 10-20-59, Cl. 123-48.
- Biernacki, Felix F. Door bells. 2,912,956, 11-17-59, Cl. 116-86.
- Biery, Arthur: See—  
Derby, Richard F., and Biery. 2,890,824.
- Derby, Richard F., and Biery. 2,911,134.
- Biesanz, Charles W., Sr., and K. J. Walsh. Masonry cutters. 2,874,688, 2-24-59, Cl. 125-23.
- Bieseke, Rudolph L., Jr., to DSP Corp. Photoelectric grading instrument. 2,882,785, 4-21-59, Cl. 88-14.
- Biewald, Robert R., 1/2 to H. A. Sturges. Bug shield for automobiles. 2,868,308, 1-13-59, Cl. 180-68.
- Big "A" Mfg. Co.: See—  
Birkmeyer, Clement E., Sr. 2,904,821.
- Bigelow, Bryant. Desk trays and the like. 2,894,640, 7-14-59, Cl. 211-126.
- Bigelow, Floyd E. Portable building. 2,890,498, 6-16-59, Cl. 20-2.
- Bigelow, Herbert L., to Baker Oil Tools, Inc. Apparatus for effecting operation of subsurface well bore devices. 2,871,946, 2-3-59, Cl. 166-64.
- Bigelow, John E., to United States of America, Navy. Meter with logarithmic amplifier. 2,870,409, 1-20-59, Cl. 824-182.
- Bigelow, John E., to General Electric Co. Pulse reverter. 2,915,630, 12-1-59, Cl. 250-27.
- Bigelow, John E., to General Electric Co. Logarithmic ratio meter. 2,916,702, 12-8-59, Cl. 324-111.
- Bigelow-Liptak Corp.: See—  
Sampson, Richard E. 2,870,624.
- Bigelow, Melvin R.: See—  
Orter, Ralph H., and Bigelow. 2,891,732.
- Bigelow, Norman E., 1/2 to G. C. Graham and 1/2 to I. J. Kunik. Steel wool grinding and polishing wheel. 2,873,466, 2-17-59, Cl. 15-230.
- Bigelow-Sanford Carpet Co., Inc.: See—  
Hoesselbarth, Frank W. E. 2,903,022.
- Big Genie Corp.: See—  
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- Biggle, Laurence C.: See—  
Ray, William A., and Biggle. 2,874,930.
- Biggs, Ralph J., and J. M. Tucker. Speed control device. 2,912,880, 11-17-59, Cl. 74-526.
- Biggs, Robert W., to The S. K. Wellman Co. Method for producing bi-metallic article. 2,892,707, 6-30-59, Cl. 75-208.
- Bigham, John H.: See—  
Casarande, Arthur, Besse, and Bigham. 2,895,301.
- Bigham, Roger V. Flood control device. 2,914,081, 11-24-59, Cl. 137-394.
- Biginelli, Oreste F. A. Extrusion press for indirect extrusion of hollow parts. 2,913,107, 11-17-59, Cl. 207-9.
- Bigler, Allen R. Shuttle lift for parking machine. 2,916,166, 12-8-59, Cl. 214-161.
- Bigras, Norman J.: See—  
Sharrar, Osro G., Brooks, and Bigras. 2,888,264.
- Bihaly, Lajos, to Industrial Accountability Partnership Ltd. Apparatus for recording data. 2,910,934, 11-3-59, Cl. 101-19.
- Bihler, Waldemar E. Identifying labels. 2,914,166, 11-24-59, Cl. 206-56.
- Bihler, Walter G. Hydraulic machine tool. 2,915,924, 12-8-59, Cl. 77-335.
- Bijloo, Johan D.: See—  
Uhlenbroek, Jan H., Koopman, Haack, Daams, and Bijloo. 2,911,337.
- Bikales, Norbert M., to American Cyanamid Co. Cyanoethylation of wool. 2,890,925, 6-16-59, Cl. 8-127.6.
- Bikales, Norbert M., A. H. Gruber, and L. Rapoport, to American Cyanamid Co. Cyanoethylation of cellulose. 2,907,625, 10-6-59, Cl. 8-120.
- Bikales, Richard G., to Metal and Thermit Corp. Feed device for continuous plating barrel. 2,868,709, 1-13-59, Cl. 204-201.
- Bilaisis, Viktoras. Pneumatically operated control valve for hydraulic actuators. 2,870,789, 1-27-59, Cl. 137-622.
- Bilco Co., The: See—  
Lyons, William C. 2,879,556.
- Bilde, Tord E. D.: See—  
Hultberg, Rolf B. J., and Bilde. 2,916,104.
- Bilek, Andrew G., to United States of America, Air Force. Ammunition magazine. 2,889,751, 6-9-59, Cl. 89-34.
- Bilek, Ludwig: See—  
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- Bilger, Xavier, and P. Muller, to Compagnie Francaise des Matieres Colorantes. New complex solutions and dispersions and process for their preparation. 2,895,837, 7-21-59, Cl. 106-18.
- Bilger, Xavier, and J. Pechmeze, to Compagnie Francaise des Matieres Colorantes. New water-soluble complexes and a process for their preparation. 2,904,572, 9-15-59, Cl. 260-438.
- Bill, Albert G.: See—  
Ganska, Kingston E., and Bill. 2,914,647.
- Bill Jack Scientific Instrument Co.: See—  
Reich, James R. 2,877,698.
- Breazeale, John B. 2,907,990.
- Breazeale, John B., McIlwraith, and Dacus. 2,907,211.
- Miller, Russell L. 2,867,813.
- Miller, Russell L. 2,908,943.
- Bill, John C., to United States Rubber Co. Di-(alkyl)-mono-(alkylphenyl)-phosphites. 2,877,259, 3-10-59, Cl. 260-461.
- Bill, Theodore R. Automatically retractable hitch leg. 2,882,070, 4-14-59, Cl. 280-475.
- Billen, Peter, to Schloemann Akt. Tool arrangement for severing the extruded product in directly operating extrusion presses. 2,896,782, 7-28-59, Cl. 207-1.
- Billen, Peter, and W. Linner, to Schloemann Akt. Excess-pressure means for multi-cylinder hydraulic systems. 2,882,688, 4-21-59, Cl. 60-97.
- Billetdeux, Adrian C., to Westinghouse Air Brake Co. High resistance semiconductor cells. 2,888,620, 5-26-59, Cl. 317-241.
- Billette, Henry R., to Liquid Controls Corp. Infinitely variable planetary transmission. 2,868,038, 1-13-59, Cl. 74-796.
- Billette, Henry R., to Liquid Controls Corp. Variable speed transmission and controls therefor. 2,884,793, 5-5-59, Cl. 74-112.
- Billette, Henry R., to Amcco Tools, Inc. Lathe. 2,891,435, 6-23-59, Cl. 82-2.
- Billette, Henry R., to Amcco Tools, Inc. Grinding device. 2,901,869, 9-1-59, Cl. 51-96.
- Billette, Henry R., and G. B. Richards, to Liquid Controls Corp. Tank unloading apparatus. 2,894,659, 7-14-59, Cl. 222-72.
- Billette, Jean-Rene: See—  
Reichstein, Tadeus, Wettstein, Anner, Billette, Hensler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,904,545.
- Bill, Giorgio, to Fidelity Machine Co., Inc. Circular knitting machine. 2,881,604, 4-14-59, Cl. 66-40.
- Billig, Erich, to Starrfrasmachinen AG. Control device. 2,887,932, 5-26-59, Cl. 90-62.
- Billig, Ernst, and D. B. Gasson, to Siemens Edison Swan Ltd. Semi-conductor activated with dissociated ammonia. 2,887,453, 5-19-59, Cl. 252-623.
- Billig, Ralph B., and M. S. Ziskin, to Kromex Corp. Double walled container. 2,897,996, 8-4-59, Cl. 220-15.
- Billin, James J., I. Godier, and R. C. Hall, to Electric & Musical Industries Ltd. Automatic gain control circuits for television receivers. 2,885,472, 5-5-59, Cl. 178-73.
- Billinghurst, Wilfred A. Device for golf putting practice. 2,899,207, 8-11-59, Cl. 273-177.
- Billings, Charles K., and R. S. Platt, to Whirlpool Corp. Closure means for a cabinet or the like. 2,899,717, 8-18-59, Cl. 20-16.
- Billings, Ira J.: See—  
Huthsing, Charles K., Sr., and Billings. 2,878,683.
- Huthsing, Charles K., Sr., and Billings. 2,895,556.
- Huthsing, Charles K., Sr., and Billings. 2,909,936.
- Billings, John H., to United States of America, Army. Set-back device for fuze. 2,882,826, 4-21-59, Cl. 102-78.
- Billings, Orman B., to Johnson & Johnson. Imparting antibacterial properties to formed articles. 2,880,129, 3-31-59, Cl. 167-30.
- Billings, Philip M., to Sanders Associates, Inc. Electrical monitoring device. 2,876,402, 3-3-59, Cl. 317-242.
- Billings, Sanford M.: See—  
Wright, James H., Briggs, Billings, and Harriman. 2,903,645.
- Billings, Theodore E., C. P. Keshler, Jr., and H. W. Wainwright, to General Electric Co. Transistor memory circuit. 2,902,674, 9-1-59, Cl. 340-173.
- Billings, Thomas A. Tree and brush cutting attachment for bulldozers. 2,894,544, 7-14-59, Cl. 144-34.
- Billings, Thomas A. Land clearing rake. 2,897,614, 8-4-59, Cl. 37-145.
- Billingsley, William F., to The B. F. Goodrich Co. Crack resistant and traction boosting device for pneumatic tire treads. 2,910,104, 10-27-59, Cl. 152-211.
- Billingsley, William F., and J. K. Balzhiser, to The B. F. Goodrich Co. Pneumatic tire treads. 2,869,609, 1-20-59, Cl. 152-209.
- Billington, Evans R., to The Bastian-Blessing Co. Pressure regulator safety valve. 2,867,234, 1-6-59, Cl. 137-505.11.
- Billington, Evans R., to The Bastian-Blessing Co. Excess flow valve. 2,909,188, 10-20-59, Cl. 137-316.
- Billion & Cie: See—  
Billion, Jacques. 2,881,504.
- Billion, Jacques, to Billion & Cie. Process for crimping textile threads. 2,881,504, 4-14-59, Cl. 28-72.
- Billman, Carl A. Milling cutter. 2,903,784, 9-15-59, Cl. 29-105.
- Billman, Gerald C., and C. F. Quick, to Rohr Aircraft Corp. Conveyor for workpiece and template. 2,893,912, 4-28-59, Cl. 90-13.
- Bills, Richard F.: See—  
Brunton, Don L. 2,915,598.
- Billue, Robert F., and J. T. Williamson, to Thiele Kaolin Co. Method of dewatering clay. 2,905,643, 9-22-59, Cl. 252-313.

- Billups, Thomas U. Log bunk latch. 2,891,485, 6-23-59, Cl. 105-160.
- Biltmore Mfg. Co.: See—  
Sinclair, Lou F. 2,915,350.
- Bilz, Wilhelm, to Siemens-Schuckertwerke Aktiengesellschaft. Maximum value determining device. 2,913,174, 11-17-59, Cl. 235-145.
- Bina, Melvin J.: See—  
Meyer, Earl A., and Bina. 2,869,761.
- Bincer, Hans: See—  
Boxer, John R., and Bincer. 2,875,607.
- Boxer, John R., and Bincer. 2,896,098.
- Bincer, Hans, to The Babcock & Wilcox Co. Probe supporting means for ultrasonic testing of circumferentially extending butt welds. 2,908,161, 10-13-59, Cl. 73-67.8.
- Binder, Alfred, to The Sherwin-Williams Co. Method of making a container. 2,871,553, 2-3-59, Cl. 29-451.
- Binder, Hans, and E. Bullinger, to Rottweiler Kunstseidefabrik Akt. Process for the production of the glycol of terephthalic acid suitable for polymerization. 2,877,262, 3-10-59, Cl. 260-475.
- Binder, Paul B. Wheel alignment gages. 2,882,607, 4-21-59, Cl. 33-203.
- Binder, Richard, to Fichtel & Sachs A.G. Control switch for electrically-actuated clutch. 2,886,665, 5-12-59, Cl. 200-61.46.
- Binder, Richard, to Fichtel & Sachs A.G. Clutch arrangement. 2,891,640, 6-23-59, Cl. 192-35.
- Binder, Richard. Valve device. 2,906,279, 9-29-59, Cl. 137-54.
- Binder, Robert: See—  
Porsche, Ferdinand, and Binder. 2,902,020.
- Binder, William O.: See—  
Perkins, Roger A., and Binder. 2,871,118.
- Binding, Otto. Apparatus for packaging of plastic substances or liquids. 2,906,074, 9-29-59, Cl. 53-140.
- Bindler, Jakob: See—  
Kleemann, Alois, and Bindler. 2,899,354.
- Kleemann, Alois, Keller, and Bindler. 2,897,041.
- Model, Ernst, and Bindler. 2,867,659.
- Bindon, Douglas G., I. P. V. Carter, and M. J. Friedman, to Ferranti, Ltd. Magnetic-core storage devices for digital computers. 2,880,406, 3-31-59, Cl. 340-174.
- Binigar, Rollin J. Tire traction device. 2,910,105, 10-27-59, Cl. 152-225.
- Binck, Heinz: See—  
Runge, Erwin, and Binck. 2,910,116.
- Binford, Benjamin L., to Magnetrol, Inc. Viscous fluid level measuring device. 2,911,830, 11-10-59, Cl. 73-309.
- Binford, Robert S., to General Electric Co. Fluid flow measurement and control apparatus. 2,889,780, 6-9-59, Cl. 103-12.
- Bing, Herbert A., R. R. Wareham, and O. E. Wolff to Polaroid Corp. Photographic apparatus for exposing and processing film. 2,873,659, 2-17-59, Cl. 95-13.
- Bing, Herbert A., and J. W. Lothrop, to Polaroid Corp. Photographic bounce flash adapter. 2,910,573, 10-27-59, Cl. 240-13.
- Bingel, Jakob. Annealing process for minimizing core loss in hot-rolled electric sheet segments. 2,890,143, 6-9-59, Cl. 148-112.
- Bingeman, J. Byron: See—  
Axtell, William R., Bingeman, and Girattis. 2,916,506.
- Bingeman, J. Byron, and A. F. Limper, to Ethyl Corp. Foam control in the distillation of cyclopentadienyl manganese triacetylene. 2,868,697, 1-13-59, Cl. 202-40.
- Bingham, Francis R., to I-T-E Circuit Breaker Co. Current balancing transducers for parallel connected diodes. 2,891,212, 6-16-59, Cl. 321-27.
- Bingham, George H., Jr., to Cambridge Rubber Co. Method of making hollow metal lasts. 2,912,368, 11-10-59, Cl. 204-9.
- Bingham, George H., Jr., to Cambridge Rubber Co. Hand tool for positioning slide fasteners in articles of manufacture. 2,913,743, 11-24-59, Cl. 12-103.
- Bingham-Herbrand Corp., The: See—  
Hinsey, Robert S. 2,872,830.
- Hinsey, Robert S. 2,881,637.
- Hinsey, Robert S. 2,897,686.
- Hinsey, Robert S., and Fender. 2,915,916.
- Johnstone, Theodore H. 2,899,838.
- Powell, Burnet J. 2,875,641.
- Powell, Burnet J. 2,903,907.
- Skareen, Willard C. 2,899,837.
- Bingham, Neil D., to Thompson Ramo Wooldridge, Inc. Retaining device. 2,909,354, 10-20-59, Cl. 248-316.
- Bingham, Robert E.: See—  
Salem, Samuel, Bingham, and Anderson. 2,898,665.
- Binsh, Stanley E.: See—  
Kitts, Harry R. 2,893,108.
- Binkley, George W.: See—  
Brooks, Fred A., Jr., Binkley, Dumbauld, and Perry. 2,868,293.
- Binkley, William J.: See—  
McKay, Harry M. 2,918,301.
- Binkowski, Andrew. Fly bobber. 2,884,734, 5-5-59, Cl. 43-43.1.
- Binks, Chester J., to Scovill Mfg. Co. Two-piece flow control valve. 2,878,836, 3-24-59, Cl. 138-45.
- Binks, Chester J., to Scovill Mfg. Co. Flow control device. 2,899,981, 8-18-59, Cl. 138-46.
- Binka Mfg. Co.: See—  
Enssle, Bruno E. 2,909,626.
- Binney, John C. H.: See—  
Millett, Raymond C., and Binney. 2,908,031.
- Binning, Robert C., and J. F. Jennings, to The American Oil Co. Solvent extraction separation of a methylene chloride-paraffinic hydrocarbon mixture. 2,908,730, 10-13-59, Cl. 260-676.
- Binning, Robert C., and J. T. Kelly, to The American Oil Co. Hydrocarbon conversion with dialytic separation of the catalyst from the hydrocarbon products. 2,913,507, 11-17-59, Cl. 260-683.44.
- Binning, Robert C., and J. T. Kelly, to The American Oil Co. Extraction of alcohols with propylene carbonate. 2,918,486, 12-22-59, Cl. 260-450.
- Binns, Albert, to Commer Cars Ltd. Trucks, lorries and the like. 2,883,079, 4-21-59, Cl. 214-512.
- Biological Research, Inc.: See—  
Weichselbaum, Theodore E., and E. G. 2,884,150.
- Biondi, Frank J., H. M. Cleveland, and M. V. Sullivan, to Bell Telephone Laboratories, Inc. Ohmic contacts to silicon bodies. 2,874,341, 2-17-59, Cl. 317-240.
- Blondo, Charles: See—  
Dressler, Herbert, and Blondo. 2,885,981.
- Blondo, Frank P., to General Motors Corp. Vehicle dash compartment. 2,883,234, 4-21-59, Cl. 296-37.
- Birch and Gattone, Inc.: See—  
Birch, Herbert M., and Gattone. 2,872,923.
- Birch, Herbert M., and D. H. Gattone, to Birch and Gattone, Inc. Means for administering pressurized medicaments, gases, combinations thereof and liquids into body cavities. 2,872,923, 2-10-59, Cl. 128-184.
- Birch, Norman E., to Calgary Tent & Awning Ltd. Tent cave pole construction. 2,893,411, 7-7-59, Cl. 135-15.
- Birchall, George H., Jr., and J. A. Purdy, to Fischer & Porter Co. Rotary valves for laboratory glassware and the like. 2,876,985, 3-10-59, Cl. 251-192.
- Birchall, William R., and L. M. Watson, to National Distillers and Chemical Corp. Handling of sodium dispersions. 2,894,788, 7-14-59, Cl. 302-66.
- Bird, Brooks A.: See—  
Franklin, Burton E., Jr., and Bird. 2,891,481.
- Bird Electronic Corp.: See—  
Bird, James R., and Stevens. 2,884,603.
- Bird, James R., Calderhead, and Heller. 2,891,221.
- Frederico, Blosser D. 2,875,405.
- Stevens, Harold E. 2,884,595.
- Stevens, Harold E. 2,884,606.
- Bird, Eugene A.: See—  
Andrews, Dallas R., and Bird. 2,908,495.
- Bird, Gordon A. Multi-band tuned antenna. 2,881,430, 4-7-59, Cl. 343-747.
- Bird, James M.: See—  
Oltner, Willis J. 2,883,757.
- Bird, James R., and H. E. Stevens, to Bird Electronic Corp. Method of and apparatus for converting high frequency electrical energy into heat. 2,884,603, 4-28-59, Cl. 333-22.
- Bird, James R., H. J. Calderhead, and H. H. Heller, to Bird Electronic Corp. Standing wave indicator. 2,891,221, 6-10-59, Cl. 324-95.
- Bird, Lester F., to Engelhard Industries, Inc. Operating circuit for compact type arc lamps. 2,870,379, 1-20-59, Cl. 315-174.
- Bird, Lester F., to Engelhard Industries, Inc. Electrical circuit for electrical discharge lamps. 2,872,623, 2-3-59, Cl. 315-224.
- Bird, Lester F., to Engelhard Industries, Inc. Starting and operating circuit for high pressure arc lamps. 2,889,489, 6-2-59, Cl. 315-100.
- Bird, Lester F., to Engelhard Industries, Inc. Automatic wattage regulator for electrical devices. 2,898,545, 8-4-59, Cl. 323-77.
- Bird Machine Co.: See—  
Cannon, Madison M. 2,897,972.
- Roos, John T. 2,888,142.
- Smith, Richmond W. 2,905,241.
- Bird, Raymond, to International Computers and Tabulators Ltd. Electronic calculating apparatus for addition and subtraction. 2,904,252, 9-15-59, Cl. 235-176.
- Bird, Raymond, and B. Taylor, to The British Tabulating Machine Co. Ltd. Data storage devices. 2,890,439, 6-9-59, Cl. 340-173.
- Bird & Son, Inc.: See—  
Traudt, Stephen C., Curran, and Beale. 2,908,464.
- Zitke, Ernest J. 2,905,569.
- Bird, Sydney S., & Sons Ltd.: See—  
Ganderton, Peter C. 2,902,571.
- Bird, Walter, to W. S. Correll. Automobile house and camping trailer, and method of manufacturing the same. 2,894,783, 7-14-59, Cl. 296-23.
- Bird, William H., O. S. Plantinga, and J. E. Newsome, to Johnson & Johnson. Fibrous absorbent ball and method of producing same. 2,899,337, 8-11-59, Cl. 117-64.
- Birden, John H., to United States of America, Atomic Energy Commission. Fabrication of neutron sources. 2,870,339, 1-20-59, Cl. 250-84.5.
- Birden, John H., to United States of America, Atomic Energy Commission. Fabrication of neutron sources. 2,883,553, 4-21-59, Cl. 250-84.5.
- Birden, John H., to United States of America, Atomic Energy Commission. Method of preparing polonium-boron sources. 2,898,473, 8-4-59, Cl. 250-84.5.



Birden, John H., and K. C. Jordan, to United States of America, Atomic Energy Commission. Radioactive battery. 2,913,510, 11-17-59, Cl. 136-4.

Birdsall, Charles J. Trailer landing gear. 2,891,805, 6-23-59, Cl. 280-150.5.

Birdsall, Charles K.: See—  
Everhart, Thomas E., and Birdsall. 2,870,367.

Birdsall, Charles K., and L. M. Field, to Hughes Aircraft Co. Microwave tube. 2,885,641, 5-5-59, Cl. 333-31.

Birdsall, Charles K., and S. Sensiper, to Hughes Aircraft Co. Traveling-wave tube. 2,889,487, 6-2-59, Cl. 315-3.6.

Birdsall, Charles K., and L. M. Field, to Hughes Aircraft Co. Linear magnetron traveling wave tube. 2,896,117, 7-21-59, Cl. 315-39.3.

Birdsboro Steel Foundry and Machine Co.: See—  
Peterson, Edward C. 2,907,236.  
Peterson, Edward T. 2,878,918.  
Peterson, Edward T. 2,886,993.

Birdseye, Clarence, to Process Evaluation and Development Corp. Process for storing and digesting of fibrous agricultural residues. 2,899,350, 8-11-59, Cl. 162-90.

Birdseye, Sidney H., 50% to B. M. Landemann. Apparatus for optically mixing colors. 2,867,916, 1-13-59, Cl. 35-19.

Birdwell, Bertie F.: See—  
Priest, Gerald G., Morgan, Lytle, Caldwell, and Birdwell. 2,898,294.

Birdwell, Bertie F., G. G. Priest, and B. E. Morgan, to Jersey Production Research Co. Well completion. 2,894,584, 7-14-59, Cl. 166-42.

Birdwhistell, Ralph K., H. E. Ulmer, and L. L. Quill, to Olin Mathieson Chemical Corp. Manufacture of diborane by electrolysis of metal borohydrides. 2,876,179, 3-3-59, Cl. 204-59.

Birge Co., Inc.: See—  
Hadley, Norman F. 2,884,715.

Birge, Warren A., to The Martin Co. Precision interval timer. 2,882,495, 4-14-59, Cl. 324-68.

Birk, Ted W. Rotary internal combustion engine. 2,878,793, 3-24-59, Cl. 123-17.

Birkemeier, Henry P., to Bell & Gossett Co. Vibrating reed oscillator controller. 2,872,598, 2-3-59, Cl. 310-25.

Birkenmeyer, Robert D.: See—  
Kagan, Fred, and Birkenmeyer. 2,905,675.  
Speeter, Merrill E., and Birkenmeyer. 2,901,507.

Birkett, Keith H., Superior Products Co. Vaporizing fire extinguisher fluid. 2,897,151, 7-28-59, Cl. 252-8.

Birkhoff, Robert D., and H. H. Hubbell, Jr., and R. M. Johnson, Jr., to United States of America, Atomic Energy Commission. Personnel dosimeter. 2,875,343, 2-24-59, Cl. 250-83.3.

Birkland, Stellan, and R. B. Neuberger, to American Can Co. Driving clutch mechanism. 2,881,891, 4-14-59, Cl. 192-84.

Birkmaier, John. Valve actuating mechanism. 2,892,611, 6-30-59, Cl. 251-229.

Birkmeyer, Clement E., Sr., to Big "A" Mfg. Co. Supporting apparatus for sliding doors. 2,904,824, 9-22-59, Cl. 16-94.

Birmann, Rudolph, to De Laval Steam Turbine Co. Turbo-charger for internal combustion engines. 2,899,797, 8-18-59, Cl. 60-13.

Birmann, Rudolph, to De Laval Steam Turbine Co. Turbo-compressor. 2,911,138, 11-3-59, Cl. 230-116.

Birmingham, Bascom W., E. H. Brown, R. B. Scott, and P. C. Vander Arend, to United States of America, Atomic Energy Commission. Supporting and heat insulating means. 2,871,042, 1-27-59, Cl. 287-20.

Birmingham Industries, Inc.: See—  
Becker, Nathan. 2,867,011.

Birmingham Small Arms Co. Ltd.: See—  
Bishop, Edward. 2,918,368.  
Harris, Geoffrey T., and Child. 2,905,577.  
Judson, Charles A., and Collins. 2,905,326.  
Kellett, Eric, and Chambers. 2,867,868.  
Marshall, Peter R., and Ridout. 2,872,311.  
Tomlinson, Geoffrey E. S. 2,883,199.  
Tomlinson, Geoffrey E. S. 2,884,105.

Birmingham, William G., Jr. Packaging and mixing or processing kit. 2,874,830, 2-24-59, Cl. 206-47.

Birnbaum, Hermann, to Hochmeister, Inc. Process for preparing monoglycerides of fatty acids. 2,875,221, 2-24-59, Cl. 280-410.7.

Birney, George A., to Colprovia Roads, Inc. Bituminous paving method. 2,876,686, 3-10-59, Cl. 94-23.

Birnkant, Cecil H., to Birnkant Frozen Confection Co. Manufacture of edible food containers. 2,890,958, 6-16-59, Cl. 99-88.

Birnkant Frozen Confection Co.: See—  
Birnkant, Cecil H. 2,890,958.

Birr, Rudolph G., to American Linen Supply Co. Universal joint. 2,899,225, 8-11-59, Cl. 287-20.

Birr, Rudolph G., to American Linen Supply Co. Towel dispensing cabinets. 2,899,251, 8-11-59, Cl. 312-38.

Birrell, James G. Interchangeable fishing float and sinker. 2,877,594, 3-17-59, Cl. 43-42.74.

Birren, Faber: See—  
Whiteford, Errington A., and Birren. 2,916,304.

Birtwell, William C., and L. E. Harper, to B-I-F Industries, Inc. Feed controlling apparatus. 2,872,074, 2-3-59, Cl. 222-55.

Birum, Gail H.: See—  
Gaertner, Van R., and Birum. 2,879,283.  
Heininger, Samuel A., and Birum. 2,870,209.  
Heininger, Samuel A., and Birum. 2,875,250.  
Heininger, Samuel A., and Birum. 2,883,317.  
Heininger, Samuel A., and Birum. 2,913,479.  
Heininger, Samuel A., and Birum. 2,913,480.  
Heininger, Samuel A., and Birum. 2,919,224.  
Heininger, Samuel A., and Birum. 2,919,225.

Birum, Gail H., to Monsanto Chemical Co. Esters of thiol-carboxylic acids. 2,875,228, 2-24-59, Cl. 280-455.

Birum, Gail H., to Monsanto Chemical Co. Dialkyl and di-(haloalkyl)  $\alpha$ -mercaptophosphonate esters and process for their preparation. 2,879,285, 3-24-59, Cl. 260-461.

Birum, Gail H., to Monsanto Chemical Co. Nematocide control. 2,909,457, 10-20-59, Cl. 167-30.

Birum, Gail H., to Monsanto Chemical Co. Organic phosphorus complex. 2,909,544, 10-20-59, Cl. 260-438.

Birum, Gail H., to Monsanto Chemical Co. Bacteriostat. 2,913,368, 11-17-59, Cl. 167-22.

Birum, Gail H., and S. A. Heininger, to Monsanto Chemical Co. Toxic reaction products of organosulfonilamines with dialkyl phosphites. 2,893,910, 7-7-59, Cl. 167-22.

Birum, Herbert L., Jr.: See—  
Hammit, Andrew B., and Birum. 2,910,154.  
Hammit, Andrew B., and Birum. 2,918,153.

Birx, Donald L., to Radio Condenser Co. Signal seek tuner. 2,876,356, 3-3-59, Cl. 250-40.

Bisby, Harry, D. R. Chapman, and S. J. Matthews, deceased (by A. I. Matthews, executrix); said A. I. Matthews assor. to Baird & Tatlock (London) Ltd. Liquid metering apparatus. 2,891,699, 6-23-59, Cl. 222-56.

Bischof, Joseph. Pedestals for tables or chairs. 2,916,241, 12-8-59, Cl. 248-188.

Bischoff, Alfred F., to General Electric Co. Variable output control for linear accelerators. 2,887,580, 5-19-59, Cl. 250-36.

Bischoff, Kurt: See—  
Spengler, Herbert, Bischoff, and Dreeskampff. 2,884,783.

Bisgard, Andrew N., F. A. Robinson, and J. P. Spies. Loading assemblies for use in filling diesel locomotive fuel tanks. 2,869,594, 1-20-59, Cl. 141-209.

Bishaf, Morris, to Stein Bros. Mfg. Co. Safety belt and buckle structure. 2,896,284, 7-28-59, Cl. 24-75.

Bishman Mfg. Co.: See—  
Bishman, Walter A. 2,883,858.  
Bishman, Walter A. 2,886,099.  
Bishman, Walter A. 2,897,881.

Bishman, Walter A., to Bishman Mfg. Co. Tubeless tire tester. 2,883,858, 4-28-59, Cl. 73-45.6.

Bishman, Walter A., to Bishman Mfg. Co. Tread compressing type tire bead seating device. 2,886,099, 5-12-59, Cl. 157-1.21.

Bishman, Walter A., to Bishman Mfg. Co. Bead seating tool for tubeless tires. 2,897,881, 8-4-59, Cl. 157-1.21.

Bishofberger, Carl J., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,882,371, 4-14-59, Cl. 200-138.

Bishofberger, Carl J., to Minneapolis-Honeywell Regulator Co. Valve. 2,890,391, 6-9-59, Cl. 317-132.

Bishofberger, Carl J., to Minneapolis-Honeywell Regulator Co. Burner control apparatus. 2,894,567, 7-14-59, Cl. 158-28.

Bishofberger, Carl J., to Minneapolis-Honeywell Regulator Co. Electrically operable safety control apparatus. 2,910,118, 10-27-59, Cl. 158-28.

Bishop, Alfred E., to The Commonwealth Engineering Co. of Ohio. Fibers and filaments from dextran derivatives. 2,914,415, 11-24-59, Cl. 106-162.

Bishop and Babcock Mfg. Co.: See—  
Getz, Arnstead G. 2,906,099.  
Getz, Arnstead G. 2,906,508.  
Mayo, Edward L. 2,902,827.  
Mayo, Edward L. 2,906,098.  
Mayo, Edward L. 2,906,292.

Bishop, Donald R.: See—  
Bartlett, Phillip D., Bishop, Whittier, and Wright. 2,873,657.

Bishop, Edward, to The Birmingham Small Arms Co. Ltd. Production of powder-metallurgy articles. 2,918,368, 12-22-59, Cl. 75-222.

Bishop, Edwin V., to K. Y. Messick. Packaging means for articles that are deleteriously affected by moisture. 2,912,138, 11-10-59, Cl. 220-85.

Bishop, George F. L.: See—  
Johnston, Kenneth L., and Bishop. 2,893,950.

Bishop, Gordon W. Cleaning and de-waxing devices for conveyors. 2,885,068, 5-5-59, Cl. 198-229.

Bishop, Gwladys M.: See—  
Evans, Howard, and Worn. 2,889,224.

Bishop, Harold W., and B. A. Strout, to United Shoe Machinery Corp. Machines for installing components. 2,877,541, 3-17-59, Cl. 29-203.

Bishop, Joel L. Bile bag. 2,900,979, 8-25-59, Cl. 128-283.

Bishop, John I., to The L. S. Starrett Co. Dial hole gauge. 2,910,781, 11-3-59, Cl. 33-178.

Bishop, John R.: See—  
Leaper, Joseph M. F., Bishop, and Anderson. 2,904,422.

Bishop, John W., to Tide Water Associated Oil Co. Hydrocarbon fuel. 2,881,062, 4-7-59, Cl. 44-69.

Bishop, John W. H. Combined ribbon spool and re-inker. 2,869,706, 1-20-59, Cl. 197-171.

Bishop, John W. H. Typewriter ribbon spool and the like. 2,873,839, 2-17-59, Cl. 197-175.

Bishop, John W. H. Clean change ribbon spool and assembly. 2,880,840, 4-7-59, Cl. 197-175.

Bishop, John W. H. Ribbon re-inker. 2,906,389, 9-29-59, Cl. 197-171.

Bishop, Leonard J., to Mechanical Handling Systems, Inc. Apparatus for mixing and feeding shell molding material. 2,875,524, 3-17-59, Cl. 22-89.

Bishop, Leonard J., and P. Klamp, to Mechanical Handling Systems, Inc. Mechanically operated power and free conveyor system. 2,868,138, 1-13-59, Cl. 104-88.

Bishop, Leonard J., and J. H. Barlow, to Mechanical Handling Systems, Inc. Power and free conveyor system. 2,875,703, 3-3-59, Cl. 104-96.

Bishop, Leonard J., and R. Haase, to Mechanical Handling Systems, Inc. Multiple choke switch mechanism. 2,897,769, 8-4-59, Cl. 104-88.

Bishop, Lewis H., to The Associated Portland Cement Mfg. Ltd. Cutting and handling machine for cement slurry cake, pug and like materials. 2,874,910, 2-24-59, Cl. 241-95.

Bishop, Lewis H., and C. G. Lea, to Pierce Specialized Equipment Co. Collating tray and assembly. 2,914,189, 11-24-59, Cl. 211-129.

Bishop, Ray H. Container with tray lids. 2,897,999, 8-4-59, Cl. 220-29.

Bishop, Ray H., to Del-Tra Co. Pallet for carrying bread or the like. 2,915,213, 12-1-59, Cl. 220-23.4.

Bishop, Ronald L. W., D. Jewell, D. Hadov, and J. Statsinger, to American Bosch Arma Corp. Gyroscopic devices. 2,896,455, 7-28-59, Cl. 74-5.5.

Bishop, Walter F., to The Firestone Tire & Rubber Co. Bead seating device for tubeless tires. 2,874,760, 2-24-59, Cl. 157-1.1.

Biskup, Angela J. Holding bracket. 2,879,962, 3-31-59, Cl. 244-48.1.

Bislin, Bernhard, to Aktiengesellschaft Brown, Boveri & Cie. Multiple spark gap arrangement for lightning arresters. 2,913,626, 11-17-59, Cl. 315-36.

Bissell Carpet Sweeper Co.: See—  
Lathrop, Henry T. 2,918,687.

Bissell, Kathleen M., and W. J. executor of the estate of said K. M. Bissell, deceased, to B. H. Marlor and C. L. Maltby. Rake finger construction. 2,883,820, 4-28-59, Cl. 56-400.17.

Bissell, William J.: See—  
Bissell, Kathleen M., and W. J. 2,883,820.

Bissey, Jacques. Apparatus for boring tubular work. 2,873,632, 2-17-59, Cl. 77-58.

Bissinger, Walter J., to Oswald & Eberhardt, Inc. Weight-compensating means for precision-shifted members. 2,869,933, 1-20-59, Cl. 308-5.

Bisterfeld, Karl A., to North American Phillips Co., Inc. Support or stay member for parts of the electrode systems of electric discharge tubes. 2,874,209, 2-17-59, Cl. 174-167.

Bisterfeld & Stolling: See—  
Osenberg, Werner. 2,882,655.  
Osenberg, Werner. 2,909,417.

Biswell, Charles R., to E. I. du Pont de Nemours and Co. Process for gelling distillate hydrocarbon fuels. 2,873,178, 2-10-59, Cl. 44-7.

Bither, Harold A. Multiplex terminal spreader. 2,868,861, 1-13-59, Cl. 174-43.

Bither, Tom A., Jr., to E. I. du Pont de Nemours and Co. Ternary sulphides, selenides and tellurides of bismuth and thallium and their preparation. 2,893,831, 7-7-59, Cl. 23-50.

Bitter Co., Inc.: See—  
McDonald, Robert L., and Burzlaff. 2,895,775.

Bitter, Verner W.: See—  
Van Loo, Maurice, and Bitter. 2,886,456.

Bitting, Robert C., Jr.: See—  
Crooks, Horatio N., and Bitting. 2,912,493.

Bittle, Dewey D. Garbage can holder. 2,891,753, 6-23-59, Cl. 248-149.

Bittle, Harold G.: See—  
Vogel, Henry A., and Bittle. 2,870,116.  
Vogel, Henry A., Bittle, and Christenson. 2,870,117.

Bittmann, Eric E.: See—  
Ricketts, James B., Jr., Bittmann, and Deutsch. 2,915,740.

Bittner, Emory M. Car interior snack tray. 2,893,802, 7-7-59, Cl. 311-22.

Bittner, Fredwill. Fire extinguisher. 2,873,806, 2-17-59, Cl. 169-36.

Bittner, Friedrich: See—  
Asendorf, Erich, and Bittner. 2,904,400.

Bittner, Harry E. Bird proofing device. 2,887,730, 5-26-59, Cl. 20-1.

Bittner, Louis, and A. Wilson. Interchangeable ornamental indoor television antenna. 2,885,673, 5-5-59, Cl. 343-720.

Bittorf, Irvin, to E. Bougher. Fuel metering system. 2,896,852, 7-28-59, Cl. 237-2.

Bituminous Coal Research, Inc.: See—  
Jamison, Will B., and Derringer. 2,868,526.  
Von Stroh, Gerald F. H., and Bowman. 2,868,527.

Yellott, John I. 2,916,217.

Yellott, John I., and Broadley. 2,869,677.

Yellott, John I., and Broadley. 2,888,804.

Yellott, John I., and Broadley. 2,911,065.

Bitzenburger, Henry A. Arrow fletching jig setting gauge. 2,881,531, 4-14-59, Cl. 33-150.

Bitzenburger, Henry A. Arrow fletching jig. 2,884,968, 5-5-59, Cl. 141-289.

Bitzer, Gottlob: See—  
Bauer, Kurt P., Bitzer, and Haehnel. 2,898,753.

Bitzer, Martin: See—  
Deibel, Raymond A., and Bitzer. 2,869,167.  
Riester, William C., and Bitzer. 2,889,818.

Bitzer, Martin, to Trico Products Corp. Windshield washer. 2,881,959, 4-14-59, Cl. 222-334.

Bivens, Carl F. Optical lenses. 2,868,075, 1-13-59, Cl. 88-54.

Bixby, Kenneth R. Screen. 2,893,560, 7-7-59, Cl. 209-394.

Bixby, Leo A., to Rockwell-Standard Corp. Transmission. 2,890,772, 6-16-59, Cl. 192-3.5.

Bixby, William H., to Power Equipment Co. Current supply apparatus. 2,903,640, 9-8-59, Cl. 321-19.

Bixby-Zimmer Engineering Co.: See—  
Rose, Colin G. 2,911,097.

Bixenman, Ames E. Aquarium display device. 2,872,749, 2-10-59, Cl. 40-37.

Bizak, Louis D.: See—  
Klamm, Carl E., and Bizak. 2,896,691.

Bizjak, Stanley. Air deflecting vanes for steering air propelled vehicles. 2,914,013, 11-24-59, Cl. 114-43.

Bizouard, Paul, and Y. Hardouin, to Compagnie pour la Fabrication des Compteurs et Materiel. Damping device for oscillating members of electro-mechanical apparatus. 2,896,164, 7-21-59, Cl. 324-125.

Bjalmé, Bengt G., to Reed Mfg. Co. Adjustable cam operated die head. 2,885,698, 5-12-59, Cl. 10-122.

Bjelland, John L., and F. W. Flynn, to Powers Chemco, Inc. Stop rationer for photoengraving camera. 2,900,869, 8-25-59, Cl. 88-24.

Bjering, Olav: See—  
Hohl, John, and Bjering. 2,915,029.

Bjering, Olav, to Owens-Illinois Glass Co. Container closing apparatus. 2,876,606, 3-10-59, Cl. 53-317.

Bjering, Olav, to Owens-Illinois Glass Co. Container closing apparatus. 2,884,751, 5-5-59, Cl. 53-317.

Bjerre, Peder, to Massey-Ferguson Inc. Distributor. 2,881,956, 4-14-59, Cl. 222-185.

Bjorgan, Ovide A. Sewing machine head elevator. 2,909,401, 10-20-59, Cl. 312-30.

Bjork, John C. H.: See—  
Nilsson, Nils E., Bjork, and Rodnert. 2,886,646.  
Nilsson, Nils E., Bjork, Rodnert, and Jonsson. 2,909,607.  
Nilsson, Nils E., Rodnert, and Bjork. 2,871,299.

Bjorklund, Gustaf E. Fasteners. 2,886,354, 5-12-59, Cl. 287-52.

Bjorklund, Gustaf E., and S. R. Edvardsson, to Aktiebolaget Dentatus. Cutting device. 2,899,744, 8-18-59, Cl. 30-180.

Bjorkman, Anders A. V., K. E. Lindblad, and A. Planfeldt, to Vibro-Plus Corp. Road surface coating breaker having a vibrated roller. 2,874,948, 2-24-59, Cl. 262-19.

Bjorksten, Johan: See—  
Eisen, John B., Nachman, Bjorksten, and Roe. 2,907,626.

Bjorksten Research Laboratories, Inc.: See—  
Cox, Robert P., and Yaeger. 2,877,207.  
Eisen, John B., 2,902,530.  
Eisen, John B., Nachman, Bjorksten, and Roe. 2,907,626.  
Fiedler, William S. 2,895,819.  
Meyer, Earl A. 2,877,164.  
Meyer, Earl A., and Bina. 2,869,761.

Bjorson, Bjorn G., and E. Bruce, to Bell Telephone Laboratories, Inc. Transistor switching network for communication system. 2,876,285, 3-3-59, Cl. 179-18.

Blaber, Jane A.: See—  
Holden, Robert B., Powers, and Blaber. 2,905,552.

Blaber, Oliver J.: See—  
Holden, Robert B., Powers, and Blaber. 2,905,552.

Blacher, George J.: See—  
Hutchins, Alma A. 2,867,142.

Black, Aubra D.: See—  
Argo, William M. 2,882,529.

Black-Clawson Co.: See—  
Corbin, Wesley S., Pearson, and Walden. 2,870,690.  
Corbin, Wesley S., and Walden. 2,888,073.  
Jacobs, Robert J., and Persson. 2,870,738.  
Martindale, James H., Jr. 2,916,777.  
Phelps, Richard W. 2,901,191.  
Phelps, Richard W. 2,915,255.  
Sakata, George, and Powers. 2,887,277.  
Wisner, Isle R., Corbin, and Walden. 2,870,691.  
Wisner, Isle R., Corbin, and Walden. 2,870,692.

Black & Decker Mfg. Co.: See—  
Baxter, John C. 2,917,760.  
Lee, Walter. 2,882,596.  
March, Clifton J. 2,874,985.

Black, Emerson W., and Z. A. Ferrel. Duster. 2,897,776, 8-4-59, Cl. 118-13.

Black, Geoffrey D., to The British Oxygen Co. Ltd. Valve means. 2,893,381, 7-7-59, Cl. 128-29.

Black, Isadore E. Automatic dispensing apparatus for dispensing towels, wiping cloths and like articles. 2,901,145, 8-25-59, Cl. 221-34.

Black, James A. Machine for drying coated sheet stock. 2,907,120, 10-6-59, Cl. 34-216.

Black, James A. Stencilling machine. 2,917,997, 12-22-59, Cl. 101-126.



Black, James F.: See—  
Thwaites, Herman L., and Black. 2,904,482.

Black, James F., and E. O. Forster, to Esso Research and Engineering Co. Method and apparatus for measuring specific activity of radioactive materials in small quantities. 2,905,825, 9-22-59, Cl. 250-83.

Black, James G., Jr.: See—  
Rayburn, Charles C., and Black. 2,905,744.

Black, James G., Jr., and C. C. Rayburn, to ACF Industries, Inc. Orienting feeder. 2,914,161, 11-24-59, Cl. 193-33.

Black, James H., to Reading Anthracite Co. Process for the economic utilization of waste carbonaceous material of fuel ashes; and the resulting products. 2,907,651, 10-6-59, Cl. 75-10.

Black, James J., to Trallmobile Inc. Connectors for removable cattle racks for vehicles. 2,882,088, 4-14-59, Cl. 296-12.

Black, James J., W. B. Brian, M. J. Frechle, W. R. Hummel, A. McIlhenny, F. H. Rahe, and R. W. Suman, to American-Hawaiian Steamship Co. Cargo and freight transporting systems. 2,894,650, 7-14-59, Cl. 214-38.

Black, John P., to Koppers Co., Inc. Method and apparatus for continuous casting of metals. 2,905,989, 9-29-59, Cl. 22-57.3.

Black, John W., to Pemco Wheel Co. Cart having spring suspended caster wheels. 2,914,340, 11-24-59, Cl. 280-124.

Black, Lloyd V.: See—  
McRoberts, William C., and Black. 2,876,594.

Black, Lloyd V., and J. B. Moorhead, to Pittsburgh Plate Glass Co. Apparatus for tempering curved glass sheets. 2,876,592, 3-10-59, Cl. 49-45.

Black, Louis D., Jr., and S. A. Brown. Mounting for a lighting fixture. 2,898,073, 8-4-59, Cl. 248-317.

Black, Marion B.: See—  
Black, William A. 2,909,762.

Black, Otis D., and L. H. Cutler, to Radio Corp. of America. Method of etching copper. 2,908,557, 10-13-59, Cl. 41-42.

Black, Paul F., R. H. Gill, and W. J. Le Blanc, to The B. F. Goodrich Co. Method of making hose assembly. 2,916,816, 12-15-59, Cl. 29-507.

Black Products Co.: See—  
Lau, Erwin M. 2,871,891.

Black, Ralph C. Alternately supportable service tray. 2,880,046, 3-31-59, Cl. 311-22.

Black, Raymond D., to United States of America, Air Force. Apparatus for processing acoustic damping material. 2,913,838, 11-24-59, Cl. 38-44.

Black, Richard M., to Teddington Development Corp. Car journal lubricator. 2,914,363, 11-24-59, Cl. 308-88.

Black, Robert H., J. G. Ross, G. H. Snodderly, S. C. Juran, and F. C. Drolman. Pin-spotting mechanism. 2,879,997, 3-31-59, Cl. 273-47.

Black, Robert H., J. G. Ross, G. H. Snodderly, S. C. Juran, and F. C. Drolman. 63% to said Black, 21% to said Ross, 8% to said Snodderly, 4% to said Juran, and 4% to said Drolman. Bowling pin transfer mechanism. 2,890,030, 6-9-59, Cl. 273-43.

Black, Robert P. S.: See—  
Ritter, David M., and Black. 2,906,597.

Black, Robert S., and J. S. Carroll. Roll type glue spreaders, surface coaters, and the like. 2,881,731, 4-14-59, Cl. 118-1.

Black, Robert S., and J. S. Carroll. Roll type glue spreaders, surface coaters, and the like. 2,912,980, 11-17-59, Cl. 118-5.

Black, Seymour A.: See—  
Cadwell, Sidney M., White, Black, and Varvaro. 2,873,790.

Black, Sivalis & Bryson, Inc.: See—  
Chaple, William F., and McMinn. 2,868,315.

Coffman, Robert S. 2,868,412.

Coffman, Robert S. 2,875,921.

Coffman, Robert S. 2,889,070.

Coffman, Robert S. 2,889,071.

Coffman, Robert S. 2,915,216.

Ellis, George O. 2,884,860.

Hansen, Franklin A., and Roetjer. 2,872,938.

Leusler, Wayne E., Wood, and Teal. 2,868,313.

Leusler, Wayne E., Wood, and Teal. 2,868,314.

Mitchell, Kenneth G., McMinn, and Laurence. 2,909,905.

Vallant, Charles B., and Scheirman. 2,910,136.

Black, Starr & Gorham: See—  
Tarleton, Howard A., and Rothrock. 2,897,958.

Black, Thomas R. Hydraulic valve. 2,919,101, 12-29-59, Cl. 251-25.

Black, William A., deceased; M. B. Black, executrix, to General Time Corp. Coded signal receiver. 2,909,762, 10-20-59, Cl. 340-164.

Black, William B., and H. G. Clark, to The Chemstrand Corp. Carbon disulfide activation in pyrrolidone polymerization. 2,912,415, 11-10-59, Cl. 260-78.

Black, William J., to Curtiss-Wright Corp. Child's toilet training seat. 2,880,786, 4-7-59, Cl. 153-131.

Black, William J., to Curtiss-Wright Corp. Wheel cover with locking devices. 2,902,316, 9-1-59, Cl. 301-37.

Black, William T.: See—  
Bailey, Donald L., and Black. 2,868,825.

Bailey, Donald L., and Black. 2,868,826.

Blackadder, Robert L. S., J. R. M. Vaughan, and P. Young, to Electric & Musical Industries Ltd. High frequency transmitting windows. 2,883,631, 4-21-59, Cl. 333-98.

Blackbourn, Robert W.: See—  
Thompson, Ivan P., Allmang, Hartmann, Winter, and Blackbourn. 2,873,224.

Blackburn, Alan B., to General Motors Corp. Valve actuating means. 2,912,008, 11-10-59, Cl. 137-623.

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Blackburn, Andrew R., and R. E. Steele, to Ram Inc. Method and apparatus for molding and hardening articles. 2,882,569, 4-21-59, Cl. 22-193.

Blackburn, Charles M., to American Cyanamid Co. Apparatus for dispensing material. 2,919,160, 12-29-59, Cl. 302-57.

Blackburn, Glen G., to The Berst Corp. Method for internally cementing cartons and laminates. 2,885,840, 3-12-59, Cl. 53-22.

Blackburn, Jasper, Corp.: See—  
Toedtmann, John A., and Dodson. 2,915,733.

Blackburn, Luther A. Multiple cylinder, elastic fluid counter-balanced pump jack. 2,902,884, 9-8-59, Cl. 74-589.

Blackburn, Mack O., to General Motors Corp. Shot peening apparatus. 2,900,765, 8-25-59, Cl. 51-9.

Blackburn, Richard E., to Container Corp. of America. Paper board case. 2,876,945, 3-10-59, Cl. 229-45.

Blackford, Benjamin, Jr.: See—  
Hazelett, Clarence W. 2,904,860.

Blackford, Benjamin B., to Johnson & Johnson. Process for treating sheet material. 2,882,179, 4-14-59, Cl. 117-47.

Blackford, Benjamin B., to Johnson & Johnson. Adhesive-coated fabrics. 2,909,278, 10-20-59, Cl. 206-59.

Blackford, Benjamin B., and G. W. McLaren, Jr., to Johnson & Johnson. Adhesive tape with convolutions tensioned under predetermined program. 2,876,893, 3-10-59, Cl. 206-59.

Blackford, Stephen H., to International Business Machines Corp. Apparatus for the magnetic recording of data. 2,919,431, 12-29-59, Cl. 340-174.

Blackhawk Instrument Co.: See—  
Pierre, Franklin W., and Woehr. 2,889,918.

Blackhawk Mfg. Co.: See—  
Fleissate, Clarence L. 2,871,908.

Goehrig, George H., Jr., and Southerwick. 2,909,367.

Hayman, Dennis J. 2,914,369.

Holt, Clare E. 2,867,087.

Southerwick, Harold I. 2,867,409.

Southerwick, Harold I. 2,867,410.

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Stovern, Ingram V., and Vallee. 2,895,712.

Trenmann, Raymond J. 2,867,261.

Blackhurst, George B., to The British Oxygen Co. Ltd. Electric arc welding. 2,916,654, 12-8-59, Cl. 314-61.

Blackler, Francis G.: See—  
Groot, Theodor C., Janssen, Stephenson, and Blackler. 2,907,619.

Blacklock, Kenneth A.: See—  
Howlett, John W., and Blacklock. 2,893,796.

Blackman, Arthur W., Jr.: See—  
Lewis, George D., and Blackman. 2,911,788.

Blackman, Arthur W., Jr., and G. D. Lewis, to United Aircraft Corp. Rotating flameholder. 2,911,791, 11-10-59, Cl. 60-39.72.

Blackman, Arthur W., Jr., and E. H. Diamond, to United Aircraft Corp. Flameholder with boundary layer control. 2,912,825, 11-17-59, Cl. 60-39.72.

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Blackman, Calvin C., to L. Wilson. Oil burner. 2,903,051, 9-8-59, Cl. 158-28.

Blackman, Keith, Ltd.: See—  
Tavener, Ernest E. 2,902,047.

Blackman, Paul R., and W. B. Moon, to Air Reduction Co., Inc. Concentric-hopper batch-feeder. 2,891,782, 6-23-59, Cl. 266-24.

Blackman, Reed J. Fan-type insect catching device. 2,883,790, 4-28-59, Cl. 43-113.

Blackman, Seymour N., to Omega Precision Medical Instrument Co., Inc. Hypodermic syringes. 2,874,694, 2-24-59, Cl. 128-218.

Blackman, Vernon H.: See—  
Giannini, Gabriel M., and Blackman. 2,919,370.

Blackmer, Suzanne K.: See—  
Houghtelling, Ayres. 2,870,935.

Blackmore, Fred N., to Plastiform Co. Plastic boat. 2,866,985, 1-6-59, Cl. 9-6.

Blackshear, Roy S. Desk telephone stand. 2,886,275, 5-12-59, Cl. 248-175.

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Blackstone Corp.: See—  
Laudenslager, Harry B., Jr. 2,895,862.

Murdoch, Alexander, Jr. 2,874,316.

Blackstone, Henry, to Servo Corp. of America. Optical scanner for determining velocity altitude. 2,878,711, 3-24-59, Cl. 88-1.

Blackstone, Henry, to Servo Corp. of America. Optical scanner for determining velocity altitude. 2,878,713, 3-24-59, Cl. 88-1.

Blackstone, Henry, to Servo Corp. of America. Radiant energy ground-clearance meter. 2,882,783, 4-21-59, Cl. 88-1.

Blackstone, Henry, to Servo Corp. of America. Scanning mechanism. 2,914,608, 11-24-59, Cl. 178-6.8.

Blackstone, Henry, and F. G. Willey, to Servo Corp. of America. Airborne scanner for determining V/H rate. 2,878,712, 3-24-59, Cl. 88-1.

Blackwell, Alexander L.: See—  
Baranaukas, Charles F., Blackwell, and Olmstead. 2,903,463.

Blackwell, Dana J., and E. F. Zawacki, to Lewis Engineering Co. Illuminated meter. 2,874,671, 2-24-59, Cl. 116-129.

Blackwell, Dana J., and E. F. Zawacki, to Lewis Engineering Co. Illuminated indicator means and instrument. 2,914,021, 11-24-59, Cl. 116-129.

Blackwell, Richard L. Cigarette holder. 2,910,074, 10-27-59, Cl. 131-257.

Blackwell, Stephen R.: See—  
Pritchard, Jack D., and Blackwell. 2,913,226.

Blackwood, Noah L. Plow sweep. 2,877,061, 3-10-59, Cl. 306-1.6.

Blaes, Virgo A. Automatic tape threading device. 2,891,736, 6-23-59, Cl. 242-55.12.

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Blagg, Leon. Soap holder. 2,891,348, 6-23-59, Cl. 45-28.

Blaha, Emil, to Sela Corp. of America. Radiant cup type gas burner. 2,904,108, 9-15-59, Cl. 158-113.

Blahnik, Carl E. Gas actuated guns. 2,881,752, 4-14-59, Cl. 124-11.

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Eckert, John P., Jr., and Blain. 2,905,767.

Blain, Albert. Record playing devices. 2,878,024, 3-17-59, Cl. 274-10.

Blain, Albert, to Sperry Rand Corp. Paper stacking guides. 2,906,527, 9-29-59, Cl. 270-61.

Blain, Albert, H. F. Welsh, L. D. Wilson, F. Reed, S. Meyer, and E. O. Roggenstein, to Sperry Rand Corp. Machine for recording on magnetic tape. 2,874,369, 2-17-59, Cl. 340-174.

Blain, Albert, H. F. Welsh, L. D. Wilson, and F. Reed, to Sperry Rand Corp. Tape unit. 2,914,264, 11-24-59, Cl. 242-55.12.

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Blainey, Alan, to United States of America, Atomic Energy Commission. Production of sheet from particulate material. 2,886,433, 5-12-59, Cl. 75-214.

Blainey, Alan, to United States of America, Atomic Energy Commission. Thermal fission reactor compositions and method of fabricating same. 2,907,705, 10-6-59, Cl. 204-198.2.

Blair, Bertrand J.: See—  
Light, Douglas J. N., and Blair. 2,907,463.

Blair, Boyd C., to F. M. Brackett, d. b. a. Brackett Stripping Machine Co. Method of packaging boards and package thereof. 2,873,852, 2-17-59, Cl. 206-60.

Blair, Charles M., Jr.: See—  
Wirtel, Arthur E., and Blair. 2,888,399.

Blair, Edgar A., to The Welsbach Corp. Process for producing aromatic carbonyl compounds and peroxide compounds. 2,916,499, 12-8-59, Cl. 260-340.5.

Blair, Etyl H.: See—  
Britton, Edgar C., and Blair. 2,874,178.

Britton, Edgar C., Blair, and Tolkmith. 2,891,085.

Tolkmith, Henry Blair, Kauer, and Britton. 2,887,506.

Blair, Etyl H., to The Dow Chemical Co. Method for the manufacture of O-aryl O-(lower-alkyl) phosphorothioates. 2,887,505, 5-19-59, Cl. 260-461.

Blair, Etyl H., H. R. Slagb, and E. C. Britton, to The Dow Chemical Co. Bis-phosphoramidothioates. 2,870,189, 1-20-59, Cl. 260-461.

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Blair, John W., and M. L. Cripe, to Bendix Aviation Corp. Automatic braking device. 2,871,065, 1-27-59, Cl. 303-31.

Blair, Madeline E. Boudoir cap. 2,889,557, 6-9-59, Cl. 2-174.

Blair, Madeline E. Attachment for a hat. 2,897,511, 8-4-59, Cl. 2-185.

Blair, Robert C., to The British Plaster Board Holdings Ltd. Manufacture of cellular structures. 2,870,694, 1-27-59, Cl. 93-37.

Blair, Royer R., and J. R. Harris, to Bell Telephone Laboratories, Inc. Non-saturating junction-transistor circuits. 2,887,542, 5-19-59, Cl. 179-171.

Blair, Samuel, Jr., to Velveeray Corp. Cylindrical screen printing system. 2,906,201, 9-29-59, Cl. 101-116.

Blair, Winton B., to Schlumberger Well Surveying Corp. Firing system for electrically detonated borehole equipment. 2,871,784, 2-3-59, Cl. 102-21.6.

Blair, William E.: See—  
Moore, David W., and Blair. 2,901,741.

Blaiz, Joseph L., to Tricmit Hosiery Mills. Circular knitting machine. 2,872,795, 2-10-59, Cl. 66-40.

Blaiz, Joseph L., to Tricmit Hosiery Mills, Inc. Float trimmer for circular hosiery. 2,915,803, 12-8-59, Cl. 26-11.

Blaiz, Maurice E., to Raytheon Mfg. Co. Transistor assemblies. 2,882,464, 4-14-59, Cl. 317-235.

Blaisdell Pencil Co.: See—  
Gauthier, Philippe. 2,876,739.

Blaisdell, Sidney B., to Edmonds Co. Wire twisting machine. 2,877,620, 3-17-59, Cl. 57-58.34.

Blaisdell, William H.: See—  
Cundall, Lincoln A., and Blaisdell. 2,904,334.

Blaisie, Berndt S., to N. V. Optische Industrie "De Oude Delft." Panoramic camera. 2,879,703, 3-31-59, Cl. 95-16.

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Blake, Edward S., and W. C. Hammann, to Monsanto Chemical Co. Dicarboxylate esters of alcohol containing a quaternary carbon in the  $\beta$ -position. 2,889,354, 6-2-59, Cl. 260-468.

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Blake, James C., E. F. Dandy, and J. R. Haske, to United States of America, Army. Container cleaning machine. 2,910,077, 10-27-59, Cl. 134-168.

Blake, Leslie R., to British Thomson-Houston Co. Ltd. Dynamo-electric machines. 2,905,089, 9-22-59, Cl. 103-1.

Blake, Neal A., to International Telephone and Telegraph Corp. Blanking system. 2,911,469, 11-3-59, Cl. 178-7.2.

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Blake, Richard P.: See—  
Ware, Colin C., Blake, and Demers. 2,899,566.

Blake, Robert W.: See—  
Jurs, Peter C., Van Overveen, and Blake. 2,869,239.

Blake, William J. Safety seat for automobiles. 2,900,036, 8-18-59, Cl. 180-82.

Blakely, John W. Electric universal joint with unitary locking means. 2,887,329, 5-19-59, Cl. 285-168.

Blakely, Robert T., and D. C. Sprong. Electronic accumulator. 2,892,589, 6-30-59, Cl. 235-173.

Blancato, Virgil. Marine pier fender. 2,892,315, 6-30-59, Cl. 61-48.

Blanchard, Andre, to Schlumberger Well Surveying Corp. Electrical resistivity well logging methods and apparatus. 2,872,637, 2-3-59, Cl. 324-1.

Blanchard, Andre, to Schlumberger Well Surveying Corp. Apparatus for investigating earth formations. 2,903,070, 9-8-59, Cl. 166-100.

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Blanchard, Donn C. Supporting means for awning shutters. 2,873,487, 2-17-59, Cl. 20-57.5.

Blanchard, Louis, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey. Stabilizing sulphuric anhydride. 2,872,290, 2-3-59, Cl. 23-174.

Blanchard, Paul D.: See—  
Holt, Leo E., and Blanchard. 2,889,869.

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Blanchard, Wallace, Jr., to General Motors Corp. Propeller cuff assembly. 2,893,496, 7-7-59, Cl. 170-159.

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Blanchette, Albert G., and V. G. Ristvedt, to Brandt Automatic Cashier Co. Coin sorter. 2,906,276, 9-29-59, Cl. 133-3.

Blanchette, Joseph A., to Monsanto Chemical Co. Hydroxylated polystyrenes. 2,915,511, 12-1-59, Cl. 260-93.5.

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Belsky, Fred J., and Blank. 2,879,861.

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Evans, William I., and Blanco. 2,905,212.

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Blanco, Pauline M. Slide fastener actuator. 2,908,057, 10-13-59, Cl. 24-3.

Blanco, Raymond E., to United States of America, Atomic Energy Commission. Barium recovery process. 2,895,798, 7-21-59, Cl. 23-102.

Blanco-Cazaux, Armando: See—  
Piazza, Thomas E., and Blanco-Cazaux. 2,888,046.

Blanc, Julius, and E. D. McKeague, to Standard Oil Co. Welded aluminum coated tubular member and method of making same. 2,895,747, 7-21-59, Cl. 285-21.



- Bland, Thomas W., and L. A. O'Brien. Parallel detector fire alarm system. 2,867,793, 1-6-59, Cl. 340-227.
- Blanding, Forrest H., to Esso Research and Engineering Co. Hydrocarbon conversion process. 2,893,901, 7-21-59, Cl. 208-73.
- Blanding, Leonard C., to Lear, Inc. Miniature slip ring and brush assembly. 2,874,362, 2-17-59, Cl. 339-5.
- Blanding, Wendell S., and F. Zimar, to Corning Glass Works. Coating apparatus. 2,880,697, 4-7-59, Cl. 118-320.
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- Blankenbaker, John V., to Hughes Aircraft Co. Result-from-carry adder-subtractors. 2,892,587, 6-30-59, Cl. 235-164.
- Blankenbaker, John V., and R. R. Johnson, to Hughes Aircraft Co. Multiple input binary adder-subtractors. 2,888,202, 5-20-59, Cl. 235-61.
- Blankenbuehler, John H.: See—  
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- Blankenbuehler, John H., to The Hobart Brothers Co. Method and apparatus for welding. 2,910,640, 10-27-59, Cl. 321-8.
- Blankenship, Ernest B., and R. E. Goree. Quick acting incinerator sanitary closet. 2,903,709, 9-15-59, Cl. 4-131.
- Blankevoort, D., & Zoon N.V.: See—  
Blankevoort, Dirk. 2,906,402.
- Blankevoort, Dirk, to D. Blankevoort & Zoon N.V. Apparatus for the continuous drainage of wet sand. 2,906,402, 9-29-59, Cl. 210-400.
- Blanks, Henry S., to Marconi's Wireless Telegraph Co. Ltd. Processes for the manufacture of alloy type semiconductor rectifiers and transistors. 2,887,417, 5-19-59, Cl. 148-1.5.
- Blanks, Richard H., Jr.: See—  
Blanks, Richard H., Sr., and R. H. Blanks, Jr. 2,908,507.
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- Blann, William A., to American Cyanamid Co. Sugar purification with ion exchangers. 2,911,329, 11-3-59, Cl. 127-46.
- Blanton, Jack W., and I. S. Zonis, to National Research Corp. Production of chemicals. 2,890,949, 6-16-59, Cl. 75-1.
- Blanton, John M.: See—  
James, Henry A. 2,868,137.
- Blanz, Kurt, to Krauss & Reichert, Spezialmaschinenfabrik und Apparatebau. Electric motor drive. 2,879,416, 3-24-59, Cl. 310-77.
- Blasbalg, Herman L., to United States of America, Air Force. Radio receiver having modulation indicator operated by automatic gain control bias and demodulated signal. 2,900,499, 8-18-59, Cl. 250-20.
- Blasdel, Howard C. Slidable jaw-face, open-end wrench. 2,879,681, 3-31-59, Cl. 81-179.
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- Blaser, Bruno: See—  
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- Blaser, Bruno, and W. J. Kaiser, to Henkel & Cie. G.m.b.H. Process for the purification of terephthalic acid esters. 2,912,457, 11-10-59, Cl. 260-475.
- Blaser, Bruno, W. Stein, and H. Schütt, to Henkel & Cie. G.m.b.H. Process for the production of aromatic carboxylic acids which may be substituted by sulfonic acid groups. 2,913,488, 11-17-59, Cl. 260-507.
- Blaser, Robert U., and M. Christensen, to The Babcock & Wilcox Co. Welded and bolted closure for high pressure vessel. 2,896,811, 7-28-59, Cl. 220-63.
- Blash, Joseph A., to Eastman Kodak Co. Lens cleaning apparatus. 2,874,395, 2-24-59, Cl. 15-21.
- Blashfield, William H., to North Electric Co. Telephone call surveying equipment. 2,875,286, 2-24-59, Cl. 179-175.2.
- Blashfield, William H., to North Electric Co. Battery charger apparatus. 2,875,395, 2-24-59, Cl. 321-19.
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- Blashfield, William H., J. E. Callender, and B. A. Harris, to North Electric Co. Automatic telephone system. 2,905,764, 9-22-59, Cl. 179-8.
- Blasius, Herman J., and R. G. Reiche, to American Wilbert Vault Corp. Multiple tier concrete grave box construction. 2,913,895, 11-24-59, Cl. 72-7.
- Blaski, John P.: See—  
Schaub, Lisle C., and Blaski. 2,887,192.
- Blaskowski, Henry J., to Combustion Engineering, Inc. Method and apparatus for recuperative heat exchange. 2,895,719, 7-21-59, Cl. 257-245.
- Blatherwick, Delbert T., to Robertson Photo-Mechanix, Inc. Vacuum film support. 2,895,706, 7-21-59, Cl. 248-363.
- Blatt, Lee N., W. P. Peyser, and S. Lapins, to Bogart Mfg. Corp. Dummy load for microwaves. 2,908,875, 10-13-59, Cl. 333-22.
- Blatt, Paula. Girdle anchor. 2,891,253, 6-23-59, Cl. 2-313.
- Blatt, Paula. Thigh molder. 2,891,549, 6-23-59, Cl. 128-524.
- Blatt, Paula. Maternity girdle and garter supporter. 2,891,550, 6-23-59, Cl. 128-535.
- Blatt, Paula. Abdomen-supporting means and garter belt. 2,891,551, 6-23-59, Cl. 128-535.
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- Blatt, Ralph E., to Kenco Chemical Co. Candle. 2,918,750, 12-29-59, Cl. 43-125.
- Blattel, Alfred, and M. E. Duchoviner, to Raytheon Co. Electronic tube assembly jigs. 2,919,128, 12-29-59, Cl. 260-123.
- Blatter, Hans, to Aktiengesellschaft Brown, Boveri & Cie. Voltage regulation arrangement for contact converters. 2,895,101, 7-14-59, Cl. 321-48.
- Blattner, Elizabeth: See—  
Blattner, Emil H. 2,913,288.
- Blattner, Emil H., to The Symington-Gould Corp. Railway truck. 2,867,177, 1-6-59, Cl. 105-203.
- Blattner, Emil H., to Symington Wayne Corp. Draft rigging. 2,880,888, 4-7-59, Cl. 213-64.
- Blattner, Emil H., to The Symington-Gould Corp. Railway draft gear. 2,884,140, 4-28-59, Cl. 213-45.
- Blattner, Emil H., to The Symington-Gould Corp. Draft rigging. 2,884,142, 4-28-59, Cl. 213-60.
- Blattner, Emil H., to The Symington-Gould Corp. Coupler support. 2,884,143, 4-28-59, Cl. 213-61.
- Blattner, Emil H., to Symington Wayne Corp. Rubber cushioning unit. 2,889,056, 6-2-59, Cl. 213-40.
- Blattner, Emil H., to Symington Wayne Corp. Draft mechanism. 2,897,980, 8-4-59, Cl. 213-32.
- Blattner, Emil H., to Symington Wayne Corp. Draft gears. 2,897,981, 8-4-59, Cl. 213-45.
- Blattner, Emil H., deceased; E. Blattner, executrix, to Symington Wayne Corp. Resilient side bearings. 2,913,288, 11-17-59, Cl. 308-138.
- Blattner, Karl, to Faber & Schleicher Akt. Stacking device for sheet printing machines. 2,878,017, 3-17-59, Cl. 271-79.
- Blatz Brewing Co.: See—  
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- Blatz, Peter A., to each to E. B. Jenkins, M. B. Simon, and E. B. Kane. Feed bar for soft leather working machine. 2,909,008, 10-20-59, Cl. 51-78.
- Blatz, Philip S., to E. I. du Pont de Nemours and Co. Coated polymeric thermoplastic dielectric film. 2,870,044, 1-20-59, Cl. 117-138.8.
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- Blauer, Maurice. Combination raincoat pouch and garrison hat rain cover. 2,880,422, 4-7-59, Cl. 2-187.
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- Blaupunkt-Werke, G.m.b.H.: See—  
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- Blaustein, Aaron, to Fairchild Camera and Instrument Corp. Wiper contact for variable resistance devices. 2,876,320, 3-3-59, Cl. 201-48.
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- Blauvelt, Roland G.: See—  
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- Blaw-Knox Co.: See—  
Becker, Henry P., Jr. 2,902,707.  
Griffin, Harry L. 2,893,871.  
Hibner, De Los E., Jr., and Humphrey. 2,883,694.  
Montgomery, Duncan B., and Moore. 2,891,045.  
Moore, George E. 2,892,366.  
Ornitz, Nathaniel B. 2,897,557.  
Plas, Ralph J. 2,888,864.  
Pottmeyer, Edward W. 2,891,567.  
Robinson, George L. Jr. 2,846,066.  
Rodder, William. 2,905,243.  
Schuetz, James W. 2,896,796.
- Blaylock, Thomas: See—  
Martin, Charles G. 2,913,296.
- Blazek, Ronald R. Work-holding device having plungers actuated by hydraulic fluid composed of a fusible alloy. 2,882,771, 4-21-59, Cl. 81-38.
- Blazek, William J., and C. D. Hills, to Lemco Products, Inc. Laminated solid wall bearing retainer and method of making the same. 2,875,605, 2-24-59, Cl. 308-201.
- Blazek, William J., and J. J. Strnad, to Lemco Products, Inc. Method of producing a ball-bearing assembly. 2,897,582, 8-4-59, Cl. 29-148.4.
- Bleacher's Association Ltd.: See—  
Parker, Charles S., and Melville. 2,890,515.  
Parker, Charles S., and Melville. 2,905,999.
- Bleakney, Robert M., and E. J. Workman, to United States of America, Navy. Switch. 2,903,534, 9-8-59, Cl. 200-61.08.
- Bleaney, Paul, to A. B. Mould and Construction Co. Ltd. Mechanically operated shovels or scrapers. 2,869,843, 1-20-59, Cl. 259-164.
- Bleese, Malcolm T., to Grinnell Corp. Insulating mounting for bar conductor. 2,913,616, 11-17-59, Cl. 174-171.
- Bleazey, John C., to Radio Corp. of America. Variable capacitor. 2,913,644, 11-17-59, Cl. 317-249.

- Blecha, Joseph C. Device for determining the location and angle of dowel-receiving holes in furniture and cabinet construction. 2,903,920, 9-15-59, Cl. 77-62.
- Blecher, Franklin H., to Bell Telephone Laboratories, Inc. Interleaved feedback amplifier. 2,909,623, 10-20-59, Cl. 179-171.
- Blechner, Charles: See—  
Benfield, James W., and Blechner. 2,911,722.
- Bleck, Max E., to Stanley Aviation Corp. Leg retraction and restraining device for aircraft ejection seat. 2,904,286, 9-15-59, Cl. 244-122.
- Blecker, Ray H.: See—  
Peterson, John S., and Blecker. 2,869,619.  
Peterson, John S., and Blecker. 2,869,622.
- Bleckmann, Richard. Flange assembly. 2,905,801, 9-22-59, Cl. 219-38.
- Blees, William A., to Sacket Sporting Goods Co. Ball catcher. 2,895,737, 7-21-59, Cl. 273-26.
- Bleibtreu, Hermann. Running gear for railroad vehicle. 2,915,020, 12-1-59, Cl. 105-4.
- Bleibtreu, Hermann. Railway truck. 2,915,021, 12-1-59, Cl. 105-197.1.
- Bleich, Leon, to Esso Research and Engineering Co. Process for the preparation of high octane number fuels. 2,909,583, 10-20-59, Cl. 260-683.73.
- Bleich, Leon, H. G. Codet, and C. E. Hemminger, to Esso Research and Engineering Co. Isomerization process. 2,909,582, 10-20-59, Cl. 260-683.73.
- Bleicher, William, to Trim-Master Corp. Mechanism for operating on tubular blanks. 2,873,704, 2-17-59, Cl. 112-2.
- Blench, Ronald O., to E. Griffiths Hughes Ltd. Process for the production of a coffee extract in the form of a dry powder. 2,918,372, 12-22-59, Cl. 99-71.
- Bless, Harold, to United States of America, Navy. Friction brake for catapults. 2,894,606, 7-14-59, Cl. 188-62.
- Bletcher, James H.: See—  
Bletcher, Ralph E., and Ward. 2,875,702.
- Bletcher, Pearl W.: See—  
Bletcher, Ralph E., and Ward. 2,875,702.
- Bletcher, Ralph E., and I. A. Ward, assors. of small percentages to various assignees. Diverter valve for a shower installation. 2,867,230, 1-6-59, Cl. 137-119.
- Bletcher, Ralph E., and I. A. Ward, 5% to R. E. Bletcher, 12½% to E. H. Bucknell, 12½% to M. Bucknell, 10% to P. W. Bletcher, 25% to M. B. Liston, 10% to J. H. Bletcher, 10% to H. B. Skinner, 8% to C. R. B. Robertson, 2% to F. K. Robertson, and 5% to J. H. Bletcher, as trustee. Combination fixture. 2,875,702, 3-3-59, Cl. 103-262.
- Bletcher, Ralph E., and I. A. Ward, small percentages to various assignees. Spout fitting. 2,894,695, 7-14-59, Cl. 239-443.
- Bletzinger, John C.: See—  
Harwood, Kenneth J., Mayo, and Bletzinger. 2,902,037.
- Bletzinger, John C., and W. U. Day, to Kimberly-Clark Corp. Sanitary napkin. 2,902,038, 9-1-59, Cl. 128-290.
- Bleuenstein, Julius M., to Ford Motor Co. Shell molding. 2,876,512, 3-10-59, Cl. 22-193.
- Blew, William R., Jr.: See—  
Rogers, Russell H., Jr., and Blew. 2,890,232.
- Blewett, Guy C., W. K. McCoy, and B. R. Walsh, to Gulf Oil Corp. Fluid proportioning apparatus. 2,883,996, 4-28-59, Cl. 137-100.
- Bley, Rudolph S., to Beunitt Mills, Inc. Yarn crimping apparatus. 2,908,961, 10-20-59, Cl. 28-62.
- Bley, Rudolph S., to Beunitt Mills, Inc. Yarn crimping apparatus. 2,910,761, 11-3-59, Cl. 28-62.
- Bley, Rudolph S., R. H. Carter, D. J. Edgar, L. R. Graybeal, and K. M. Schmidt, to North American Rayon Corp. Process and apparatus for the continuous production of synthetic thread. 2,898,627, 8-11-59, Cl. 18-8.
- Bley, William G., to Scott & Williams, Inc. Looping machines and methods, and in knitted fabrics seamed thereby. 2,871,806, 2-3-59, Cl. 112-25.
- Blicharz, Mitchell S.: See—  
Fox, Sidney M., Blicharz, and Winterbottom. 2,875,247.
- Blick, Frederick F., to The Regents of University of Michigan. Alkamine esters of  $\alpha$ -( $\Delta^2$ -cycloalkenyl)- $\beta$ -hydroxy-aliphatic acids and preparation thereof. 2,889,353, 6-2-59, Cl. 260-468.
- Blickman, Johannes, and G. L. Weamer, to California Research Corp. Process for preparing sulfur compounds. 2,878,243, 3-17-59, Cl. 260-139.
- Blizard, Erling J., and R. H. Bacon, to Textron Inc. Airplane engine suspension and mounts therefor. 2,891,743, 6-23-59, Cl. 248-5.
- Blight, Dennis J.: See—  
Sharp, Leonard W. D., and Blight. 2,874,253.
- Bluh, Rudolf, Elektrische Apparaten- und Metallwarenfabrik N. V.: See—  
Bard, Cornelius. 2,870,468.
- Blush, Lorn J. Shirt collar. 2,903,703, 9-15-59, Cl. 2-137.
- Bliss, Carl M., to Sta-Rite Products, Inc. Valve for direct pressure shallow well pumping system. 2,911,916, 11-10-59, Cl. 103-25.
- Bliss, Charles A., and A. C. Faatz, Jr., to Foster Wheeler Corp. Composite firebrick. 2,908,157, 10-13-59, Cl. 72-36.
- Bliss, Charles O. Dish drainer. 2,885,087, 5-5-59, Cl. 211-41.
- Bliss, Charles O. Containers. 2,885,107, 5-5-59, Cl. 220-17.
- Bliss, E. W. Co.: See—  
Crane, Edward V., Curtner, and Febn. 2,911,080.  
Curtner, Richard L. 2,893,530.  
Febn, Frank P. 2,912,606.  
Hadley, Robert W. 2,886,155.  
Hadley, Robert W. 2,893,529.  
McCaffrey, Leo F. 2,890,609.  
Potter, Robert. 2,877,821.
- Bliss, Harvey N., to Veeder-Root, Inc. Air dashpot. 2,868,336, 1-13-59, Cl. 188-95.
- Bliss, Harvey N., and O. Wild, Jr., to Veeder-Root Inc. Resetting mechanism for registers. 2,869,791, 1-20-59, Cl. 235-144.
- Bliss & Laughlin, Inc.: See—  
Larson, Arthur D., and Spencer. 2,877,534.
- Bliss, Theodore J., to Westinghouse Electric Corp. Sensing system for brushless type generator. 2,913,656, 11-17-59, Cl. 322-25.
- Bliss, William R., to Van Norman Industries, Inc. Read-out apparatus for movable indicating mechanisms. 2,895,121, 7-14-59, Cl. 340-147.
- Bludzius, Irene D.: See—  
Jucatis, Pranas, and Bludzius. 2,876,105.  
Jucatis, Pranas, Bludzius, and Rockwell. 2,876,106.  
Jucatis, Pranas, Bludzius, and Rockwell. 2,876,107.
- Bludzius, Irene D., P. Jucatis, and N. P. Rockwell, to E. I. du Pont de Nemours and Co. Dietetic gelled pectin containing food composition. 2,876,101, 3-3-59, Cl. 99-129.
- Bludzius, Irene D., N. P. Rockwell, and P. Jucatis, to E. I. du Pont de Nemours and Co. Dietetic frozen food composition. 2,876,104, 3-3-59, Cl. 99-136.
- Blixrud, John O., to General Mills, Inc. Distributing means. 2,912,127, 11-10-59, Cl. 214-17.
- Blizard, Robert B., to Sperry Rand Corp. Azimuth reference device. 2,887,783, 5-26-59, Cl. 33-226.
- Blizard, Robert B., to Schlumberger Well Surveying Corp. Saturable reactor computer. 2,917,238, 12-15-59, Cl. 235-194.
- Bloch, Alexander, to Consolidated Diesel Electric Corp. Liquid filter structure. 2,870,914, 1-27-59, Cl. 210-453.
- Bloch, Elsie C. and G. Pile fabric. 2,892,471, 6-30-59, Cl. 139-391.
- Bloch, Erich. Device for supporting display figures. 2,867,362, 1-6-59, Cl. 223-120.
- Bloch, Erich, to International Business Machines Corp. Output branch amplifier. 2,910,677, 10-27-59, Cl. 340-174.
- Bloch, Erich, and R. C. Paulsen, to International Business Machines Corp. Magnetic not or circuit. 2,889,543, 6-2-59, Cl. 340-174.
- Bloch, Erich, and H. J. Hallstead, to International Business Machines Corp. Core assembly. 2,910,673, 10-27-59, Cl. 340-174.
- Bloch, Godfrey: See—  
Bloch, Elsie C. and G. 2,892,471.
- Bloch, Herman S.: See—  
Chenick, Joseph A., and Bloch. 2,867,673.  
Haensel, Vladimir, and Bloch. 2,899,943.  
Hervert, George L., and Bloch. 2,871,095.  
Hervert, George L., and Bloch. 2,871,096.  
Hervert, George L., and Bloch. 2,872,418.
- Bloch, Herman S., to Universal Oil Products Co. Production of alumina. 2,867,505, 1-6-59, Cl. 23-143.
- Bloch, Herman S., to Universal Oil Products Co. 1,2,3,4,7,7-hexachloro-5-N-alkyl carboxamide bicyclo [2.2.1]-2-heptene. 2,872,483, 2-3-59, Cl. 260-357.
- Bloch, Herman S., to Universal Oil Products Co. Purification of a recirculating solvent. 2,878,182, 3-17-59, Cl. 208-321.
- Bloch, Herman S., to Universal Oil Products Co. Alkylation of aromatic hydrocarbons. 2,887,520, 5-19-59, Cl. 260-671.
- Bloch, Herman S., to Universal Oil Products Co. Preparation of para-dialkyl substituted aromatic compounds. 2,916,530, 12-8-59, Cl. 260-668.
- Bloch, Herman S., and E. M. Geiser, to Universal Oil Products Co. Preparation of 1,2-ditolylethane. 2,878,260, 3-17-59, Cl. 260-668.
- Bloch, Herman S., and B. Kvetinskas, to Universal Oil Products Co. Production and recovery of unsaturated hydrocarbons employing adiponitrile containing solvent. 2,886,614, 5-12-59, Cl. 260-680.
- Bloch, Herman S., and G. L. Hervert, to Universal Oil Products Co. Alkylation of benzene. 2,887,518, 5-19-59, Cl. 260-671.
- Bloch, Herman S., and E. M. Geiser, to Universal Oil Products Co. Manufacture of para-xylene. 2,894,046, 7-7-59, Cl. 260-673.5.
- Bloch, Herman S., and V. Haensel, to Universal Oil Products Co. Isomerization process. 2,900,425, 8-18-59, Cl. 260-666.
- Bloch, Herman S., and R. C. Wackher, to Universal Oil Products Co. Recovery of dialkyl ethers of 5-alkylpropanol by solvent extraction of wood tar distillate. 2,908,719, 10-13-59, Cl. 260-613.
- Bloch, Herman S., and L. Schmerling, to Universal Oil Products Co. Polyoxalkylene glycol monoethers of thiophenolic derivatives of halocycloalkenes. 2,910,508, 10-27-59, Cl. 260-609.
- Bloch, Jack, to Foster Grant Co., Inc. Molded plastic basket. 2,895,522, 7-21-59, Cl. 150-48.
- Bloch, Lilli. Eyeglass case. 2,918,959, 12-29-59, Cl. 150-52.



- Bloch, Monroe P.: See—  
Harris, Frederic R. 2,897,654.
- Bloch, Morton G., A. F. Houser, and W. H. King, to Socony Mobil Oil Co., Inc. Process for separating wax from oils. 2,904,496, 9-15-59, Cl. 208-33.
- Block & Anderson: See—  
Benham, Leonard V. 2,876,006.
- Block & Anderson Ltd.: See—  
Broughan, Leslie E., and Brown. 2,880,670.
- Brown, Roland. 2,872,896.
- Block, George P. Ski binder. 2,888,692, 6-2-59, Cl. 9-21.
- Block, Herman H. Riding toy. 2,871,015, 1-27-59, Cl. 272-1.
- Block, Kenneth B.: See—  
Hirsch, James C., and Block. 2,911,217.
- Block, Lester W. Brassiere. 2,896,631, 7-28-59, Cl. 128-475.
- Block, Meyer: See—  
Katzman, Lawrence, Block, and Gershen. 2,885,730.
- Block, Meyer L.: See—  
Katzman, Max and L., and Block. 2,886,793.
- Block, Morris H.: See—  
Kellner, Paul, and Block. 2,914,070.
- Block, Richard J., to Minute Maid Corp. Enriched fruit juices. 2,919,195, 12-29-59, Cl. 99-105.
- Block, Richard J., and G. Zweig, to The Borden Co. Modified milk. 2,903,358, 9-8-59, Cl. 99-54.
- Block, Walter W., to Quaker Stretcher Co. Laundry cart with plastic basket. 2,875,806, 3-3-59, Cl. 150-49.
- Block, Walter W., to Quaker Stretcher Co. Portable folding table. 2,903,313, 9-8-59, Cl. 311-90.
- Blocker, Leo B.: See—  
Ritter, Darrell L., Blocker, and Willcox. 2,886,265.
- Blod, Francis E., to Farrington Mfg. Co. Watch display case. 2,889,037, 6-2-59, Cl. 206-45.13.
- Blodgett, Edwin O., to Commercial Controls Corp. Verifying printing machine. 2,901,042, 8-25-59, Cl. 164-113.
- Blodgett, Edwin O., and W. C. Ahrens, to Commercial Controls Corp. Printing machine for translating coded information with conversion between code levels. 2,886,159, 5-12-59, Cl. 197-20.
- Blodgett, Edwin O., and W. C. Ahrens, to Commercial Controls Corp. Writing machine. 2,905,298, 9-22-59, Cl. 197-20.
- Blodgett, Norman S.: See—  
Castonguay, Leon H., and St. Cyr. 2,886,059.
- Bloom, Aldert T., to North American Philips Co., Inc. Device for thawing an ice separator used in a system comprising a cold-gas refrigerator. 2,881,599, 4-14-59, Cl. 62-154.
- Bloom, Herman, and M. Stel, to North American Philips Co., Inc. Method of impregnating fibre masses with a viscous, hardenable resin insoluble in water. 2,875,094, 2-24-59, Cl. 117-115.
- Bloembergen, Nicolaas. Uninterrupted amplification key stimulated emission of radiation from a substance having three energy states. 2,909,654, 10-20-59, Cl. 250-20.
- Blot, Laurens, and G. Zwanenburg, to North American Philips Co., Inc. System for high-frequency heating of work pieces. 2,896,936, 7-28-59, Cl. 266-4.
- Blomquist, Albert E., to Fairchild Engine and Airplane Corp. Variable armored sections for vehicles. 2,871,763, 2-3-59, Cl. 89-56.
- Blomquist, Alfred T.: See—  
Panzer, Jerome, and Blomquist. 2,918,493.
- Blomquist, Uno O., to A. B. Svenska Maskinverken. Furnaces. 2,907,288, 10-6-59, Cl. 110-28.
- Blomqvist, Georg H., and A. I. Malm, to P. O. Stokkebyes Kvarnaktiebolag. Processes of producing a baked cereal product. 2,868,648, 1-13-59, Cl. 99-83.
- Blomstedt, John B., and E. H. Olofsson, to Telefonaktiebolaget L. M. Ericsson. Cathode connected LC-oscillator. 2,906,966, 9-29-59, Cl. 331-176.
- Blomstran, Carl A., and W. J. Ehrensperger, to Stockham Valves & Fittings, Inc. Valve actuating mechanism. 2,889,133, 6-2-59, Cl. 251-164.
- Blomstrand, John H., to F. W. Nyquist. Tool holder. 2,916,802, 12-15-59, Cl. 29-97.5.
- Blonder, Isaac S. Cable insulation cutter with cutter movable about the periphery of the cable. 2,903,064, 9-8-59, Cl. 164-60.
- Blonder, Isaac S. Electrical cable coupler. 2,914,740, 11-24-59, Cl. 333-97.
- Blood, Harold L., to The Heald Machine Co. Grinding machine. 2,903,827, 9-15-59, Cl. 51-48.
- Blood, Harold L., to The Heald Machine Co. Grinding machine. 2,909,006, 10-20-59, Cl. 51-50.
- Blood, Lewis B. Filter screen in fuel distribution. 2,890,796, 6-16-59, Cl. 210-470.
- Blood, Raymond: See—  
Start, Ernest, and Blood. 2,873,593.
- Bloom, Aaron. Aviator's breathing oxygen duration indicator. 2,908,167, 10-13-59, Cl. 73-393.
- Bloom, Abe M. Roasting machine for hamburger patties, or the like. 2,867,163, 1-6-59, Cl. 99-386.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Process for the preparation of isocyanates. 2,875,226, 2-24-59, Cl. 260-453.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Recovery of organic isocyanates. 2,884,359, 4-28-59, Cl. 202-52.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Recovery of organic isocyanates. 2,884,360, 4-28-59, Cl. 202-57.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Recovery of organic isocyanates. 2,884,361, 4-28-59, Cl. 202-57.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Recovery of organic isocyanates. 2,884,362, 4-28-59, Cl. 202-57.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Recovery of organic isocyanates. 2,884,363, 4-28-59, Cl. 202-57.
- Bloom, Albert H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Stabilized organic isocyanates. 2,891,983, 6-23-59, Cl. 260-453.
- Bloom, Albert, and D. L. Deutsch, to General Aniline & Film Corp. Preparation of vat dyestuffs. 2,908,685, 10-13-59, Cl. 260-282.
- Bloom, Albert, H. B. Freyermuth, and J. B. Normington, to General Aniline & Film Corp. Process for the preparation of isocyanates. 2,911,429, 11-3-59, Cl. 260-453.
- Bloom, Albert S., and R. C. Winslow, to Consolidated Diesel Electric Corp. Auxiliary power system. 2,917,635, 12-15-59, Cl. 290-30.
- Bloom, Barry M.: See—  
Agnello, Eugene J., Bloom, and Laubach. 2,904,546.
- Bloom, Barry M., to Chas. Pfizer & Co. Hydrogenated 2-(1-naphthylamino)-oxazolines. 2,870,159, 1-20-59, Cl. 260-307.
- Bloom, Barry M., to Chas. Pfizer & Co. 2-(benzofuran-1-amino)- and 2-(thianaphenyl amino) oxazolines. 2,870,160, 1-20-59, Cl. 260-307.
- Bloom, Barry M., to Chas. Pfizer & Co. 2-(1-indanyl amino)-oxazolines. 2,870,161, 1-20-59, Cl. 260-307.
- Bloom, Barry M., to Chas. Pfizer & Co. 1,2,3,4-tetrahydroquinolyl and 1,2,3,4-tetrahydroisoquinolyl derivatives of 1,3-diazacyclohexene-2. 2,876,222, 3-3-59, Cl. 260-256.4.
- Bloom, Barry M., to Chas. Pfizer & Co. Synthesis of substituted 1,3-diazacyclohexenes and 1,3-diazacyclohexenes. 2,876,223, 3-3-59, Cl. 260-256.4.
- Bloom, Barry M., to Chas. Pfizer & Co. Derivatives of 1,3-diazacycloalkene-2. 2,876,229, 3-3-59, Cl. 260-288.
- Bloom, Barry M., to Chas. Pfizer & Co. Therapeutic agents. 2,876,232, 3-3-59, Cl. 260-307.
- Bloom, Barry M., to Chas. Pfizer & Co., Inc. N-(1-indanyl)-N'-(p-substituted ethyl)-ureas. 2,883,410, 4-21-59, Cl. 260-456.
- Bloom, Barry M., to Chas. Pfizer & Co., Inc. Therapeutic agents. 2,889,351, 6-2-59, Cl. 260-456.
- Bloom, Barry M., to Chas. Pfizer & Co., Inc. Synthesis of 1,3-diazacycloalkene-2. 2,899,426, 8-11-59, Cl. 260-239.5.
- Bloom, Barry M., to Chas. Pfizer & Co., Inc. 2-phenylamino-1,3-diazacyclohexene-2. 2,899,434, 8-11-59, Cl. 260-256.4.
- Bloom, Barry M., and G. D. Laubach, to Chas. Pfizer & Co., Inc. Sulfur containing steroid compositions. 2,878,157, 3-17-59, Cl. 167-52.
- Bloom, Barry M., D. A. Kita, G. D. Laubach, and G. M. Shull, to Chas. Pfizer & Co., Inc. 14-hydroxy-9a halo hydrocortisone and intermediates. 2,891,080, 6-16-59, Cl. 260-397.45.
- Bloom, Barry M., and R. E. Carnahan, to Chas. Pfizer & Co., Inc. Isonicotinylhydrazino alkanolic amides. 2,894,972, 7-14-59, Cl. 260-395.
- Bloom, Bertha B. Music time guide. 2,915,121, 12-1-59, Cl. 161-6.
- Bloom, Eli H., and I. Wiener, to Universal Dental Co. Tooth carding device. 2,874,487, 2-24-59, Cl. 35-49.
- Bloom Engineering Co., Inc.: See—  
Conway, Leon E., and Dinneen. 2,902,251.
- Bloom, Frank E. Double acting spring hinge for folding doors. 2,891,274, 6-23-59, Cl. 16-190.
- Bloom, John W., and B. Brubaker, to General Motors Corp. Folding arm rest. 2,917,107, 12-15-59, Cl. 155-112.
- Bloom, Martin H.: See—  
Ferri, Antonio, Libby, and Bloom. 2,892,308.
- Bloom, Quentin M., to Selsco Corp. of America. Strip heating furnace. 2,869,846, 1-20-59, Cl. 263-3.
- Bloom, Samuel M., to M. N. Nelson. Fabric softener ejector. 2,872,076, 2-3-59, Cl. 222-70.
- Bloom, Sidney: See—  
Turcan, Peter S. 2,911,696.
- Bloom, Stanley B., to Philco Corp. Control system for washing machines. 2,885,879, 5-12-59, Cl. 65-207.
- Bloomberg, David J. Mixing and control valve. 2,887,128, 5-19-59, Cl. 137-635.
- Bloomberg, David J., to General Electric Co. Turbomachine bucket-wheel fabricated by casting. 2,894,318, 7-14-59, Cl. 29-156.8.
- Bloomberg, David J., to General Electric Co. Speed limiting arrangement for turbine rotors. 2,913,872, 11-24-59, Cl. 60-39.11.
- Bloomberg, David J., to General Electric Co. Overspeed control for fuel system turbopump. 2,914,296, 11-24-59, Cl. 253-16.5.
- Bloomer Bros. Co.: See—  
Hatcher, Glenn B. 2,894,432.
- Holmes, Raynor M. 2,903,180.
- Inman, William H. 2,870,950.
- Inman, William H. 2,878,986.
- Inman, William H. 2,878,987.
- Inman, William H. 2,881,068.
- Inman, William H. 2,884,180.
- Tober, Leon H. 2,871,041.
- Truini, Richard C. 2,871,640.

- Bloomquist, Clarence T. Rest and the like for the head, back and feet. 2,884,991, 5-5-59, Cl. 155-154.
- Bloomquist, Egner L. Case for cardboard milk cartons and the like. 2,904,211, 9-15-59, Cl. 220-19.
- Bloomstran, Hilmer: See—  
Weller, Walter, and Bloomstran. 2,889,055.
- Blose, Thomas L., to A. O. Smith Corp. Conically tapered screw-type casing joint with metal-to-metal seal. 2,893,759, 7-7-59, Cl. 285-334.
- Blosser, Denzil M. Car tent. 2,870,774, 1-27-59, Cl. 135-7.1.
- Blough, John G.: See—  
Fasold, George A., and Blough. 2,871,817.
- Blouin, Maurice A., to Simplex Time Recorder Co. Reset mechanism for time indicating clock. 2,900,787, 8-25-59, Cl. 58-34.
- Blount, Alvie E., to Jersey Production Research Co. Charge-planting motor-bit drill. 2,880,966, 4-7-59, Cl. 255-4.
- Blount, Alvie E., to Jersey Production Research Co. Apparatus for planting explosive charges at submarine locations. 2,880,967, 4-7-59, Cl. 255-4.
- Blount, Alvie E., T. Flatow, and F. L. Chalmers, to Jersey Production Research Co. Weight handling mechanism. 2,897,907, 8-4-59, Cl. 181-5.
- Blount, Frank E., and M. E. Krom, to Bell Telephone Laboratories, Inc. Line concentrator checking arrangement. 2,894,073, 7-7-59, Cl. 179-15.
- Blow, Angus W., and G. H. Clark, to General Dynamics Corp. Monitoring indication for communication system. 2,881,250, 4-7-59, Cl. 179-1.
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- Blue, John, to John Blue Co., Inc. Duster nozzle. 2,909,866, 10-27-59, Cl. 43-145.
- Blue, John, Johnston, and L. Tangeman, to John Blue Co., Inc. Hose pump. 2,913,902, 11-24-59, Cl. 103-149.
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- Blue, Sidney D. Can holders. 2,917,338, 12-15-59, Cl. 294-31.2.
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- Blum, Bernard S., and E. J. Phillips, to Curtiss-Wright Corp. Method of brazing titanium. 2,914,848, 12-1-59, Cl. 29-494.
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- Blum, Seymour H. Air conditioner unit. 2,893,220, 7-7-59, Cl. 62-404.
- Blumberg, Benjamin J. Air escape valve. 2,909,321, 10-20-59, Cl. 236-62.
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- Blume, Floyd R.: See—  
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- Blumel, Friedrich: See—  
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- Blumenthal, Irwin S., R. M. Chiles, C. W. Larsen, Jr., and K. M. Stevenson, Jr., to Northrop Corp. Reset integrator. 2,891,725, 6-23-59, Cl. 235-183.
- Blumenthal, Jack H., to Air Reduction Co., Inc. Ethynylpyridine-N-oxides and ethynylquinoline-N-oxides. 2,874,162, 2-17-59, Cl. 260-297.
- Blumer, Donald R., to Minneapolis-Honeywell Regulator Co. Combustibles detector. 2,885,555, 5-5-59, Cl. 250-43.5.
- Blumkin, Sidney, to J. C. Hookery, trustee for H. J. and F. L. Talge. Kitchen implement platform and connecting means therefor. 2,913,201, 11-17-59, Cl. 248-19.
- Blundin, Anthony A., to Burroughs Corp. Binary adder. 2,881,970, 4-14-59, Cl. 235-176.
- Blundin, Warren S., to The Babcock & Wilcox Co. Method of and apparatus for burning solid fuels. 2,876,716, 3-10-59, Cl. 110-40.
- Blurton, Victor B.: See—  
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- Blust, Henry L.: See—  
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- Bluth, Ludwig S. Retaining ring of uniform section height with means providing for circumferential bending and method of making same. 2,883,899, 4-28-59, Cl. 85-8.8.
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- Blyth, Andrew F., to Marcona Mining Co. Ore sampling machine. 2,889,709, 6-9-59, Cl. 73-423.
- Blyth, Jack V.: See—  
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- Blyth, Jack V., to D. Napier & Son Ltd. Interstage seals and cooling means in axial flow turbines. 2,919,104, 12-29-59, Cl. 253-39.15.
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- Blythe, Lawrence D. Egg dryer. 2,896,337, 7-28-59, Cl. 34-218.
- Blythe, Richard: See—  
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- Boardman, Thaddeus J., and J. G. Williams, to Worthington Corp. Sealing devices for pumps. 2,913,989, 11-24-59, Cl. 103-111.
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- Bobal, Michael A.: See—  
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- Bobalek, Edward G.: See—  
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- Bobb, Lloyd J., to Philco Corp. Transducers. 2,878,323, 3-17-59, Cl. 179-111.
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- Bobbish, Charles W., to Schieber Mfg. Co. Portable folding table. 2,893,474, 7-7-59, Cl. 155-124.
- Bobcat Corp.: See—  
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- Bobel, William S., to Pittsburgh Plate Glass Co. Multiple glazed unit. 2,877,516, 3-17-59, Cl. 20-56.5.
- Bobinchak, Gilbert N. Baptismal robe. 2,900,641, 8-25-59, Cl. 2-111.
- Bobingen Aktiengesellschaft fur Textil-Faser: See—  
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- Bobkowitz, Emilian. Universal spinning unit. 2,900,782, 8-25-59, Cl. 57-31.
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- Bobo, Mildred L., and W. S. Miller. Educational game board. 2,887,789, 5-26-59, Cl. 35-9.
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- Bobo, Roy A., to Phillips Petroleum Co. Mechanical treatment of drilling muds. 2,895,669, 7-21-59, Cl. 233-21.
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- Lauffer, Frédéric. 2,867,275.
- Bocchino, Joseph J. Chain lubricator. 2,893,516, 7-7-59, Cl. 184-17.
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- Boccone, Egidio A. Table leg assembly. 2,869,950, 1-20-59, Cl. 311-112.
- Bochan, John, to General Electric Co. Centrifugal clutch for clothes washing machine. 2,869,344, 1-20-59, Cl. 68-12.
- Bochan, John, to General Electric Co. Two speed drive. 2,869,699, 1-20-59, Cl. 192-48.
- Bochan, John, to General Electric Co. Clothes washer with liquid recirculation system. 2,883,843, 4-28-59, Cl. 68-23.
- Bochan, John, to General Electric Co. Water level control for clothes washing machines. 2,888,531, 5-26-59, Cl. 200-84.
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- Bochan, John, to General Electric Co. Flow control device. 2,908,285, 10-13-59, Cl. 137-513.7.
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- Bocher, Hermann. Automatic binding of coils of wire. 2,901,966, 9-1-59, Cl. 100-12.
- Bochory, Michael. Automatic clutch construction. 2,899,033, 8-11-59, Cl. 192-48.
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- Bock, Ernst L., to United States of America. Air Force. Search antenna. 2,908,003, 10-6-59, Cl. 343-780.
- Bock, George E., and J. H. Spence, to Pullman-Standard Car Mfg. Co. Railway car side wall. 2,870,723, 1-27-59, Cl. 105-401.
- Bock, Henry. Bulb tee clip. 2,914,148, 11-24-59, Cl. 189-35.
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- Bock, John E. Spinning fish lure. 2,906,052, 9-29-59, Cl. 43-42.46.
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- Bock, Robert O., and G. M. Davidson, to American Bosch Arma Corp. Semi-digital resolver. 2,874,903, 2-24-59, Cl. 235-186.
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- Bockemuhl, Robert R., to General Motors Corp. Electronic relay. 2,913,638, 11-17-59, Cl. 317-142.
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- Boquet, Philip E., and S. E. Tung, to Constock Liquid Methane Corp. Low temperature refrigeration. 2,909,906, 10-27-59, Cl. 62-88.
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- Bodenstein, Camillo, to Siemens & Halske Aktiengesellschaft. Apparatus for magnetically storing telegraph signals. 2,917,250, 12-15-59, Cl. 242-55.12.
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- Bodine, Albert G. Acoustic attenuation of engine detonation shock waves. 2,881,751, 4-14-59, Cl. 123-191.
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- Boedecker, Woodrow S.: See—  
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- Boedecker, Woodrow S., to The Bastinn Blessing Co. Automatic filling manifold. 2,898,077, 8-4-59, Cl. 249-63.
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- Herren, Alfred B. 2,880,611.
- Hlatt, Melvin A., Bonifaci, and Reed. 2,879,642.
- Hill, Henry C. 2,883,021.
- Hubbard, Robert M. 2,872,533.
- Hyland, Francis G., and Kassel. 2,869,807.
- Jarvis, Alvin J., and Straayer. 2,883,125.
- Marantette, William F. 2,883,529.
- Morrison, John A., and Olson. 2,879,959.
- Murphy, Richard J., Phillips, and Pakko. 2,872,083.
- Peoples, Samuel R. 2,912,634.
- Rice, Lon C., Satre, and Snyder. 2,883,517.
- Seeger, Bernard I. 2,872,133.
- Shumate, William. 2,882,574.
- Stineman, Russell W. 2,872,591.
- Stineman, Russell W., and Shearer. 2,917,903.
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- Weiland, Richard H. 2,872,120.
- Weiland, Richard H. 2,899,152.
- White, Roland J. 2,872,135.
- Wilkes, Wesley H. 2,912,724.
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- Boekenkamp, Albert L. Material guide device. 2,916,063, 12-8-59, Cl. 144-136.
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- Boelter, Edwin D., Jr., to E. I. du Pont de Nemours and Co. Electroformed articles and process for their manufacture. 2,870,709, 1-27-59, Cl. 102-24.
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- Boesch, Peter V. Fishing rod holders. 2,918,237, 12-22-59, Cl. 248-12.
- Boetel, Harold J.: See—  
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- Boettger, John H.: See—  
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- Boettcher, William A. Mail with frangible extension. 2,874,603, 2-24-59, Cl. 85-28.
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- Boff, Albert F., to Beckman Instruments, Inc. Frequency selective circuit. 2,914,670, 11-24-59, Cl. 250-27.
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- Bogar, Roy L. Fishing reel with spool control mechanism. 2,896,876, 7-28-59, Cl. 242-84.54.
- Bogart, John A., Jr., to Forbes Lithograph Mfg. Co. Display stand. 2,896,793, 7-28-59, Cl. 211-132.
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- Lapidus, Solomon, and Peyer. 2,905,910.
- Bogatenkoff, Boris: See—  
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- Bogater, John P., and L. B. Ragsdale, to General Motors Corp. Deck lid hinge with adjustable counterbalance. 2,894,277, 7-14-59, Cl. 16-180.
- Bogater, John P., S. F. Loria, and N. E. Putnam, to General Motors Corp. Lift gate support for station wagon. 2,908,415, 10-13-59, Cl. 217-60.
- Bogdanoff, Bonnie J.: See—  
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- Bogema, Richard E., to The Grav-I-Flo Corp. Power-driven separator. 2,912,108, 11-10-59, Cl. 209-330.



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Cohn, David A. 2,888,518.
- Boger, Carl G. Chimney cover. 2,918,859, 12-29-59, Cl. 98-83.
- Böger, Marius F. W. Device to develop photographic layer-carriers by the diffusion process. 2,894,440, 7-14-59, Cl. 95-89.
- Bogert, Bruce P., to Bell Telephone Laboratories, Inc. Automatic phase equalizer. 2,908,873, 10-13-59, Cl. 333-18.
- Bogert, Bruce P., and W. E. Kock, to Bell Telephone Laboratories, Inc. Narrow band transmission of speech. 2,890,285, 6-9-59, Cl. 179-15.55.
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- Bogert, Virgil V., to Chas. Pfizer & Co. Purification process. 2,872,442, 2-3-59, Cl. 260-210.
- Bogert, William M., and H. V. Johnson, to Westinghouse Electric Corp. Tap-changing equipment. 2,915,694, 12-1-59, Cl. 323-43.5.
- Bogese, Stephen B., to Virginia Plastics and Chemical Co., Inc. Protective sheath for a cable connector. 2,894,056, 7-7-59, Cl. 174-92.
- Bogeskov, Bernard E. Method for wrapping an object with adhesive tape. 2,873,564, 2-17-59, Cl. 53-3.
- Bogges, Ray D. Ash tray for motor vehicles. 2,918,166, 12-22-59, Cl. 206-19.5.
- Boggs, Alben C., to Edwin L. Wiegand Co. Thermal responsive device. 2,873,347, 2-10-59, Cl. 219-19.
- Boggs, Alben C., to E. L. Wiegand Co. Methods of and means for sealing the terminal opening of an electric heater. 2,876,322, 3-3-59, Cl. 201-67.
- Boggs, Fitzhugh W., to United States Rubber Co. Process for compounding a conjugated diolefin polymer with a siliceous filler and an organohalosilane. 2,897,173, 7-28-59, Cl. 260-41.5.
- Boggs, Fitzhugh W., to United States Rubber Co. Method of preparing polyurethane starch reaction products and product thereof. 2,908,657, 10-13-59, Cl. 260-9.
- Boggs, Gall E., to United States of America, Commerce. Stabilized non-linear amplifiers. 2,883,527, 4-21-59, Cl. 250-27.
- Boggs, H. D., Co., Ltd.: See—  
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- Boggs, Walter W.: See—  
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- Bogner, Richard D., to Standard Coil Products Co., Inc. Transmission line transformer. 2,877,430, 3-10-59, Cl. 333-26.
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- Bogot, Alexander, and V. Z. Caracristi, to Combustion Engineering, Inc. Tilting nozzle for fuel burner. 2,895,435, 7-21-59, Cl. 110-28.
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- Bohannon, William D., Jr., to Western Electric Co., Inc. Soldering irons. 2,876,328, 3-3-59, Cl. 219-26.
- Bohaty, Gene, to Mystik Adhesive Products, Inc. Pressure-sensitive tapes and method for manufacturing same. 2,878,142, 3-17-59, Cl. 117-76.
- Bohlen, Charles I.: See—  
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- Bohlen, Charles I. Anti-chatter device for vehicles. 2,912,252, 11-10-59, Cl. 280-104.5.
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- Bohlin, Nils I., to Svenska Aeroplan Aktiebolaget. Ejection seat for airplanes. 2,879,715, 3-31-59, Cl. 104-246.
- Bohlinger, Arthur L.: See—  
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- Bohlman, Ivan C., and R. A. Holding device. 2,919,097, 12-29-59, Cl. 248-226.
- Bohlman, Raymond A.: See—  
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- Bohlman, Walter S., to Hercules Powder Co. Discharge table assembly for packer. 2,906,073, 9-29-59, Cl. 53-126.
- Bohlmann, Edward G.: See—  
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- Bohlmann, Edward G., to United States of America, Atomic Energy Commission. Separation of thorium from uranium by extraction. 2,897,046, 7-28-59, Cl. 23-14.5.
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- Bohme, Hans P., to Joh. Kleinewefers Sohne. Drive for printing rollers of printing machines. 2,869,459, 1-20-59, Cl. 101-248.
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- Bohn Aluminum & Brass Corp.: See—  
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- Bohn, Donald I. Electromagnet. 2,880,382, 3-31-59, Cl. 317-165.
- Bohn, Donald I. Radial engine-master crank pin bearing assembly. 2,877,663, 3-17-59, Cl. 74-580.
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- Bohn, Donald I. Ignition system without contacts. 2,886,719, 5-12-59, Cl. 307-108.
- Bohn, Frank W. Safety frame for vehicles. 2,896,735, 7-28-59, Cl. 180-83.
- Bohnhoff, Arthur F.: See—  
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- Bohnhoff, Arthur F., and K. E. Falver, to General Motors Corp. Control apparatus for vehicle pneumatic suspension. 2,917,320, 12-15-59, Cl. 280-124.
- Bohnsack, John A., to Aetna Steel Products Corp. Partition construction. 2,867,300, 1-6-59, Cl. 189-34.
- Boho, Mitchell J.: See—  
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- Boho, Mitchell J., to Hagan Chemicals & Controls, Inc. Apparatus for controlling the flow of hot blast to the tuyeres of blast furnaces. 2,904,327, 9-15-59, Cl. 266-30.
- Bohrn, Georg: See—  
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- Boice, Elvin G.: See—  
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- Boice, Elvin G., and R. G. Peter, to Reed Roller Bit Co. Drill bits. 2,901,224, 8-25-59, Cl. 255-349.
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- Boles, David B., and T. A. Nordzell, to National Aluminate Corp. Non-corrosive petroleum distillates. 2,904,415, 9-15-59, Cl. 44-66.
- Bohrasky, Abe: See—  
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- Bolsture, Worth W.: See—  
Swabb, Lawrence E., Jr., and Bolsture. 2,899,384.
- Bolsture, Worth W., to Esso Research and Engineering Co. Fluid coking reactor and process. 2,880,169, 3-31-59, Cl. 208-137.
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- Bolteux, Roland Y. Lamp with variable intensity light source. 2,884,514, 4-28-59, Cl. 240-81.
- Boltnott, Boyd D., to Oil Center Tool Co. Constant volume controls. 2,918,933, 12-29-59, Cl. 137-502.
- Boje, Herbert H., and A. Schulz, to Armstrong Cork Co. Hydraulically actuated pressure foot for wood grinders. 2,918,039, 12-22-59, Cl. 121-1.
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- Bok, Harald A. Continuous cooking apparatus. 2,909,114, 10-20-59, Cl. 99-237.
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- Boker, Samuel J., G. S. Lazarus, and J. R. Sassoon. Check-writer. 2,896,533, 7-28-59, Cl. 101-101.
- Bokowski, Joseph G. Flexible drive coupling. 2,880,689, 4-7-59, Cl. 115-35.
- Bola, Joseph, Jr.: See—  
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- Boland, Albert J., Jr.: See—  
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- Boland, Albert J., Sr., and A. J. Boland, Jr. Furnace slot cover and operating mechanism. 2,869,847, 1-20-59, Cl. 263-8.
- Bolanowski, John P.: See—  
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- Bolay, Errol: See—  
Portenier, Ernst, Spinnler, Bolay, and Riolo. 2,871,372.
- Bolay, Errol, to Albiwerk Zurich, A.G. Filter arrangement for infrared viewing apparatus. 2,903,592, 9-8-59, Cl. 250-83.3.
- Boldebeck, Edith M., to General Electric Co. Halosilane hydrolysis with tetrahydrofuran and water. 2,901,460, 8-25-59, Cl. 260-46.5.
- Boldrini, Rina. Machine for curving and bending metallic sheets of different thickness. 2,870,817, 1-27-59, Cl. 153-54.
- Boldt, Juan A. Detachable top lift for ladies heel with bayonet lock. 2,912,773, 11-17-59, Cl. 36-42.
- Boldt, Melvin H., D. P. Chuboff, and D. J. Shooter, to Borg-Warner Corp. Indicator dial for range. 2,887,086, 5-19-59, Cl. 116-124.
- Boler, Leonard J., to Bendix Aviation Corp. High pressure shut-off valve. 2,918,072, 12-22-59, Cl. 137-38.
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- Boles, Nolan F. Child's automobile safety belt. 2,877,833, 3-17-59, Cl. 155-189.
- Bolesky, John D., to A. Medert, and R. W. Bolesky, trustees. Thermostatic controls. 2,891,128, 6-16-59, Cl. 200-138.
- Bolesky, Russell W.: See—  
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- Bolger, James W.: See—  
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- Bolger, Paul S. Push toy. 2,879,625, 3-31-59, Cl. 46-107.
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- Bolle, Victor W., to Collins Radio Co. Electrostatic meter. 2,888,671, 5-26-59, Cl. 340-347.
- Bolle, Victor W., to Collins Radio Co. Optical analogue of a radio scattering atmosphere. 2,893,138, 7-7-59, Cl. 35-19.
- Bolle, Victor W., to Collins Radio Co. Tuning system for frequency synthesizing means. 2,894,133, 7-7-59, Cl. 250-27.
- Bolle, Victor W., to Collins Radio Co. Low level microwave power meter. 2,901,700, 8-25-59, Cl. 324-95.
- Bolle, Victor W., to Collins Radio Co. Decade to binary converter. 2,905,935, 9-22-59, Cl. 340-347.
- Bolling, Cecil, to Dunham-Bush, Inc. Refrigeration system including defrosting apparatus. 2,876,630, 3-10-59, Cl. 62-234.
- Bolling, Owen S. Margin signal for typewriters. 2,913,096, 11-17-59, Cl. 197-187.
- Bolling, Virgil E. Variable speed transmission. 2,894,417, 7-14-59, Cl. 74-751.
- Bollingbroke, Frank: See—  
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- Bolkcom, Willbur T., and W. E. Knapp. Manganese-nickel base brazing alloys. 2,872,309, 2-3-59, Cl. 75-134.
- Bolkcom, Willbur T., and W. E. Knapp, to American Metalurgical Products Co. Copper and copper base alloys and methods of making the same. 2,879,159, 3-24-59, Cl. 75-153.
- Boll, Herman M.: See—  
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- Boll, Martin W., E. E. Trollo, and R. M. McRobbie, to Richmond Screw Anchor Co., Inc. Concrete inserts. 2,880,608, 4-7-59, Cl. 72-105.
- Bolland, Oscar J. Automatic fishing devices. 2,898,696, 8-11-59, Cl. 43-15.
- Bollefer, Dwight L.: See—  
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- Bollenbacher, Earle P., and W. J. Pankuch, to Thompson Products, Inc. Mechanical stop system. 2,905,009, 9-22-59, Cl. 74-412.
- Bollenback, Carol H., and C. E. Johnson, to National Aluminate Corp. Chemical compositions. 2,875,210, 2-24-59, Cl. 260-309.6.
- Boller, Ernest R.: See—  
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- Boller, Harry B., to Schlumberger Well Surveying Corp. Borehole apparatus. 2,892,501, 6-30-59, Cl. 166-100.
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- Bolles, Charles J., Jr., to General Motors Corp. Manifold with variable length ram pipes. 2,894,497, 7-14-59, Cl. 123-52.
- Bolles, James C., R. M. Matthews, and F. E. Bobo, Jr., to Chadbourn Gotham, Inc. Lady's full-fashioned hose having a non-bulky seam. Re. 24,737, 11-17-59, Cl. 66-178.
- Bollmann, Karl, to Landis & Gyr A.G. Electrical measuring instrument. 2,884,596, 4-28-59, Cl. 324-137.
- Bollmann, Karl, to Landis & Gyr A.G. Multiple rate electricity meters. 2,889,111, 6-2-59, Cl. 235-92.
- Bollmeier, Emil W., to Minnesota Mining & Mfg. Co. Splice-protector. 2,877,288, 3-10-59, Cl. 174-92.
- Bollmeier, Emil W., to Minnesota Mining & Mfg. Co. Wire-connector. 2,890,266, 6-9-59, Cl. 174-87.
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- Bollo, Francis G.: See—  
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- Bolmeyer, Kenneth A., to General Electric Co. Vehicle headlamp mounting. 2,910,577, 10-27-59, Cl. 240-41.6.
- Bolstad, Archibald N., to Minnesota Mining and Mfg. Co. Polymerization apparatus. 2,904,409, 9-15-59, Cl. 23-285.
- Bolstad, Archibald N., and R. L. Herbst, Jr., to Minnesota Mining and Mfg. Co. Polymerization process employing a perfluorochloroacetic acid as an emulsifying agent. 2,874,152, 2-17-59, Cl. 260-92.1.
- Bolstad, Archibald N., and J. M. Hoyt, to Minnesota Mining and Mfg. Co. 5,5,5-trifluoropentadiene-1,3 copolymers. 2,892,824, 6-30-59, Cl. 260-87.5.
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- Bolster, Ronald H.: See—  
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- Bolster, Ronald H., to Clark Equipment Co. Transmission. 2,867,126, 1-6-59, Cl. 74-360.
- Bolt Beranek and Newman Inc.: See—  
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- Bolt, Robert H., to Deere & Co. Adjustable support for partition-to-floor mountings. 2,877,875, 3-17-59, Cl. 189-34.
- Bolt, Robert O.: See—  
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- Bolt, Robert O., B. J. Fontana, and J. R. Wright, to United States of America, Atomic Energy Commission. Inhibited reactor coolants and use thereof. 2,883,331, 4-21-59, Cl. 204-193.2.
- Boltach, Helen. Pin for fabrics. 2,873,708, 2-17-59, Cl. 112-262.
- Bolter, John R.: See—  
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- Bolton, David E., F. Bristol, and M. R. Swan. Parachute canopy release. 2,914,273, 11-24-59, Cl. 244-151.
- Bolton, Heinrich: See—  
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- Bolton, Jimmie B. Folding bed chair. 2,867,821, 1-13-59, Cl. 5-332.
- Bolton, John W., & Sons, Inc.: See—  
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- Bolleys, Richard W. 2,917,245.
- Prevost, Bruno E. 2,871,769.
- Prevost, Bruno E. 2,896,711.
- Stuck, Harold D. 2,911,334.
- Bolton, Wallis D., to International Business Machines Corp. Apparatus for fixing electrographic printer images. 2,884,704, 5-5-59, Cl. 34-1.
- Bolton, Wallis D., to International Business Machines Corp. Electrophotographic printer. 2,889,758, 6-9-59, Cl. 95-1.7.
- Bolton, Wallis D., to International Business Machines Corp. Xerographic drum charging apparatus. 2,890,343, 6-9-59, Cl. 250-49.5.
- Bolton, Wallis D., to International Business Machines Corp. Data storage device. 2,910,229, 10-27-59, Cl. 235-61.11.
- Bolton, Wilbur M., and R. L. Ruse, to The Commonwealth Engineering Co. of Ohio. Precision vapor or sand blasting machines. 2,901,867, 9-1-59, Cl. 51-15.
- Boltz, Paul T.: See—  
Clark, Austin B. J., and Boltz. 2,882,796.
- Bolz, Alfred R., to American Telephone and Telegraph Co. Method of fabricating a grid electrode. 2,869,015, 1-13-59, Cl. 313-350.
- Bomac Laboratories Inc.: See—  
Alexander, Herbert C. 2,903,655.
- Alexander, Herbert C., and Burr. 2,918,603.
- Gilbert, Gordon W. 2,883,615.
- MacDonough, Francis X., and Vant. 2,897,417.
- Record, Frank A. 2,902,566.
- Roberts, Louis W. 2,879,438.
- Boman, Thomas G. Ironing board cover. 2,873,544, 2-17-59, Cl. 38-140.
- Bombardier, Germain. Endless tread for motor driven vehicles. 2,899,242, 8-11-59, Cl. 305-10.
- Bomberger, Howard B., and M. B. Vordahl, to Crucible Steel Co. of America. Metal pickling solutions and methods. 2,876,144, 3-3-59, Cl. 134-3.
- Bomke, Hans A., to United States of America, Army. Optical microwave power measuring system. 2,913,665, 11-17-59, Cl. 324-95.
- Bommer Spring Hinge Co., Inc.: See—  
Engels, Walter. 2,899,718.
- Frohlich, Hans. 2,875,468.
- Frohlich, Hans. 2,880,449.
- Kessler, Joseph H., and Engels. 2,904,825.
- Bon, Charles K.: See—  
Nelpert, Marshall P., and Bon. 2,885,282.
- Bon, Henri, to Etablissements Neyrpic. Corer for turbine driven well drilling units. 2,910,273, 10-27-59, Cl. 255-4.
- Bonaguro, John, to Unity Mfg. Co. Remote control mirror. 2,917,972, 12-22-59, Cl. 88-93.
- Bonami, Ernest: See—  
Hengsgen, Bernard T., Bonami, and Clemens. 2,907,152.
- Bonanno, Joseph L., to The Lionel Corp. Stereoscopic viewers. 2,889,744, 6-9-59, Cl. 88-31.
- Bonanno, Joseph L., to The Lionel Corp. Toy railroad systems. 2,896,202, 7-21-59, Cl. 340-388.
- Bonanno, Joseph L., to The Lionel Corp. Toy electric locomotives. 2,897,770, 8-4-59, Cl. 105-49.
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- Bonanno, Joseph L., and F. Pettit, to The Lionel Corp. Toy railroad trackside accessories. 2,882,644, 4-21-59, Cl. 46-40.
- Bonatz, Peter, and O. H. Drager; said Bonatz assor. to said Drager. Exit shaft section for shelters. 2,903,875, 9-15-59, Cl. 72-1.



- Bonbrake, Lawrence D., deceased, by L. A. Bonbrake, administratrix, to United States of America, Navy. Sonobuoy dispenser. 2,913,198, 11-17-59, Cl. 244-137.
- Bonbrake, Leona A.: See—  
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- Bond, Boyce C. Process and apparatus for treating fibrous materials. 2,876,063, 3-3-59, Cl. 8-151.
- Bond, Edgar L., Jr. Dispenser for tubes. 2,901,147, 8-25-59, Cl. 222-102.
- Bond, George C.: See—  
Smith, Raymond A., McClure, and Bond. 2,899,274.
- Bond, George R., Jr., to Houdry Process Corp. Esterification method. 2,910,489, 10-27-59, Cl. 260-407.
- Bond, George R., Jr., to Houdry Process Corp. Purification of piperazine. 2,919,275, 12-29-59, Cl. 260-268.
- Bond, Herbert M., and G. L. Groff, to Minnesota Mining and Mfg. Co. Silicone pressure-sensitive adhesive tape. 2,882,183, 4-14-59, Cl. 117-68.5.
- Bond, Jean B., to Monsanto Chemical Co. Method of making esters of haloaryloxy fatty acids. 2,878,278, 3-17-59, Cl. 260-473.
- Bond, Ralph W., and E. R. Brenholts. Combination road planer and rock crusher. 2,909,231, 10-20-59, Cl. 171-24.
- Bond Research Laboratories, Inc.: See—  
Guaraldi, Leonard A. 2,879,797.
- Bond, Scott R., to Levolor Lorentzen, Inc. Curtain cord equalizer. 2,877,527, 3-17-59, Cl. 24-123.
- Bonda, Hendrikus J., to Bonda's Veveoedebureau N.V. Methods and apparatus for pretreating green fodder. 2,890,956, 6-16-59, Cl. 99-8.
- Bondanini, Fallero. Coffee filter pot. 2,900,896, 8-25-59, Cl. 99-297.
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- Bondl, Arnold A., and L. B. Scott, to Shell Development Co. Hydroxy-containing copolymers and their preparation. 2,913,439, 11-17-59, Cl. 260-87.3.
- Bondl, Henry S., and J. G. Splitzer, to Carter Products, Inc. Low caloric Italian dressing. 2,916,384, 12-8-59, Cl. 99-144.
- Bondley, Ralph J., to General Electric Co. Waveguide window. 2,881,401, 4-7-59, Cl. 333-98.
- Bondley, Ralph J., to General Electric Co. External resonant section tubes. 2,910,614, 10-27-59, Cl. 315-546.
- Bondley, Ralph J., and M. E. Knoll, to General Electric Co. Conductive cements. 2,888,406, 5-26-59, Cl. 252-516.
- Bondley, Ralph J., and W. H. Teare, to General Electric Co. Electrode assembly. 2,900,541, 8-18-59, Cl. 313-32.
- Bondurant, Carlton W.: See—  
Wood, Charles W., and Bondurant. 2,889,700.
- Bondurant, Carlton W., and Bondurant. 2,891,730.
- Bondurant, Carlton W., to Standard-Thomson Corp. Fluid control valve. 2,885,152, 5-5-59, Cl. 236-34.
- Bone, Arnold R., and D. D. Sloan, to Dennison Mfg. Co. Apparatus for operating on sectional tag material. 2,890,650, 6-16-59, Cl. 101-19.
- Bone, Herbert L., to Westinghouse Air Brake Co. Snow blower control systems. 2,894,704, 7-14-59, Cl. 246-428.
- Bone, Herbert L., to Westinghouse Air Brake Co. Vehicle weight controller. 2,902,595, 9-1-59, Cl. 246-251.
- Bonetate, Michael J. Means for indicating proper stroke in golf. 2,910,297, 10-27-59, Cl. 273-186.
- Bonfanti, Vittorio. Articulator for prosthetic dentistry. 2,884,696, 5-5-59, Cl. 32-32.
- Bongiovanni, John C., to The Osborn Mfg. Co. Strip processing mechanism. 2,913,809, 11-24-59, Cl. 29-81.
- Bonham, Claude F., to Fada Radio & Electric Co., Inc. Roll mechanism for tool dressing machine. 2,909,945, 10-27-59, Cl. 76-5.
- Bonham, Don L., to Pacific Mercury Television Mfg. Corp. Attenuating circuit for electric organ. 2,913,948, 11-24-59, Cl. 84-119.
- Boni, Frank, Jr.: See—  
Gardner, Karl A., Gardner, and Boni. 2,911,200.
- Boni, Frank, Jr., to The Griscom-Russell Co. Heat exchanger tube sheet thermal shield construction. 2,915,295, 12-1-59, Cl. 257-236.
- Bonifaci, Leonard P.: See—  
Hiett, Melvin A., Bonifaci, and Reed. 2,879,642.
- Bonin, Richard E., and G. R. Townsend, to General Electric Co. Interlocking mechanism. 2,889,420, 6-2-59, Cl. 200-50.
- Bonine, Ralph O.: See—  
Boden, Samuel H., and Bonine. 2,889,396.
- Bonsch, Josef: See—  
Gopfert, Herbert, and Bonsch. 2,896,756.
- Bonistall, John F., to Shawnee Pottery Co. Television antenna, light and tray. 2,879,507, 3-24-59, Cl. 343-721.
- Bonk, Chalm: See—  
Rafowitz, Samuel, and Bonk. 2,883,669.
- Bonmartini, Giovanni, to "E S T" Etablissement Sciences Techniques. Rolling devices for vehicles of any kind. 2,876,049, 3-3-59, Cl. 305-10.
- Bonn, Leonard. Infinite baffle comprising a spherical shell of foamed plastic. 2,881,850, 4-14-59, Cl. 181-31.
- Bonn, Mathias, to F. Soennecken. Loose leaf binders. 2,894,400, 7-14-59, Cl. 74-96.
- Bonn, Theodore H.: See—  
Eckert, John P., Jr., and Bonn. 2,892,998.
- Bonn, Theodore H., and Bonn. 2,901,636.
- Bonn, Theodore H., to Sperry Rand Corp. Magnetic gating on core inputs. 2,907,894, 10-6-59, Cl. 307-88.
- Bonnafe, Oliver W., to The Lapointe Machine Tool Co. Di-level broaching machine. 2,870,688, 1-27-59, Cl. 90-33.
- Bonnafoux, Paul. Rotary pellet mill. 2,870,481, 1-27-59, Cl. 18-12.
- Bonnar, James G.: See—  
Crow, Clarence C., and Bonnar. 2,871,301.
- Bonnassieux, Jean: See—  
Sejournet, Jacques, and Bonnassieux. 2,893,554.
- Bonnaud, Henri: See—  
Spondlin, Rodolphe, Stouls, Bonnaud, and Simonet. 2,917,902.
- Bonneau, Louis P., to Department of Mines. Material classification. 2,910,178, 10-27-59, Cl. 209-144.
- Bonnell, Charles R., to Minneapolis-Honeywell Regulator Co. Two-axis rate gyros. 2,868,023, 1-13-59, Cl. 74-5.6.
- Bonnell, William S., and H. B. Willard, to Gulf Oil Corp. Process of preparing purified oxo product and production of alcohols. 2,880,244, 3-31-59, Cl. 260-638.
- Bonner, Charles A., to Pittsburgh Plate Glass Co. Movable table run-out and return apparatus. 2,874,644, 2-24-59, Cl. 104-48.
- Bonner, Charles F.: See—  
Ryburn, Jake R., and Bonner. 2,897,742.
- Bonner, Edwin K., Jr., and C. J. Wickert, to S. L. Allen & Co., Inc. Riding gang mower attachment for tractors. 2,890,561, 6-16-59, Cl. 56-7.
- Bonner, Gilbert B., to International Business Machines Corp. Cam operated code setup mechanism. 2,905,301, 9-22-59, Cl. 197-49.
- Bonner, Melvin L.: See—  
Hedges, Roy E. 2,867,903.
- Bonner, Olga R.: See—  
Schwab, Max, and Bonner. 2,872,885.
- Bonner, Raymond W., and F. P. Veslock. Electrical audio range sweep oscillator. 2,903,648, 9-8-59, Cl. 331-47.
- Bonner, Tom W., and R. L. Caldwell, to Socony Mobil Oil Co., Inc. Measurement of gamma ray energy due to inelastic neutron scattering. 2,905,826, 9-22-59, Cl. 250-83.6.
- Bonnerre, Lucien, to Compagnie Auxiliaire d'Electricite et d'Entreprise. Mould for vulcanization of electrical cables. 2,899,527, 8-11-59, Cl. 219-19.
- Bonness, Donald J.: See—  
Wheelwright, Edward H., Bonness, and Whitehorn. 2,876,702.
- Bonnet, Francois. Automatic slicing machines. 2,879,817, 3-31-59, Cl. 146-102.
- Bonnet, Paul: See—  
Cohen, Gilbert M., Bonnet, and Trelle. 2,871,365.
- Bonnet, Robert W., and T. G. Connor, to Duncan Electric Co., Inc. Separable connector clamp. 2,877,443, 3-10-59, Cl. 339-272.
- Bonnet, William E., to Sun Oil Co. Partial oxidation of hydrocarbons. 2,890,245, 6-9-59, Cl. 260-524.
- Bonney-Floyd Co., The: See—  
Bonney, John L. V., Jr. 2,874,428.
- Bonney Forge & Tool Works: See—  
Jackson, William M. 2,915,324.
- Bonney, John L. V., Jr., to The Bonney-Floyd Co. and 14 to Foundry Services Inc. Method of hardening of sand cores and the like. 2,874,428, 2-24-59, Cl. 22-193.
- Bonney, Robert B.: See—  
Doeleman, Henry, and Bonney. 2,869,115.
- Bonnier, Etienne: See—  
Andrieux, Jean L., and Bonnier. 2,867,527.
- Bono, Luigi, to Vittorio Necchi S. p. A. Rotary hook for sewing machines. 2,869,495, 1-20-59, Cl. 112-230.
- Bono, Luigi, to Vittorio Necchi Societa per Azioni. Cloth feed mechanism for sewing machines. 2,874,662, 2-24-59, Cl. 112-215.
- Bono, Luigi, to Vittorio Necchi Societa per Azioni. Zigzag control device for sewing machines. 2,905,119, 9-22-59, Cl. 112-158.
- Bonorden, Allen R., to Bell Telephone Laboratories, Inc. Translator. 2,912,679, 11-10-59, Cl. 340-174.
- Bonotto, Michele, 1/4 to McCormick & Co., Inc., and 1/4 to R. M. Webster, J. Bola, Jr., and said Bonotto, jointly. Process for coffee. 2,903,359, 9-8-59, Cl. 99-71.
- Bonrath, Wilhelm, and E. Urbschat, to Farbenfabriken Bayer Akt. Method of disinfecting seed grain by applying a composition comprising an hydroxyl aromatic diazo derivative. 2,889,245, 6-2-59, Cl. 167-30.
- Bonstedt, Kurt P., to Koppers Co., Inc. Tricresylphosphate process. 2,870,192, 1-26-59, Cl. 260-461.
- Bontempi, Joseph, to Pullman Couch Co. Sofa bed folding mechanism. 2,876,461, 3-10-59, Cl. 5-13.
- Bonton, Gertrude V.: See—  
Vischer, Alfred, Jr. 2,904,212.
- Bonvicino, Guido E., and J. H. Boothe, to American Cyanamid Co. Tetracycline and chlortetracycline quaternary alkylhalides. 2,911,441, 11-3-59, Cl. 260-559.
- Bonvini, Robert C., and W. F. Gryskiewicz. Syringe for ejecting plastic material. 2,869,763, 1-20-59, Cl. 222-388.
- Bonza, Louis F., and F. W. Thomas, to Lockheed Aircraft Corp. Water repellent silicon compounds. 2,877,201, 3-10-59, Cl. 260-33.6.
- Bonzagni, Francis A., O. P. Cohen, and A. H. Markhart, to Monsanto Chemical Co. Thermosetting resins and high wet strength paper prepared therefrom. 2,917,427, 12-15-59, Cl. 162-167.
- Boode, Carl N., to Bourns Laboratories, Inc. Insulation resistance measuring circuit. 2,916,697, 12-8-59, Cl. 324-54.

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- Booker, Aylwin R., to Aquadynamics, Inc. Ground for marine radio. 2,909,589, 10-20-59, Cl. 174-6.
- Booklund, Paul H., to American Can Co. Apparatus for rotating articles. 2,889,028, 6-2-59, Cl. 198-33.
- Bookmyer, Raymond F.: See—  
Roché, Jean A. F., and Bookmyer. 2,881,827.
- Bookout, Floyd V., H. R. Craven, and E. C. Johnson, to The Vendo Co. Package vending machine. 2,888,165, 5-26-59, Cl. 22-77.
- Booksh, Marcus H. Corset rib guard. 2,896,635, 7-28-59, Cl. 128-568.
- Bookwalter, William H., 50% to J. G. Wasson. Signal device. 2,915,036, 12-1-59, Cl. 116-35.
- Boolsky-Bogopolsky, Raphael. Optical system comprising two lens elements with one element having two separated concentric surfaces. 2,867,152, 1-6-59, Cl. 88-57.
- Boomer, Daryl R., E. T. Clapperton, and R. C. Phillips, to Wooduse, Inc. Continuous process for conversion of lignocellulose materials. 2,901,339, 8-25-59, Cl. 71-23.
- Boon, Harold A., to J. Lyons & Co. Ltd. Preparation and cold storage of ice cream. 2,903,370, 9-8-59, Cl. 99-180.
- Boon, Hendrikus J.: See—  
Seur, Christiaan J., and Boon. 2,890,278.
- Boone, Phillip. Display materials, devices and systems. 2,882,631, 4-21-59, Cl. 40-130.
- Boone, Wallace D., to O. P. W. Corp. Automatic liquid dispensing nozzles. 2,874,735, 2-24-59, Cl. 141-208.
- Boonton Radio Corp.: See—  
Phip, Anta T. 2,887,651.
- Boor, Ladislav, to United States of America, Army. Article mounting. 2,867,053, 1-6-59, Cl. 41-35.
- Boortz, John A. Portable folding swivel chair. 2,876,825, 3-10-59, Cl. 155-139.
- Boosey, Frederick R., to The Sigma Instrument Co. Ltd. Apparatus for controlling a machine tool in response to dimensional changes of a workpiece. 2,871,629, 2-3-59, Cl. 51-165.
- Boosman, Frank C., to Parker-Hannifin Corp. Shuttle valve. 2,900,166, 8-18-59, Cl. 251-175.
- Booth, Albert B.: See—  
Bain, Joseph P., Booth, and Gary. 2,894,040.
- Bain, Joseph P., Booth, Hunt, and Klein. 2,871,268.
- Booth, Albert B., to The Glidden Co. Preparation of tertiary aliphatic terpene alcohols. 2,871,271, 1-27-59, Cl. 260-614.
- Booth, Albert B., to The Glidden Co. Process for preparing a menthadiene ketone and composition. 2,918,495, 12-22-59, Cl. 260-587.
- Booth, Albert B., to The Glidden Co. Method of preparing nopaldehyde and hydronopaldehyde. 2,918,496, 12-22-59, Cl. 260-598.
- Booth, Albert N.: See—  
Blickoff, Emanuel M., and Booth. 2,890,116.
- Booth, Douglas G., and R. S. Wood, to The Plessey Co. Ltd. Speed control for combustion engines and turbines. 2,874,764, 2-24-59, Cl. 158-36.4.
- Booth, Eva J.: See—  
Booth, George W., and E. J. 2,918,064.
- Booth, Frank, to British Fibrak Separator Co. Ltd. Separators for electrical storage batteries. 2,877,136, 3-10-59, Cl. 117-76.
- Booth, Frederick E., Jr., G. E. Wanttaja, and R. B. Colten, to General Motors Corp. Torslograph. 2,915,896, 12-8-59, Cl. 73-70.1.
- Booth, George A., and A. V. de V. Krause, to Cinema-Television Ltd. Method of fabricating electron discharge devices. 2,879,583, 3-31-59, Cl. 29-25.13.
- Booth, George M., to Wallace & Tiernan Inc. Viscosity control method and apparatus for hydrating lime. 2,904,401, 9-15-59, Cl. 23-188.
- Booth, George W., and E. J. Colostomy irrigation apparatus. 2,918,064, 12-22-59, Cl. 128-283.
- Booth, Grant W.: See—  
Fillebrown, Stephen M., and Booth. 2,884,616.
- Booth, Grant W., L. C. Hobbs, and S. M. Fillebrown, to Radio Corp. of America. Memory system. 2,911,624, 11-3-59, Cl. 340-174.
- Booth, Harry T., and T. J. Lord, to United Aircraft Products, Inc. Pressure regulating valve. 2,894,326, 7-14-59, Cl. 137-116.5.
- Booth, Harry T., and T. J. Lord, to United Aircraft Products, Inc. Repeated action injector device. 2,894,712, 7-14-59, Cl. 251-13.
- Booth, Herbert G., to David Trautman Co., Inc. Clamp for garment hem marker. 2,892,233, 6-30-59, Cl. 24-248.
- Booth, Herbert J.: See—  
Egbert, Lawrence E. 2,883,927.
- Booth, Jack J., and W. C. Branch. Automatic replenishing device for cup dispensers. 2,869,754, 1-20-59, Cl. 221-11.
- Booth, James H., to Thompson Products, Inc. Ball joint and support therefor. 2,876,030, 3-3-59, Cl. 287-90.
- Booth, James H., to Thompson Products, Inc. Plastic lined ball joint assembly. 2,878,047, 3-17-59, Cl. 287-90.
- Booth, James H., to Thompson Ramo Wooldridge Inc. Ball bearing ball joint. 2,913,268, 11-17-59, Cl. 287-90.
- Booth, Joseph H., and L. W. Chubb, Jr., to Polaroid Corp. Photographic apparatus. 2,906,182, 9-29-59, Cl. 95-13.
- Booth, Leta P.: See—  
Booth, Thomas O. 2,892,752.
- Booth, Lionel E. Flotation machine. 2,875,897, 3-3-59, Cl. 209-169.
- Booth, Max H., to E. I. du Pont de Nemours and Co. Irreversibly elongatable cellulose triacetate structure and method of making. 2,900,669, 8-25-59, Cl. 18-48.
- Booth, Ralph M. Bucket support for attachment to step-ladders. 2,870,983, 1-27-59, Cl. 248-210.
- Booth, Raymond D. Electrical conductor bracket. 2,911,607, 11-3-59, Cl. 339-7.
- Booth, Richard H., and E. M. Payne, to Electric & Musical Industries Ltd. Automatic machine control systems. 2,882,864, 4-21-59, Cl. 121-41.
- Booth, Robert B., G. B. Walker, and C. F. Allen, deceased; E. G. Allen, executrix of the estate of said C. F. Allen; to American Cyanamid Co. Method of forming a protective coating on cyanidation tailings and the resulting product. 2,894,851, 7-14-59, Cl. 117-66.
- Booth, Robert B., and J. K. Heeren, to American Cyanamid Co. Flotation reagent composition. 2,919,025, 12-29-59, Cl. 209-166.
- Booth, Sheldon M. Automatic feed and depth control for a drill press. 2,909,082, 10-20-59, Cl. 77-6.
- Booth, Thomas O., deceased, by L. P. Booth, administratrix. Method of treating worms in ruminants. 2,892,752, 6-30-59, Cl. 167-53.
- Booth, William M.: See—  
Smith, Ralph E., Hannum, and Booth. 2,905,194.
- Booth, William M., to Gardner-Denver Co. Oil feeder having restrictor. 2,899,018, 8-11-59, Cl. 184-55.
- Booth, Alonzo M., to Avco Mfg. Corp. Intermediate frequency transformer. 2,872,649, 2-3-59, Cl. 333-77.
- Boothe, James H.: See—  
Bonvicino, Guido E., and Boothe. 2,911,441.
- Boothroyd, Wilson P., to Philco Corp. Multi-channel communication system. 2,878,316, 3-17-59, Cl. 179-15.
- Boothroyd, Wilson P., to Philco Corp. Cathode ray tube devices having signal-generating means. 2,900,563, 8-18-59, Cl. 315-21.
- Boothroyd, Wilson P., and E. M. Creamer, Jr., to Philco Corp. Multi-channel communication system. 2,878,370, 3-17-59, Cl. 250-27.
- Boots Aircraft Nut Corp.: See—  
Trzcinski, Joseph T. 2,879,820.
- Boots Pure Drug Co. Ltd.: See—  
Leiper, John W. G., and Watkins. Re. 24,657.
- Oxley, Peter, Bristow, Williams, Woolfe, and Williams. 2,904,590.
- Oxley, Peter, Bristow, Woolfe, and Williams. 2,912,438.
- Boots, William C., to Foster Metal Products Inc. Necktie clasp. 2,890,509, 6-16-59, Cl. 24-49.
- Bopp, Anton. Oxidation cells. 2,901,522, 8-25-59, Cl. 136-84.
- Bopp, Calvin C., to Avco Mfg. Corp. Transistor signal translating circuit. 2,894,150, 7-7-59, Cl. 307-88.5.
- Bopp, Cecil W., to Bopp Mfg., Inc. Loader. 2,918,322, 12-22-59, Cl. 294-63.
- Bopp-Decker Plastics, Inc.: See—  
Gilmore, Gerald D., and Decker. 2,912,719.
- Bopp Mfg., Inc.: See—  
Bopp, Cecil W. 2,918,322.
- Bopp, William E.: See—  
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- Borah, John E. Utility device. 2,871,615, 2-3-59, Cl. 45-28.
- Borah, John E. Combination extensible and foldable vent and spout for containers. 2,898,014, 8-4-59, Cl. 222-481.5.
- Borah, John E. Pouring stream control for container. 2,898,015, 8-4-59, Cl. 222-484.
- Borah, John E. Container spout. 2,898,018, 8-4-59, Cl. 222-529.
- Borbé, Erich. Hoop iron clamping member. 2,870,504, 1-27-59, Cl. 24-23.
- Borchardt, Edward R., to The Anaconda Co. Train loading apparatus. 2,876,915, 3-10-59, Cl. 214-41.
- Borchers, Charles W., Jr. Detachable running gear for transporting small boats. 2,909,378, 10-20-59, Cl. 280-79.1.
- Borchers, Heinz: See—  
Clostermann, Klaus. 2,887,523.
- Borek, Alfred E. G., to Aktiebolaget Separator. Method and plant for the recovery of oil and proteins from animal material. 2,888,449, 5-26-59, Cl. 260-112.
- Borda, John P., and J. A. Mardick, to National Lead Co. End lubricating bearing. 2,913,286, 11-17-59, Cl. 308-79.1.
- Borden Co., The: See—  
Bauer, Clifford D., Marks, and Bernardoni. 2,871,123.
- Block, Richard J., and Zweig. 2,903,358.
- Gordon, Philip L., and Cohen. 2,914,495.
- Halpern, Benjamin D., and Hoyt. 2,878,539.
- Lieb, David J. 2,907,748.
- Mitchell, Norval W. 2,878,953.
- Moffitt, William R., and Berkey. 2,884,335.
- Stahl, Oscar C. 2,894,483.
- Teppema, Jan. 2,902,458.
- Teppema, Jan. 2,902,459.
- Wechsler, Harry, Bernstein, and Herbst. 2,872,478.
- Borden, Edward W.: See—  
Borden, Moro M. 2,876,789.
- Borden, Franklin B. Inverted radial saw jig. 2,902,066, 9-1-59, Cl. 143-47.



- Borden, Howard C., and R. W. Crews, to A. B. Dick Co. Electrostatic writing tube. 2,879,422, 3-24-59, Cl. 313-89.
- Borden, Joseph H., to Toledo Scale Corp. Elevator leveling controls. 2,873,819, 2-17-59, Cl. 187-29.
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- Borden, Kennard F.: See—
- Borden, Moro M.: See—
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- Borden, Moro M., deceased; E. W. and K. F. Borden and The Fidelity Philadelphia Trust Co., executors, to Simplex Valve and Meter Co. Apparatus for use with liquid enclosures. 2,876,789, 3-10-59, Cl. 137-217.
- Bordenkircher, Bruce O., and C. O. Slemmons, to The General Tire & Rubber Co. Air spring control. 2,903,272, 9-8-59, Cl. 280-124.
- Borders, Charles R., to International Business Machines Corp. Blocking oscillator having sharp pulse cut-off. 2,889,456, 6-2-59, Cl. 250-27.
- Borders, Robert L., Jr., and G. Sltz. Canopy for automobile serving tray holder. 2,873,139, 2-10-59, Cl. 296-44.
- Bordnat, Eugene, Jr., and G. O. Hibbard, to Ford Motor Co. Speed warning device. 2,913,545, 11-17-59, Cl. 200-56.
- Bordner, Lawrence M., Jr. Safety release latch. 2,872,233, 2-3-59, Cl. 292-92.
- Borell, George L., to Almo Laboratories Co., Inc. Coaxial tube fluid injection system. 2,889,995, 6-9-59, Cl. 239-205.5.
- Boresch, Carl, to Farbenfabriken Bayer Akt. Cation exchangers containing selenic acid groups. 2,868,737, 1-13-59, Cl. 260-2.2.
- Borey, Daniel S.: See—
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- Spitz, Peter H., and Borey. 2,902,433.
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- Borfuss, Maurice. Snap compartment for handbags. 2,875,801, 3-3-59, Cl. 150-28.
- Borg, Edward M. Oil testing apparatus. 2,889,736, 6-9-59, Cl. 88-14.
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- Van Allen, De Witt T. 2,912,663.
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- Borg-Warner Corp.: See—
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- Boldt, Melvin H., Chuboff, and Shooter. 2,887,086.
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- Burnett, Everett R. 2,893,265.
- Calvert, William C. 2,908,661.
- Campbell, Henry H. 2,867,456.
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- Campbell, John D. 2,915,977.
- Carnagua, Harold E. 2,911,848.
- Carroll, John R. 2,912,917.
- Compton, James A. 2,900,920.
- Coolidge, John E., Jr., and Grossen. 2,900,042.
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- Ferris, Ernest A., and Fulton. 2,917,145.
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- Flinn, George E. 2,893,261.
- Fulton, Bertram A. 2,884,102.
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- Gates, Lynn L. 2,884,947.
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- Gommel, Dewey E. 2,883,872.
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- Headings, William W. 2,884,902.
- Hempel, Rudolph M. 2,896,432.
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- High, Carl F. 2,888,002.
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- Johnson, Horace A. 2,918,974.
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- Key, Donald E. 2,909,195.
- Kuehner, Richard L. 2,874,032.
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- Laskowski, William H. 2,868,111.
- Lebourg, Maurice P. 2,873,675.
- Lowe, Harold. 2,888,834.
- Lundeen, Chester H., and B. 2,875,657.
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- Maler, Dale E. 2,900,856.
- Mathewson, Arthur A., Jr., and Penfield. 2,903,240.
- McColl, John W. 2,879,870.
- McNatt, Ralph D. 2,907,178.
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- Nielsen, Milton R. 2,867,462.
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- Smirl, Richard L. 2,893,526.
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- Taylor, Raymond G., Jr. 2,917,352.
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- Wayman, Robert W. 2,911,987.
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- Whelpley, Gordon E. 2,886,984.
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- Bornkessel, Paul, to P. Bornkessel. Pressure gas burners. 2,869,632, 1-20-59, Cl. 158-116.
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- Borst, Lyle B., to United States of America, Atomic Energy Commission. Method of testing hermetic containers. 2,873,603, 2-17-59, Cl. 73-52.
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- Bostwick, Lee G., and R. L. Guncelle, to Bell Telephone Laboratories, Inc. Electromechanical vibrator. 2,877,319, 3-10-59, Cl. 200-90.
- Boswau, Hans P., R. V. Oldham, and H. G. Evers, to Leich Electric Co. Telephone system crossbar relay private branch exchange. 2,907,832, 10-6-59, Cl. 179-22.
- Boswau, Hans P., H. W. Clausen, and H. G. Evers, to Leich Electric Co. Mechanical counting relay. 2,907,983, 10-6-59, Cl. 340-168.
- Boswell, Robert B.: See—  
Jominy, Walter E., Olson, and Boswell. 2,881,491.
- Boswell, Thomas L.: See—  
Ensign, George G., and Boswell. 2,875,262.
- Bosworth, Cyrus M., Jr., and R. T. Divers, to Carrier Corp. Air conditioning apparatus. 2,902,834, 9-8-59, Cl. 62-78.
- Bot Brassert Oxygen Technik A.G.: See—  
Ripensch, Rudolf F. 2,893,861.
- Boteler, Henry W., to Grinnell Corp. Diaphragm valves. 2,892,613, 6-30-59, Cl. 251-331.
- Botham, Arthur R., to Arrow Mfg. Co., Inc. Display box for watches, etc. 2,867,353, 1-6-59, Cl. 220-82.
- Bothwell, William R., to Federal Paper Board Co., Inc. Box handle. 2,869,771, 1-20-59, Cl. 229-52.
- Botkin, Lawrence A., to Butler Mfg. Co. Tandem axle vehicle suspension. 2,874,973, 2-24-59, Cl. 280-104.5.
- Botko, George H. Cushion ischial seat for an artificial above-knee leg socket and below-knee weight bearing lacer. 2,908,018, 10-13-59, Cl. 3-17.
- Botnick, Irvin, to The Kromex Corp. Foldable table with hinged top. 2,873,156, 2-10-59, Cl. 311-80.
- Bott, George S.: See—  
Konazewski, William P., and Bott. 2,918,759.  
Sandhage, Ellsworth R., and Bott. 2,907,357.
- Bott, Hugh R.: See—  
Kressman, Theodore R. E., Tye, and Bott. 2,894,894.
- Bottasso, Carlo, to Pirelli S.p.A. Divided rim assemblies for tubeless tires. 2,879,825, 3-31-59, Cl. 152-404.
- Bottmiller, Merton M. Seat construction. 2,901,028, 8-25-59, Cl. 155-184.
- Bottmiller, Merton M., and A. L. Engelmann, to Homecrest Co. Swivel chair. 2,916,084, 12-8-59, Cl. 155-95.
- Botti, Alfred, to C. M. Hall Lamp Co. Speedometer cable fitting. 2,872,793, 2-10-59, Cl. 64-04.
- Botti, Alfred, to C. M. Hall Lamp Co. Speedometer-assembly cable. 2,918,808, 12-29-59, Cl. 64-4.
- Botti, Argentino, and O. E. Pabst. Continuous linear closing devices. 2,909,822, 10-27-59, Cl. 24-201.
- Bottino, Ada. Scouring pad containing dispensable sub-stance. 2,899,780, 8-18-59, Cl. 51-185.
- Bottje, John D., and R. B. Shulters, to Gardner-Denver Co. Load balancer for hoists. 2,901,219, 8-25-59, Cl. 254-168.
- Botto, Piero, to Officine Botto-Mecanica di Precisione-Societa a r. l. Liquefied petroleum gas pressure mixer. 2,872,911, 2-10-59, Cl. 123-120.
- Bottom, Virgil E., to Motorola, Inc. Transistor method and product. 2,900,584, 8-18-59, Cl. 317-235.
- Bottoms, Charles H., to Joseph Lucas (Industries) Ltd. Control means for road vehicle hydraulic power trans-mission systems. 2,903,852, 9-15-59, Cl. 60-53.
- Bottoms, Paul H., R. J. Clapp, R. H. Loggins, and J. G. Stansbury, to Swedlow Plastics Co. Method and apparatus for stretching thermoplastic sheet material. 2,918,696, 12-29-59, Cl. 18-1.
- Bottoms, Robert R., to Chemetron Corp. Racemization of optically active menthol. 2,871,272, 1-27-59, Cl. 260-631.
- Bottonari, Samuel A., to Westinghouse Electric Corp. Cir-cuit interrupter. 2,875,300, 2-24-59, Cl. 200-146.
- Bottonari, Samuel A., to Westinghouse Electric Corp. Circuit interrupters. 2,900,477, 8-18-59, Cl. 200-147.
- Bottonari, Samuel A., to Westinghouse Electric Corp. Circuit breaker. 2,913,558, 11-17-59, Cl. 200-148.
- Bottorf, James D., and O. A. Labus, to The Trane Co. Air conditioning unit. 2,913,227, 11-17-59, Cl. 257-137.
- Botts, Hugh P. Map holding clip. 2,867,925, 1-13-59, Cl. 40-10.
- Botts, Hugh P. Rotary mounting arrangement. 2,907,488, 10-6-59, Cl. 220-24.
- Bottum, Edward W. Filter. 2,875,901, 3-3-59, Cl. 210-184.
- Bottum, Edward W. Strainer. 2,893,563, 7-7-59, Cl. 210-448.
- Boubet, Charles, and A. L. M. Dupuis. Transducer of me-chanical vibrations into electrical oscillations. 2,887,660, 5-19-59, Cl. 332-2.
- Bouchard, Blanche E.: See—  
Du Grenier, Francis C., and Perri. 2,884,163.
- Bouchard, Irvine H. Doublet antenna array with alternate arms mounted in respective planes, parallel to common reflector. 2,869,125, 1-13-59, Cl. 343-808.
- Bouchard, John R., and R. L. Hammon, to Sperry Rand Corp. Compensated gyro vertical. 2,878,679, 3-24-59, Cl. 74-544.
- Bouchard, Leo S. Device for attachment to a collar. 2,871,483, 2-3-59, Cl. 2-132.
- Bouchard, Phyllis J. Heat transfer and conversion system. 2,903,862, 9-15-59, Cl. 62-231.
- Boucher, Cormack E. Daylight film loading and developing apparatus. 2,900,514, 8-18-59, Cl. 250-65.
- Boucher, Frank G., to Jersey Production Research Co. Vibratory rotary drilling method and apparatus. 2,911,192, 11-3-59, Cl. 255-1.8.
- Boucher, Frank G., and B. W. Sewell, to United States of America, Navy. Mercury switch spinner head timing unit. 2,910,645, 10-27-59, Cl. 324-28.
- Boucher, Richard C. Apparatus for and process of remov-ing skins from tomatoes. 2,865,252, 1-13-59, Cl. 146-46.
- Boucke, Heinz, and K. Brecht, to Radio Patents Co. Means for blood pressure determination. 2,875,750, 3-3-59, Cl. 128-205.
- Boudette, Cornelius G., deceased; M. E. Boudette, executrix, to Joy Mfg. Co. Drill steel supporting and storing device. 2,909,288, 10-20-59, Cl. 211-60.
- Boudette, Mary E.: See—  
Boudette, Cornelius G. 2,909,288.
- Boudreau, John L. Pistol with grip forming an angle of 31° with frame. 2,899,767, 8-18-59, Cl. 42-75.
- Boudreaux, Francis A. Fire injection engines. 2,906,254, 9-29-59, Cl. 123-143.
- Bougher, Earl: See—  
Bittorf, Irvin. 2,896,852.
- Boughton, Roger C. Gasket for bell and spigot pipe joints. 2,868,576, 1-12-59, Cl. 288-33.
- Boughton, Roger C. Pipe saddle and laminated strap means for securing same to pipe. 2,884,265, 4-28-59, Cl. 285-197.
- Boughtwood, John E., and F. H. Cusack, to The Western Union Telegraph Co. Diversity telegraph system. 2,899,548, 8-11-59, Cl. 250-8.
- Boulet, Francois, C. Dufour, and P. Giraud, to Compagnie Generale de Telegraphie Sans Fil. Photosensitive storage tubes. 2,890,361, 6-9-59, Cl. 313-66.

- Boulet, Georges, to Societe A Responsabilite Limitee Recherches Etudes Production, R.E.P. Monochronous pneu-matic suspension for vehicles. 2,898,103, 8-4-59, Cl. 267-65.
- Boulet, Georges, to Societe A responsabilite Limitee, Recher-ches Etudes Production, R.E.P. Vehicle suspension system. 2,901,243, 8-25-59, Cl. 267-65.
- Boulligny, R. H., Inc.: See—  
Poythress, James W. 2,904,193.  
Snider, Robert L., Jr. 2,905,977.  
Wilson, Robert W. 2,886,053.
- Bouille, Joseph R.: See—  
Russell, John A., and Bouille. 2,867,427.
- Bouis, Howarth E.: See—  
Yost, De Witte M., Schmitt, and Bouis. 2,874,754.
- Bouisset, Fernand: See—  
Augery, Jean, and Bouisset. 2,868,157.
- Boule, George P.: See—  
Koons, George I., Boule, and Swanson. 2,868,539.
- Boulet, Georges. Cooling of blades in machines where blad-ing is employed. 2,868,500, 1-13-59, Cl. 253-39.15.
- Boultinghouse A. C. to Wen-Mac Corp. Toy engine starter. 2,875,554, 3-3-59, Cl. 46-78.
- Bouma, Lawrence. Detachable connector for milking systems or the like. 2,881,010, 4-7-59, Cl. 294-17.
- Bouma, Lawrence. Milking machine vacuum system con-struction. 2,883,964, 4-28-59, Cl. 119-14.16.
- Bouma, Lawrence. Counterweighted milking machine recep-tacle support. 2,893,350, 7-7-59, Cl. 119-14.12.
- Bouman, Jan, J. D. H. Homan, and R. Sieders, to Organon Inc. Suspensions of drugs destined for injection and pro-cess for the preparation thereof. 2,902,408, 9-1-59, Cl. 167-82.
- Bouman, Maarten A., to the Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van de Rijksverdediging (National Defence Research Council T.N.O.). Apparatus for testing light discrimina-tion. 2,916,963, 12-15-59, Cl. 88-20.
- Bound Brook Oil-Less Bearing Co.: See—  
Ryshavy, Rudolph L. 2,893,793.
- Bounds, Pershing M. Device for mounting and fixing a trailer on a flat car. 2,905,104, 9-22-59, Cl. 105-159.
- Bounds, William E., to Limelite Corp. Photographic flash apparatus. 2,868,958, 1-13-59, Cl. 240-1.3.
- Boudry, Francis J. Electric ignition magneto. 2,874,202, 2-17-59, Cl. 123-149.
- Bounin, Claude. Method and apparatus for accelerating the degree and rate of separation of solids from liquids. 2,899,071, 8-11-59, Cl. 210-527.
- Bourassa, Hugues, to The Atlas Bolt & Screw Co. Scale totalizer. 2,871,005, 1-27-59, Cl. 265-28.
- Bourassa, Hugues A., and E. Gunell. Pump. 2,871,797, 2-3-59, Cl. 103-161.
- Bourbon Cooperage Co., Inc.: See—  
Humphrey, William T. 2,893,446.
- Bourelier de Carbon, Christian M. L. L. Shock absorbers. 2,882,592, 4-21-59, Cl. 29-428.
- Bourelier de Carbon, Christian M. L. L. Resilient stilts. 2,899,685, 8-18-59, Cl. 3-4.
- Bourdon, Pierre M., to Compagnie Generale des Etablisse-ments Michelin (Robert Puiseux & Cie). Pneumatic tire casings. 2,894,555, 7-14-59, Cl. 152-361.
- Bourdon, Pierre M., to Compagnie Generale des Etablissements Michelin. Mountings for tubeless pneumatic tires on ve-hicle wheels. 2,906,315, 9-29-59, Cl. 152-410.
- Bourdod, Hubert: See—  
Kohn, Samuel, and Bourdod. 2,904,574.
- Bourgeois, Nolan A., Jr.: See—  
Creveling, Robert, and Bourgeois. 2,883,535.
- Bourgeois, Yves: See—  
Roussos, Michel, and Bourgeois. 2,897,243.
- Bourget, Joseph G. A., and C. C. Pfitzer, to Avco Mfg. Corp. Remote control system for a television receiver. 2,897,354, 7-28-59, Cl. 250-20.
- Bourgoin, Laureo P. Automobile window screen. 2,869,634, 1-20-59, Cl. 160-40.
- Bourgonjon, Louis R., and J. van Sandwijk, to North Ameri-can Philips Co., Inc. Radio-transmitter for frequency-shift telegraphy made operative in response to modulation. 2,901,598, 8-25-59, Cl. 250-17.
- Bourguet, Jean M., R. D. Drew, and F. E. Ray, to Socony Mobil Oil Co., Inc. Method and apparatus for transfer of contact materials. 2,901,421, 8-25-59, Cl. 208-174.
- Bourke, John D., to Robbins & Myers, Inc. Helical gear pump with stator compression. 2,874,643, 2-24-59, Cl. 103-117.
- Bourke, John D., and S. A. Comer, to Robbins & Myers, Inc. Grit and corrosion seal for universal joints in pumps having eccentrically moving rotors. 2,915,979, 12-8-59, Cl. 103-117.
- Bourke, Raymond I. Anti-jackknifing fifth-wheel for tractor trailer. 2,907,582, 10-6-59, Cl. 280-432.
- Bourne, Alfred T. Garment hangers. 2,886,224, 5-12-59, Cl. 223-91.
- Bourne, Roland R., and J. P. Tyskewicz, to Emhart Mfg. Co. Straight through silencer. 2,904,125, 9-15-59, Cl. 181-42.
- Bourne, Roland R., and J. P. Tyskewicz, to Emhart Mfg. Co. Full-pack silencer. 2,914,132, 11-24-59, Cl. 181-42.
- Bourns Laboratories, Inc.: See—  
Boode, Carl N. 2,916,697.  
Bourns, Marlan E., and Caddock. 2,898,568.  
Bourns, Marlan E., and Hardison. 2,873,340.  
Bourns, Marlan E., Harrison, Gaa, and Barrett. 2,886,681.  
Bourns, Marlan E., Harrison, Goepfinger, and Gaa. 2,870,302.  
Bourns, Marlan E., Hardison, and Hulbert. 2,882,375.  
Bourns, Marlan E., Harrison, and Hardison. 2,873,337.  
Bourns, Marlan E., Harrison, and Stewart. 2,886,676.  
Bourns, Marlan E., and O'Brian. 2,881,296.  
Bourns, Marlan E., and Richards. 2,873,339.  
Harrison, Marvin E., Tyson, and Mellor. 2,877,325.  
Marks, Eugene A., and Ferguson. 2,881,277.  
O'Brian, Edward D. 2,870,303.  
O'Brian, Edward D. 2,870,304.  
Royce, Donald F. 2,898,569.
- Bourns, Marlan E. Pressure responsive potentiometers. 2,877,326, 3-10-59, Cl. 201-48.
- Bourns, Marlan E. Variable resistors. 2,877,328, 3-10-59, Cl. 201-55.
- Bourns, Marlan E. Temperature responsive resistor. 2,881,294, 4-7-59, Cl. 201-48.
- Bourns, Marlan E. Digital readout device. 2,886,677, 5-12-59, Cl. 201-48.
- Bourns, Marlan E., M. E. Harrison, E. J. Goepfinger, and D. L. Gaa; said Harrison, Goepfinger and Gaa, assors, to Bourns Laboratories, Inc. Potentiometers. 2,870,302, 1-20-59, Cl. 201-62.
- Bourns, Marlan E., M. E. Harrison and W. T. Hardison; said Harrison and said Hardison assignors to Bourns Labora-tories, Inc. Variable resistor. 2,873,337, 2-10-59, Cl. 201-62.
- Bourns, Marlan E., and A. G. Richards; said Richards assor, to Bourns Laboratories, Inc. Variable resistor. 2,873,339, 2-10-59, Cl. 201-62.
- Bourns, Marlan E., and W. T. Hardison; said Hardison assor, to Bourns Laboratories, Inc. Variable resistor. 2,873,340, 2-10-59, Cl. 201-62.
- Bourns, Marlan E., and E. D. O'Brian; said O'Brian assor, to Bourns Laboratories, Inc. Potentiometer constructions. 2,881,296, 4-7-59, Cl. 201-56.
- Bourns, Marlan E., W. T. Hardison, and W. D. Hulbert; said Hardison and said Hulbert assors, to Bourns Laboratories, Inc. Variable resistor constructions. 2,882,375, 4-14-59, Cl. 201-62.
- Bourns, Marlan E., M. E. Harrison, and A. W. Stewart; said Harrison and said Stewart assors, to Bourns Laboratories, Inc. Potentiometer-accelerometer apparatus. 2,886,676, 5-12-59, Cl. 201-48.
- Bourns, Marlan E., M. E. Harrison, D. L. Gaa, and R. O. Barrett; said Harrison, said Gaa, and said Barrett assors, to Bourns Laboratories, Inc. Variable resistor construc-tion. 2,886,681, 5-12-59, Cl. 201-62.
- Bourns, Marlan E., and R. E. Caddock; said Caddock assor, to Bourns Laboratories, Inc. Adjustable resistors. 2,898,568, 8-4-59, Cl. 338-117.
- Bourque, Paul E.: See—  
Farmer, Doris. 2,899,533.
- Bourquin, Jean Pierre: See—  
Stoll, Arthur, Bourquin, and Renz. 2,902,491.  
Stoll, Arthur, Renz, and Bourquin. 2,902,486.
- Bourquin, Maurice A. Package of twine or the like. 2,918,169, 12-22-59, Cl. 206-64.
- Bourrillon, Roland: See—  
Maier-Huser, Hans, and Bourrillon. 2,894,875.
- Boushey, Homer A. Jet propelled propeller or rotor blade. 2,917,895, 12-22-59, Cl. 60-39.35.
- Boussu, Gabriel X. R. L. P. F. A. Neuville, and L. H. N. Saint-Frison, to Compagnie Generale des Etablissements Michelin. Pneumatic tires. 2,884,040, 4-28-59, Cl. 152-356.
- Boutelle, Allen O., to Thomas Industries Inc. Lighting fix-ture with convoluted spring louver. 2,906,864, 9-29-59, Cl. 240-46.35.
- Boutros, Richard D., and M. Dykman, to Mixing Equipment Co., Inc. Sealing means for receptacle shaft opening. 2,911,240, 11-3-59, Cl. 286-11.13.
- Boutry, Georges A., and L. Le Blan, to North American Philips Co., Inc. Signal transmission system. 2,907,830, 10-6-59, Cl. 179-15.
- Bouvier, Arthur: See—  
Zubal, Anthony, and Bouvier. 2,879,918.
- Bouvier, George A., to North American Aviation, Inc. Elec-tromechanical actuator. 2,871,382, 1-27-59, Cl. 310-82.
- Bouvier, George A., to North American Aviation, Inc. Low speed actuator. 2,909,944, 10-27-59, Cl. 74-800.
- Bouwers, Albert, to N. V. Optische Industrie "De Oude Delft." Device for the insertion and removal of film in mirror cameras. 2,910,924, 11-3-59, Cl. 95-31.
- Bovard, Robert M., to M. S. A. Research Corp. Oxygen pro-ducting canister for breathing apparatus. 2,889,210, 6-2-59, Cl. 23-281.
- Bovard, Robert M., to Mine Safety Appliances Co. Oxygen producing canister. 2,913,317, 11-17-59, Cl. 23-281.
- Bovay, H. E., Jr., Consulting Engineers: See—  
Wheeler, Lionel H., and Robertson. 2,880,892.
- Bove, Pierre. Covering and waterproofing material. 2,893,907, 7-7-59, Cl. 154-50.



- Bowie, Valentine. Device for teaching dancing. 2,901,838, 9-1-59, Cl. 35-29.
- Bowan, Walter J.: See—  
Mueller, Frank H., and Bowan. 2,893,465.
- Bowan, Walter J., to Mueller Co. Apparatus for changing stops. 2,867,034, 1-6-59, Cl. 29-213.
- Bowan, Walter J., to Mueller Co. Device for changing stop valves. 2,867,243, 1-6-59, Cl. 138-89.
- Bowater Research and Development Co., Ltd.: See—  
Duffin, Earle R. 2,875,944.
- Bowden, Archibald H., and Crayford. 2,888,902.
- Bowden, Bert W.: See—  
Florman, Irvin G., and Bowden. 2,882,963.
- Bowden (Engineers) Ltd.: See—  
Melsom, Walter A. 2,888,277.
- Bowden, George W., to General Electric Co. Positive clutch with damping arrangement. 2,869,700, 1-20-59, Cl. 192-67.
- Bowden, Henry F., and B. J. Richardson; said Richardson assor. to said Bowden. Detachable extension for shelves. 2,914,191, 11-24-59, Cl. 211-153.
- Bowden, John N.: See—  
Brennan, Elmer W., and Bowden. 2,882,231.
- Bowden, John N., and E. W. Brennan, to The Pure Oil Co. Paper-machine oils. 2,885,362, 5-5-59, Cl. 252-32.7.
- Bowden, William H., to Alliance Ware, Inc. Basin installation. 2,870,458, 1-27-59, Cl. 4-157.
- Bowditch, Noel L., to The Foxboro Co. Reinforced expandable tube. 2,893,431, 7-7-59, Cl. 137-793.
- Bowditch, William R., Jr., to Taylor Fibre Co. Insulating material. 2,879,827, 3-31-59, Cl. 154-2.6.
- Bowe, George R., H. R. Schutz, and J. J. Suchocki, to Owens-Illinois Glass Co. Method and apparatus for washing glass articles. 2,908,598, 10-13-59, Cl. 134-8.
- Bowen & Co., Inc.: See—  
Baker, Robert N. 2,895,738.
- Kern, George R. 2,871,562.
- Bowen, Edgar C.: See—  
Wangelin, Don J., and Bowen. 2,900,321.
- Bowen, Edward K.: See—  
Johnson, Lloyd A., and Bowen. 2,871,037.
- Bowen, Edward K., to Federal-Mogul-Bower Bearings, Inc. Lubricant seal construction. 2,879,114, 3-24-59, Cl. 308-187.2.
- Bowen, Frederick D. and G. B. Safety gas valves. 2,890,712, 6-16-59, Cl. 137-459.
- Bowen, Harold G., to U.S. Ring Traveler Co. Ring traveler. 2,918,780, 12-29-59, Cl. 57-125.
- Bowen, John C.: See—  
Wolf, Robert C., and Bowen. 2,873,878.
- Bowen, Julius I.: See—  
Mullins, Elwood H., and Bowen. 2,892,412.
- Bowen, Kermit A., 3% to R. A. and C. B. Sage, and by court decree 25% to H. E. Rector. Instrument for inscribing an ellipse. 2,899,748, 8-18-59, Cl. 33-30.
- Bowen, Max E. Pressurized douche applicator. 2,870,767, 1-27-59, Cl. 128-224.
- Bowen, Richard L., Jr. Constant speed web windup. 2,887,280, 5-19-59, Cl. 242-75.5.
- Bowen, Richard L., Jr. Constant tension unwinding control. 2,916,227, 12-8-59, Cl. 242-75.5.
- Bowen, Richard L., Jr. Constant tension unwinding control. 2,883,122, 4-21-59, Cl. 242-75.5.
- Bowen, S. R., Co.: See—  
Segelhorst, August V. 2,891,772.
- Bowen, William R., to United States of America, Atomic Energy Commission. Process for the recovery of metal values. 2,873,166, 2-10-59, Cl. 23-14.5.
- Bowen, William S. Solar energy apparatus. 2,872,915, 2-10-59, Cl. 126-271.
- Bowen, William V. Conveyor belt cleaning apparatus. 2,885,069, 5-5-59, Cl. 198-230.
- Bower, Benjamin F. Frankfurter tongs. 2,892,655, 6-30-59, Cl. 294-106.
- Bower, Byron F., to Pines Engineering Co., Inc. Universal and adjustable mounting for a clamp die in a tube bending machine. 2,871,909, 2-3-59, Cl. 153-46.
- Bower, Byron F., and R. J. Meredith, to Pines Engineering Co., Inc. Tube bending machine with pivotally mounted adjustable pressure dies. 2,887,141, 5-19-59, Cl. 153-33.
- Bower, Clyde S. Coin register. 2,881,975, 4-14-59, Cl. 235-32.
- Bower, Ernest P., O. C. Maurits, and G. N. Stelma. Thumb-operated latch actuator. 2,905,497, 9-22-59, Cl. 292-336.3.
- Bower, Frank A., and J. W. Heberling, Jr., to E. I. du Pont de Nemours and Co. Preparation of monochloro-1,1-difluoroethanes. 2,899,472, 8-11-59, Cl. 260-653.8.
- Bower, Fred: See—  
Miller, Walter H., and Bower. 2,885,650.
- Bower, George C. Magnetic clutch tap drive. 2,914,155, 11-24-59, Cl. 192-21.5.
- Bower, John L.: See—  
Mittell, Frank C., Chase, Matey, Pollock, Dawson, and Bower. 2,902,696.
- Bower, John L., to North American Aviation, Inc. Vector gage. 2,906,179, 9-29-59, Cl. 90-13.5.
- Bower, John L., and W. R. Abbott, to North American Aviation, Inc. Magnetic gage. 2,875,524, 3-3-59, Cl. 33-125.
- Bower, John L., and W. R. Abbott, to North American Aviation, Inc. Multiple linear range error decoder. 2,906,934, 9-29-59, Cl. 318-28.
- Bower, John L., and W. R. Abbott, to North American Aviation, Inc. Device indicating relative position between work-piece and line scriber. 2,916,826, 12-15-59, Cl. 33-32.
- Bower Mfg. Co., Inc.: See—  
Bower, Ralph H., to The Bower Mfg. Co., Inc. Marauder guard. 2,891,508, 6-23-59, Cl. 119-51.
- Bower, Warren R.: See—  
Whitesel, Harry A., and Bower. 2,890,574.
- Bower, William L., to James Neill & Co. (Sheffield) Ltd. Lifting magnets. 2,915,682, 12-1-59, Cl. 317-159.
- Bowerman, Edwin R., to Sylvania Electric Products Inc. Method for the production of conductive patterns and resultant product. 2,905,539, 9-22-59, Cl. 41-43.
- Bowerman, Edwin R., and E. B. Saubestre, to Sylvania Electric Products Inc. Electropolishing method. 2,874,104, 2-17-59, Cl. 204-140.5.
- Bowers Battery and Spark Plug Co.: See—  
Campanelli, Samuel. Re. 24,631.
- Bowers, Charles E., Sr., to The Fibre-Metal Products Co. Mounting for welders' helmets, face shields and the like. 2,889,606, 6-9-59, Cl. 24-211.
- Bowers, Eric H., and O. Thoma, to Dowty Hydraulic Units Ltd., and O. Thoma. Hydraulic power transmission. 2,896,411, 7-28-59, Cl. 60-53.
- Bowers, Frederick A., to Phillips Petroleum Co. Process for removing inert gases from ammonia synthesis gas. 2,881,053, 4-7-59, Cl. 23-198.
- Bowers, Fritz K., to Bell Telephone Laboratories, Inc. Delta modulation compander. 2,897,273, 7-28-59, Cl. 179-15.6.
- Bowers, Herbert L., to Pfaunder Permutit, Inc. Water de-aerating means. 2,917,176, 12-15-59, Cl. 210-150.
- Bowers, Robert E., to R-E-B, Inc. Radio construction. 2,895,044, 7-14-59, Cl. 250-14.
- Bowers, Roland G., to Sun Oil Co. Inhibitor sweetening process for hydrocarbon oil containing an organic. 2,891,002, 6-16-59, Cl. 208-189.
- Bowers, Roy L., and G. W. Colby, to General Motors Corp. Sealed electrical terminals. 2,874,206, 2-17-59, Cl. 174-77.
- Bowers, Van B. Collapsible supporting trestle. 2,897,911, 8-4-59, Cl. 182-155.
- Bowerston Shale Co., The: See—  
Milliken, Frank H. 2,898,741.
- Bowes, Charles A.: See—  
Lindeke, Charles B. 2,894,676.
- Bowes, Henry A., to Warner-Lambert Pharmaceutical Co. Atractic composition comprising 10-(1-methyl-3-piperidyl-methyl)-phenothiazine and 10-(3-dimethylamino-propyl)-2-chlorophenothiazine. 2,872,376, 2-3-59, Cl. 167-65.
- Bowes, Henry E.: See—  
Whipple, Richard J., and Bowes. 2,872,677.
- Bowes, Robert M.: See—  
Golden, Samuel J. 2,909,183.
- Bowie, Robert M., to Sylvania Electric Products Inc. Timing and phase-control circuits. 2,883,659, 4-21-59, Cl. 343-13.
- Bowlin, Richard E. Sewing machine mechanisms. 2,912,946, 11-17-59, Cl. 112-215.
- Bowker, Harry W.: See—  
Ashley, Edward L., and J. W. Bowker, Hall, and Kendall. 2,872,398.
- Bowker, Walter C.: See—  
Wurtz, John W., and Bowker. 2,893,058.
- Bowland, Charles R. Food grinder. 2,896,683, 7-28-59, Cl. 146-192.
- Bowlby, Clarence W., to Boeing Airplane Co. Physical thickness gauge. 2,876,551, 3-10-59, Cl. 33-147.
- Bowlden, Earl T. Wall construction. 2,869,355, 1-20-59, Cl. 72-33.
- Bowler, Gordon E.: See—  
Shank, Robert J., and Bowler. 2,878,466.
- Bowles, Glen A. Coffee percolator. 2,872,560, 2-3-59, Cl. 219-43.
- Bowles, Vernon O., to Socony Mobil Oil Co., Inc. Multistage concurrent-countercurrent liquid gas contact and apparatus therefor. 2,877,099, 3-10-59, Cl. 23-288.
- Bowles, Vernon O., to Socony Mobil Oil Co., Inc. Low pressure drop fractionating tray. 2,880,980, 4-7-59, Cl. 261-114.
- Bowles, Vernon O., to Socony Mobil Oil Co., Inc. Integrated pretreating and reforming of the pretreated naphtha. 2,903,415, 9-8-59, Cl. 208-89.
- Bowles, William R.: See—  
Gugle, Duane W., Goss, and Bowles. 2,882,714.
- Bowles, William S., to Wall Colmonoy Corp. Method and composition for forming a porous metallic coating. 2,868,667, 1-13-59, Cl. 117-22.
- Bowling, John F.: See—  
Adams, Dustin S., and Bowling. 2,907,165.
- Bowling Machines, Inc.: See—  
James, Joseph. 2,917,309.
- Bownan, Anna H.: See—  
Bowman, Samuel G. 2,892,375.
- Bowman, Samuel G. 2,898,794.
- Bowman, Samuel G. 2,900,164.
- Bowman, Samuel G. 2,910,907.
- Bowman, Donald C., to Sinclair Oil & Gas Co. Cathode ray tube deflection circuit control apparatus. 2,911,638, 11-3-59, Cl. 340-324.
- Bowman, Francis. Machine for stacking hides. 2,884,244, 4-28-59, Cl. 271-86.

- Bowman, Henry V., to Char-Gale Mfg. Co. Register construction. 2,903,957, 9-15-59, Cl. 98-106.
- Bowman, Howard J.: See—  
Williams, Elmer W., and Bowman. 2,874,263.
- Bowman, Hyman D. Fluid heater. 2,881,301, 4-7-59, Cl. 219-33.
- Bowman, Jacob W. Apparatus for making food products. 2,915,957, 12-8-59, Cl. 99-238.
- Bowman, James A.: See—  
Couper, Alistair S., Stein, and Bowman. 2,904,604.
- Bowman, Joseph H., to American Steel Band Co. Roofing material. 2,895,432, 7-21-59, Cl. 108-13.
- Bowman, Karl R.: See—  
Rada, Frank J., and Bowman. 2,870,902.
- Bowman, Lawrence E., to Leonard Valve Co. Heater valve. 2,910,243, 10-27-59, Cl. 236-12.
- Bowman, Lee P.: See—  
Wright, Roy E. 2,891,260.
- Bowman, Lewis W.: See—  
Bartlett, Jeffrey H., Brodkey, and Bowman. 2,875,244.
- Bowman, Lewis W., and R. F. Leary, to Esso Research and Engineering Co. Polymerization of propylene. 2,874,153, 2-17-59, Cl. 260-93.7.
- Bowman, Lewis W., R. F. Leary, and W. J. G. McCulloch, to Esso Research and Engineering Co. Cured polypropylene. 2,890,187, 6-9-59, Cl. 260-23.5.
- Bowman, Paul F., to Alford Package Machines, Inc. Carton sealing machine. 2,912,806, 11-17-59, Cl. 53-76.
- Bowman, Paul F., to Continental Paper Co. Machine for applying end closures to cartons. 2,912,809, 11-17-59, Cl. 53-137.
- Bowman, Robert S.: See—  
Barrett, Elliott P., and Bowman. 2,914,431.
- Bowman, Roy O. Fish lure. 2,889,657, 6-9-59, Cl. 43-42.06.
- Bowman, Samuel G., 1/2 to A. H. Bowman, and 1/2 to J. M. Guthrie. Pipe organ assembly. 2,892,375, 6-30-59, Cl. 84-337.
- Bowman, Samuel G., deceased, 1/2 to A. H. Bowman and J. M. Guthrie. Pipe organ valve. 2,898,794, 8-11-59, Cl. 84-337.
- Bowman, Samuel G., deceased, by V. B. Caldwell, administratrix, 1/2 to A. H. Bowman and 1/2 to J. M. Guthrie. Pipe organ valves. 2,900,164, 8-18-59, Cl. 251-138.
- Bowman, Samuel G., deceased, 1/2 to A. H. Bowman and 1/2 to J. M. Guthrie. Pipe organ combinations. 2,910,907, 11-3-59, Cl. 84-331.
- Bowman, Spencer: See—  
Von Stroh, Gerald F. H., and Bowman. 2,868,527.
- Bown, Delos E., J. P. Keller, and A. T. Watson, to Esso Research and Engineering Co. Electrical reduction process. 2,904,486, 9-15-59, Cl. 204-164.
- Bown, Delos E., and F. W. Lampe, to Esso Research and Engineering Co. Catalyst compositions. 2,913,445, 11-17-59, Cl. 260-94.9.
- Bown, James R. Firescreen panel or the like. 2,913,047, 11-17-59, Cl. 160-348.
- Bowness, George W., and J. Scott. Vehicle body extension. 2,872,239, 2-3-59, Cl. 296-26.
- Bownik, Nicholas J., Jr., to Bell Telephone Laboratories, Inc. Magnetic pulse generator. 2,912,602, 11-10-59, Cl. 307-106.
- Bowser, Chester L., Jr., to The Martin Co. Apparatus for stretch-wrap forming metal workpieces. 2,880,864, 6-9-59, Cl. 153-32.
- Bowser, Inc.: See—  
Daley, Roger J., and Schaber. 2,918,173.
- Grant, Michael G., and Topol. 2,919,030.
- Rittenhouse, Howard E. 2,898,079.
- Taylor, Jack A., and Topol. 2,883,345.
- Topol, George J., Baranowski, and Bartik. 2,870,859.
- Bowser, Percy L., Jr.: See—  
Peterson, William F., Venner, and Bowser. 2,874,010.
- Bowser, Phillip C., and R. E. Denzer, to General Motors Corp. Air suspension levelling device. 2,906,526, 9-29-59, Cl. 267-65.
- Box, E. O., Jr.: See—  
Drehman, Lewis E., and Box. 2,881,229.
- Boxer, John R., and H. Bincer, to The Babcock & Wilcox Co. Ultrasonic testing apparatus. 2,875,607, 3-3-59, Cl. 73-67.9.
- Boxer, John R., and H. Bincer, to The Babcock & Wilcox Co. Ultrasonic probes. 2,896,098, 7-21-59, Cl. 310-S.1.
- BoyaJean, John A., to Fairchild Camera and Instrument Corp. Photoelectric pick-up system for engraving machines. 2,870,250, 1-20-59, Cl. 178-7.1.
- Boyar-Schultz Corp.: See—  
Bunnell, William S. 2,869,402.
- Boyce, Billy E. Fire extinguisher. 2,876,845, 3-10-59, Cl. 169-26.
- Boyce, Edward R. Ditcher. 2,916,835, 12-15-59, Cl. 37-98.
- Boyce, John, to Food Machinery and Chemical Corp. Fruit processing machine. 2,891,591, 6-23-59, Cl. 146-43.
- Boyce, Reginald D. Patches for rubber articles. 2,888,972, 6-2-59, Cl. 152-367.
- Boyce, Walter A.: See—  
Plagge, Vernon L., and Boyce. 2,901,646.
- Boyce, William T. Coffee percolator strainer support. 2,873,031, 2-10-59, Cl. 210-480.
- Boychick, Walter. Rewind crank for cameras. 2,879,008, 3-24-59, Cl. 242-71.3.
- Boyd, Frank. Mechanism for removing a self-propelled vehicle from mud, snow and the like. 2,886,119, 5-12-59, Cl. 180-8.
- Boyd, George E., E. R. Russell, and J. Schubert, to United States of America, Atomic Energy Commission. Adsorption method for separating thorium values from uranium values. 2,898,185, 8-4-59, Cl. 23-14.5.
- Boyd, Godfrey M., to General Electric Co. Apparatus for coating cavities. 2,868,163, 1-13-59, Cl. 118-317.
- Boyd, John R. Supercharger system for internal combustion engines. 2,903,847, 9-15-59, Cl. 60-13.
- Boyd, Lord Q., to Standard Oil Co. Defoliation of plants. 2,903,347, 9-8-59, Cl. 71-2.7.
- Boyd, Richard K.: See—  
Clement, Milton A., and Boyd. 2,902,638.
- Boyd, Robert E., to International Business Machines Corp. Ratio measuring apparatus. 2,919,067, 12-29-59, Cl. 235-196.
- Boyd, Robert L., Jr., and C. E. Huntsinger, to Commercial Controls Corp. Space heating system and apparatus. 2,882,383, 4-14-59, Cl. 219-39.
- Boyd, Thomas R., to Illinois Tool Works. Twisted tooth lock washer having anti-skid body section. 2,895,524, 7-21-59, Cl. 151-37.
- Boyd, Thomas R., to Illinois Tool Works. Stud carried locking detents with means to hold the detents in lock position. 2,906,311, 9-29-59, Cl. 151-9.
- Boyd, Thomas R., to Illinois Tool Works. Serrated, expandable lock nut. 2,914,106, 11-24-59, Cl. 151-21.
- Boyd, William H. A., to United States of America, Army. Self-regulating parachute. 2,917,255, 12-15-59, Cl. 244-138.
- Boyd, Wilton E., Jr., to Alliance Mfg. Co., Division of Consolidated Electronics Industries Corp. Remote control positioner. 2,883,596, 4-21-59, Cl. 318-31.
- Boyd-Brent, Peter, to Harry Ferguson of India Ltd. Soft ground cultivator attachment for tractors and the like. 2,871,956, 2-3-59, Cl. 172-72.
- Boydell, Kenneth R., to Rotol Ltd. Refrigeration systems. 2,871,672, 2-3-59, Cl. 62-172.
- Boydin, Robert E., R. E. Eakin, R. S. Mark, and I. J. Spiro, to Flo-Ball Pen Corp. Writing instrument. 2,884,900, 5-5-59, Cl. 120-42.3.
- Boydin, Robert E., M. V. Scozzafava, and A. F. Stansell, to Clary Corp. Sales transaction machine. 2,894,449, 7-14-59, Cl. 101-96.
- Boydin, Robert E., and F. N. Schwend, to Clary Corp. Printing apparatus. 2,916,989, 12-15-59, Cl. 101-269.
- Boyer, André F., to Charbonnages de France. Metallurgical coke and process for producing the same. 2,877,163, 3-10-59, Cl. 202-33.
- Boyer, Charles J.: See—  
Simpson, Jack N., and Boyer. 2,895,137.
- Boyer, John L., H. C. McWilliams, and A. P. Colalaco, to Westinghouse Electric Corp. Semiconductor rectifier assembly. 2,889,498, 6-2-59, Cl. 317-234.
- Boyer, John L., to Westinghouse Electric Corp. Control circuitry. 2,910,641, 10-27-59, Cl. 321-66.
- Boyer, John L., A. P. Colalaco, and H. C. McWilliams, to Westinghouse Electric Corp. Semiconductor rectifier device. 2,917,686, 12-15-59, Cl. 317-234.
- Boyer, Lee H., to Phillips Petroleum Co. Pebble heater apparatus and process. 2,881,231, 4-7-59, Cl. 260-679.
- Boyer, Lyndon D., to Phillips Petroleum Co. Process and apparatus for pelleting. 2,867,513, 1-6-59, Cl. 23-314.
- Boyer, Lyndon D.: See—  
Pennington, Edward N., Pollock, Wood, Andrews, and Boyer. 2,883,271.
- Boyer, Marion J., and E. A. Dvorak, to Ford Motor Co. Windshield wiper control. 2,877,661, 3-17-59, Cl. 74-503.
- Boyer, Martin. Leaf vacuum collector and burner. 2,905,963, 9-29-59, Cl. 15-339.
- Boyer, Ralph K., to The Dill Mfg. Co. Valve stem for tubeless tires. 2,872,963, 2-10-59, Cl. 152-427.
- Boyer, Ralph K., to The Dill Mfg. Co. Valve stem. 2,874,750, 2-24-59, Cl. 152-427.
- Boyer, Ralph K., and R. H. Nece, to The Dill Mfg. Co. Needle type valve for inflatable container. 2,907,341, 10-6-59, Cl. 137-223.
- Boyer, Robert H., to The Kirkwood Commutator Co. Commutator for electric machines. 2,898,448, 8-4-59, Cl. 310-236.
- Boyer, Richard P., Jr.: See—  
Gatzert, Ernest H., Pharis, and Boyer. 2,913,533.
- Boyer, Richard P., Jr., to General Dynamics Corp. Signaling systems. 2,869,046, 1-13-59, Cl. 317-141.
- Boyer, Roscoe A. Self-scoring teaching apparatus. 2,911,741, 11-10-59, Cl. 35-9.
- Boyer, Wayne L., to United States of America, Army. Streamer mount for flagstaffs. 2,869,507, 1-20-59, Cl. 116-173.
- Boyer, Wilhelm, K. Eisenburger, W. Hufnagel, and J. Ritter, to EVG Entwicklungs- und Verwertungsgesellschaft M.b.H. Steel reinforcement for reinforced concrete structure. 2,916,910, 12-15-59, Cl. 72-110.
- Boyers, Gertrude G., to Engelhard Industries, Inc. Hydrogenation of mono- and disaccharides to polyols. 2,868,847, 1-13-59, Cl. 260-635.
- Boyetown Burial Casket Co.: See—  
Eisenhard, Eli S., and Faust. 2,889,609.



Boyes, Alfred L.: See—  
Smith, Paul L., and Boyes. 2,911,308.  
Boyett, C. B., to Terry Industries, Inc. Method of plating metallic surfaces. 2,893,931, 7-7-59, Cl. 204-33.  
Boykin, Benjamin J. Fowl deheading apparatus. 2,874,402, 2-24-59, Cl. 17-12.  
Boykin, Otis F., to Chicago Telephone Supply Corp. Wire type precision resistor. 2,891,227, 6-16-59, Cl. 338-62.  
Boykin, Robert M. Course spacing tool. 2,881,532, 4-14-59, Cl. 33-180.  
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Newman, Douglas A., Boylan, Schlottbauer, and Smatlak. 2,872,863.  
Boylan, Henry W., to General Motors Corp. Vehicle air conditioning apparatus. 2,891,388, 6-23-59, Cl. 62-243.  
Boylan, Henry W., to General Motors Corp. Universal air deflector outlet devices. 2,894,441, 7-14-59, Cl. 98-2.  
Boylan, Henry W., H. C. Doane, and L. E. Muller, to General Motors Corp. Systems for modifying heat content of air introduced into vehicles. 2,883,161, 4-21-59, Cl. 257-7.  
Boylan, Henry W., H. C. Doane, and A. E. McManama, to General Motors Corp. Heating, ventilating and air conditioning systems for vehicles. 2,893,700, 7-7-59, Cl. 257-7.  
Boylan, Henry W., and J. E. Mall, to General Motors Corp. Air outlet devices. 2,894,444, 7-14-59, Cl. 98-2.  
Boyle, Francis A.: See—  
Thompson, William E., and Boyle. 2,908,642.  
Thompson, William E., and Boyle. 2,908,643.  
Boyle, Francis A., to Sun Oil Co. Treatment of underground formations. 2,908,641, 10-13-59, Cl. 252-8.55.  
Boyle, Homer G., to Arco Mfg. Corp. Simplified electronic commutator. 2,915,634, 12-1-59, Cl. 250-27.  
Boyle, James M.: See—  
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Boyle, John R. Refrigerating system. 2,882,698, 4-21-59, Cl. 62-220.  
Boyle, John R., and D. H. Gold, to Bohn Aluminum & Brass Corp. Refrigeration defrosting system. 2,902,835, 9-8-59, Cl. 62-155.  
Boyle, John W., to United States Steel Corp. Rail plow for dismantling railway tracks. 2,901,217, 8-25-59, Cl. 254-104.  
Boyle, Richard J.: See—  
Lonz, Robert S., and Boyle. 2,877,230.  
Boyle, Stanley, and L. Chaiken, to R. S. Mehr. Electric fastener driving machines. 2,879,510, 3-31-59, Cl. 1-3.  
Boyle, Willard S., to Bell Telephone Laboratories, Inc. Intermittent discharge pulse generators. 2,905,820, 9-22-59, Cl. 250-37.  
Boyle, Willard S., and R. W. Ketchledge, to Bell Telephone Laboratories, Inc. Self-propagating intermittent discharge delay lines. 2,884,565, 4-28-59, Cl. 315-84.5.  
Boyles, Carroll H., to Whirl-Clean Corp. Paint roll and paint roll mounting. 2,913,752, 11-24-59, Cl. 15-230.  
Boyles, John H., to Tufted Patterns, Inc. Method and means for feeding thread in tufting machines. 2,876,441, 3-3-59, Cl. 112-79.  
Boyne Products, Inc.: See—  
Dryer, Peter J. 2,882,358.  
Dryer, Peter J. 2,902,556.  
Boynton, A. J., and Co.: See—  
Tietig, Rudolph, Jr., and Pollingue. 2,872,180.  
Boynton, Arthur J., to A. J. Boynton & Co. Lance handling apparatus. 2,886,308, 5-12-59, Cl. 266-34.  
Boynton, Erwin R., to General Electric Co. Method of assembling compressor and motor. 2,911,709, 11-10-59, Cl. 29-153.5.  
Boynton, Harry G., E. W. Lewis, and A. T. Watson, to Esso Research and Engineering Co. Method for conducting photochemical reactions. 2,890,990, 6-16-59, Cl. 204-162.  
Boynton, Harry G., and W. R. Edwards, to Esso Research and Engineering Co. Process for alkylating aromatic hydrocarbons. 2,896,001, 7-21-59, Cl. 260-671.  
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Corbitt, Howard E., Hill, and Bozarth. 2,870,287.  
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Bozeman, John W., to Burroughs Corp. Character recognition apparatus. 2,898,576, 8-4-59, Cl. 340-149.  
Bozenka, Joseph, to The Budd Co. Work handling apparatus for sheet forming presses and the like. 2,888,153, 5-26-59, Cl. 214-1.  
Bozer, Keith B.: See—  
Archer, Wesley L., Bozer, and Rickert. 2,895,935.  
Bozer, Keith B., R. S. Montgomery, and W. L. Archer, to The Dow Chemical Co. Finish for polyester textile materials. 2,875,099, 2-24-59, Cl. 117-138.8.  
Bozer, Keith B., R. S. Montgomery, and W. L. Archer, to The Dow Chemical Co. Finish for cellulosic textile materials. 2,875,100, 2-24-59, Cl. 117-139.5.  
Bozich, Michael J. Bin level indicator. 2,909,766, 10-20-59, Cl. 340-246.  
Bozich, Samuel, A. J. Shmidt, and J. W. Smalling, to Esso Research and Engineering Co. Removal of hydrogen sulfide from hydrocarbons. 2,884,377, 4-28-59, Cl. 208-230.

Bozich, Samuel, E. W. Lewis, and B. D. Smith, to Esso Research and Engineering Co. Process for recovery of crystallizable hydrocarbons from crystalline slurries in stages. 2,913,503, 11-17-59, Cl. 260-666.  
Bozin, Zoran. Mirror support. 2,877,687, 3-17-59, Cl. 88-99.  
Bozorth, Richard M., to Bell Telephone Laboratories, Inc. Method of making single crystal cores of a ferrite including cobalt and cores so made. 2,906,979, 9-29-59, Cl. 336-218.  
Bozzo, Eugene A. Process for canning fresh prunes. 2,897,088, 7-28-59, Cl. 99-186.  
Braak, Dirk J., to North American Phillips Co., Inc. Radio system comprising a main station and a plurality of sub-stations. 2,901,543, 8-25-59, Cl. 179-15.5.  
Braatz, Willi, to Ingersoll-Rand Co. Socket. 2,896,985, 7-28-59, Cl. 287-119.  
Braatz, Willi, to Canadian Ingersoll-Rand Co. Ltd. Method of forming gun barrels. 2,917,809, 12-22-59, Cl. 29-1.1.  
Brabander, Herbert J.: See—  
Bach, Frederick L., Jr., Brabander, and Kushner. 2,909,523.  
Brabander, Carl W.: See—  
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Marchbank, John. 2,893,072.  
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Baumgartner, Walter E., and Brace. 2,917,527.  
Bracht, Charles A., to Sears, Roebuck and Co. Body supporting garment. 2,915,067, 12-1-59, Cl. 128-469.  
Bracht, Paul. Process for the manufacture of containers. 2,906,180, 9-29-59, Cl. 93-94.  
Brack, Karl, to Hercules Powder Co. Herbicidal compositions containing esters of 1-ethynylcyclohexanol. 2,885,278, 5-5-59, Cl. 71-2.6.  
Brackensley, Auguste H., to The Franco-British Electrical Co., Ltd. Display apparatus. 2,867,049, 1-6-59, Cl. 40-28.3.  
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Brackett, John C., and R. Guyer, to Waldorf Paper Products Co. Container formed of corrugated board. 2,885,138, 5-5-59, Cl. 229-14.  
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Blair, Boyd C. 2,873,852.  
Brackman, Willem, to Shell Development Co. Process for the preparation of aldehydes and ketones. 2,883,426, 4-21-59, Cl. 260-596.  
Brackmann, William J., E. R. Schlesinger, and L. Harris, to United Aircraft Corp. Apparatus for obtaining statistical data. 2,910,233, 10-27-59, Cl. 235-151.  
Braconier, Frederic F. A., H. Le Bihan, and R. Arnaud, to Societe Belge de l'Azote et des Produits Chimiques du Marly. Process of preparation of unsaturated higher aliphatic alcohols. 2,876,265, 3-3-59, Cl. 260-638.  
Brad Foote Gear Works, Inc.: See—  
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Gunderson, Gunnar E., and Hollmann. 2,917,949.  
Bradaska, Leo M. Pump for the elevation of liquids. 2,909,127, 10-20-59, Cl. 103-260.  
Bradburn, Ervin M., to International Telephone and Telegraph Corp. Pulse shaper circuit. 2,890,420, 6-9-59, Cl. 333-20.  
Bradburn, William J., Jr., to The Louis Allis Co. Constant surface speed regulator. 2,897,427, 7-28-59, Cl. 318-145.  
Bradburn, William J., Jr., and H. R. A. Hansen, to The Louis Allis Co. Voltage regulator. 2,882,480, 4-14-59, Cl. 322-28.  
Bradburn, William J., Jr., E. G. Conger, and H. R. A. Hansen, to The Louis Allis Co. Static current limit regulator for motor system. 2,884,578, 4-28-59, Cl. 318-143.  
Bradbury, Charles H., and W. S. Air conditioner awning. 2,874,551, 2-24-59, Cl. 62-262.  
Bradbury, Frederick J., to Automotive Products Co. Ltd. Servo-devices of the differential air pressure type. 2,915,047, 12-1-59, Cl. 121-46.5.  
Bradbury, James W.: See—  
Beach, John M., and Bradbury. 2,886,344.  
Bradbury, James W., to Paul R. Pontis and Associates, Inc. Thermometer. 2,893,245, 7-7-59, Cl. 73-363.3.  
Bradbury, William S.: See—  
Bradbury, Charles H. and W. S. 2,874,551.  
Braddock, James S.: See—  
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Braddy, De Carr C.: See—  
Rowand, Will H., and Braddy. 2,902,982.  
Bradfield, William W., and R. E. Anderson, to Rigidbilt Inc. Unit cooler. 2,871,677, 2-3-59, Cl. 62-285.  
Bradford, Bernard W., and W. J. Skinner, to United States of America Atomic Energy Commission. Molded sealing element. 2,879,247, 3-24-59, Cl. 260-41.  
Bradford Dryers' Association Ltd.: See—  
Evans, John G., Landells, and Meals. 2,911,324.  
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Parker, Charles S., and Melville. 2,905,999.  
Bradford, E. E.: See—  
Faulkner, Ford R. 2,912,274.

Bradford Novelty Co., Inc.: See—  
Burnbaum, Jack. 2,907,130.  
Bradford, Wylie B. Resilient support assembly. 2,897,520, 8-4-59, Cl. 5-348.  
Bradle, John B.: See—  
Bailey, Edward A., Bradle, and Crathern. 2,890,630.  
Bradley, Addison B., to Whirlpool Corp. Fluid suction device. 2,875,947, 3-3-59, Cl. 230-117.  
Bradley, Charles H., Jr.: See—  
Moore, Ralph W., and Bradley. 2,881,570.  
Bradley, Clayton W.: See—  
Stanley, John P., and Bradley. 2,870,062.  
Bradley Container Corp.: See—  
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Root, Andrew A. 2,876,358.  
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Bradley, George S. Rabbit feeders. 2,874,678, 2-24-59, Cl. 119-61.  
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Bradley, Jesse G. Container racking and wheel attachment. 2,904,345, 9-15-59, Cl. 280-47.13.  
Bradley, John R., to Kontak Mfg. Co. Ltd. Pumps for metering liquids. 2,902,936, 9-8-59, Cl. 103-38.  
Bradley, John S., F. P. Otto, and F. M. Seger, to Socony Mobil Oil Co., Inc. Preparation of complex carbonated metal salts of alkyl phenol sulfides and mineral oil fractions containing the same. 2,916,454, 12-8-59, Cl. 252-42.7.  
Bradley, Melvin F. 40% to F. Michaels. Mounting device for patterns. 2,892,226, 6-30-59, Cl. 22-157.  
Bradley, Milton, Co.: See—  
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Bradley Mining Co.: See—  
King, Burnham W., Jr., and Hedden. 2,918,382.  
Schaefer, Glenn R. 2,918,414.  
Schaefer, Glenn R. 2,918,415.  
Bradley, Ralph L.: See—  
Bradley, Harold W. 2,890,852.  
Bradley, Robert O., to Toledo Scale Corp. Platform supporting structure for weighing scales. 2,901,235, 8-25-59, Cl. 265-71.  
Bradley, Robert O., to Toledo Scale Corp. Flexure ribbon guards. 2,918,268, 12-22-59, Cl. 265-27.  
Bradley & Vrooman Co.: See—  
Yusem, Milton. 2,895,929.  
Yusem, Milton. 2,895,930.  
Bradley, William E., to Philco Corp. Signal shaping system. 2,871,453, 1-27-59, Cl. 333-20.  
Bradley, William E., to Philco Corp. Semiconductor device and method of manufacture. 2,885,608, 5-5-59, Cl. 317-234.  
Bradley, William E., to Philco Corp. Electronic cooling device and method for the fabrication thereof. 2,898,743, 8-11-59, Cl. 62-3.  
Bradley, William G., and F. D. Patrick, to The Dow Chemical Co. Electrical contact apparatus. 2,915,731, 12-1-59, Cl. 339-5.  
Bradmillier, Richard W., to Arco Mfg. Corp. Detector and AGC system. 2,891,145, 6-16-59, Cl. 250-20.  
Bradner, Ernest G., to Dominion Fasteners Ltd. Fasteners. 2,910,155, 10-27-59, Cl. 189-88.  
Bradshaw & Co.: See—  
Bradshaw, Grant D. 2,896,743.  
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Bradshaw, Harold: See—  
Shaw, Hugh H., Sanderson, and Bradshaw. 2,876,607.  
Bradshaw, Harry O.: See—  
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Houck, Claude A., and Bradshaw. 2,883,931.  
Bradshaw, John A. Cultivator tool unit and plant shield assembly. 2,894,591, 7-14-59, Cl. 172-512.  
Bradshaw, Norman H. Exhaust systems of internal combustion engines. 2,913,871, 11-24-59, Cl. 60-30.  
Bradshaw, Robert S., to Burroughs Corp. Pneumatic controlled sheet feeder. 2,902,278, 9-1-59, Cl. 271-30.  
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Bradshaw, William H., to Celanese Corp. of America. Method and apparatus for production of viscose rayon filamentary materials. 2,892,675, 6-30-59, Cl. 8-151.  
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Price, Clarence A., Fischer, and Schultz. 2,901,186.  
Bradstock, Robert B., and W. B. Zellina, to General Electric Co. Current measuring reactor arrangement. 2,915,707, 12-1-59, Cl. 324-127.  
Bradstreet, John L. Portable machine for reconditioning farm implement discs while on the implement structure. 2,888,844, 6-2-59, Cl. 76-89.2.  
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Bradstreet, Samuel W., to Armour Research Foundation of Illinois Institute of Technology. Method and compositions for flame spraying. 2,904,449, 9-15-59, Cl. 117-48.  
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Bradstreet, Samuel W., and H. L. Rechter, to Armour Research Foundation of Illinois Institute of Technology. Ceramic coated golf club head. 2,908,502, 10-13-59, Cl. 273-167.  
Bradt, Rexford, to Fiberfil Corp. Glass-reinforced thermoplastic injection molding compound and injection molding process employing it. 2,877,501, 3-17-59, Cl. 18-55.  
Bradway, Keith E.: See—  
Yundt, Albert P., and Bradway. 2,879,236.  
Yundt, Albert P., and Bradway. 2,916,468.  
Bradway, Malcolm S.: See—  
De Neergaard, Lef E. 2,882,475.  
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Brady, Charles V., to Bemis Bros. Bag Co. Bag. 2,889,979, 6-9-59, Cl. 229-62.5.  
Brady, Charles V., and A. F. Ottinger, to Bemis Bros. Bag Co. Bag. 2,870,955, 1-27-59, Cl. 229-46.  
Brady, Dale W. Crop cutting, blowing and gathering implement. 2,882,667, 4-21-59, Cl. 56-24.  
Brady, Dale W. Vegetation cutting means. 2,902,813, 9-8-59, Cl. 56-24.  
Brady, Dale W. Hay conditioning implement. 2,911,780, 11-10-59, Cl. 56-1.  
Brady, Edward J., and C. B. Marshall, to Alloy Rods Co. Electrode wire feeding system. 2,912,612, 11-10-59, Cl. 314-72.  
Brady, Francis E., Jr. Float ball check valve. 2,916,042, 12-8-59, Cl. 137-202.  
Brady, George W., and S. S. Flaschen, to Bell Telephone Laboratories, Inc. Surface treatment of ferroelectric materials. 2,916,681, 12-8-59, Cl. 317-262.  
Brady, John B. Method for translating and silently reproducing languages. 2,911,462, 11-3-59, Cl. 178-5.6.  
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Brady, Joseph L., to Clark Equipment Co. Clamp mechanism. 2,904,202, 9-15-59, Cl. 214-653.  
Brady, Lynn J.: See—  
Sommer, Alfred, and Brady. 2,874,067.  
Brady, Paul L., and L. E. Baldwin, to General Dynamics Corp. Valved coupling. 2,902,296, 9-1-59, Cl. 284-17.  
Brady, Sherwood J., to Cutter Laboratories, Inc. Coupling between rigid and non-rigid tubular members with collapsible bushing for holding the members assembled. 2,874,981, 2-24-59, Cl. 285-238.  
Brady, W. H., Co.: See—  
Simmons, Vaughan P. 2,906,397.  
Brady, William A., Jr., to General Motors Corp. Nut loading and welding machine. 2,905,803, 9-22-59, Cl. 219-79.  
Brady, William H., Jr.: See—  
Tobey, Frederic S. 2,877,846.  
Braendle, Harold A., and G. L. Heller, to Columbian Carbon Co. Beaded carbon black. 2,908,586, 10-13-59, Cl. 106-307.  
Braftoff, Paul L., and J. Well, to Commissariat A L'Energie Atomique. System for measuring nuclear power. 2,911,343, 11-3-59, Cl. 204-193.2.  
Braz, Felix J., to Bell Telephone Laboratories, Inc. Equivalent four-wire repeaters. 2,886,654, 5-12-59, Cl. 179-170.  
Bragdon, Robert W., to Metal Hydrides Inc. Method for purifying sodium borohydride. 2,883,263, 4-21-59, Cl. 23-14.  
Bragdon, Robert W., to Metal Hydrides Inc. Method for preparing sodium borohydride. 2,901,333, 8-25-59, Cl. 23-296.  
Brager, Lef N., to American Can Co. Feeding mechanism for fragile articles. 2,910,211, 10-27-59, Cl. 221-236.  
Bragg, William E. Mounting means for dish-type receptacles. 2,867,397, 1-6-59, Cl. 248-27.  
Brahm, Charles B., to United Aircraft Corp. Synchrophaser resetting mechanism for variable pitch aircraft propellers. 2,877,854, 3-17-59, Cl. 170-135.29.  
Brahm, Charles B., to United Aircraft Corp. Computing device for fuel control. 2,911,790, 11-10-59, Cl. 60-39.28.  
Brahmstedt, William T. Collision proof automobile body. 2,903,295, 9-8-59, Cl. 296-1.  
Brails, Johan W., and S. Duinker, to North American Phillips Co., Inc. Controllable inductor. 2,912,640, 11-10-59, Cl. 323-89.  
Braid, Kenneth G.: See—  
Johnson, Roy W., Duncan, Braid, and Healy. 2,902,578.  
Braid, Milton: See—  
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Hauptschein, Murray, Braid, and Lawlor. 2,914,566.  
Lawlor, Francis E., Braid, and Loev. 2,868,846.  
Braid, Murray D., to Thompson Products, Inc. Chainless conveyor. 2,877,886, 3-17-59, Cl. 198-108.  
Brainard, Edwin W. Winding device for fishing reels. 2,899,148, 8-11-59, Cl. 242-129.8.



- Brainard, Frank S., Sr. Rate recorder for integrating meters. 2,869,963, 1-20-59, Cl. 340-14.
- Brainard, Owen: See—
- Brainard, Wilson D. 2,914,324.
- Brainard, Wilson D., 50% to O. Brainard. Magnetic sheet feeder. 2,914,324, 11-24-59, Cl. 271-84.
- Brainard, William H., to United-Greenfield Corp. Controlled centering chuck. 2,905,476, 9-22-59, Cl. 279-116.
- Braithwaite, David G., to National Aluminate Corp. Purification of synthetic alumina catalyst bases. 2,905,534, 9-22-59, Cl. 23-143.
- Braithwaite, Isaac, & Son Engineers Ltd.: See—
- Walker, Thomas B., and English. 2,897,652.
- Brake, Alphons A. Fish spear. 2,876,577, 3-10-59, Cl. 43-6.
- Bramante, Nunzio. Holder for milk container. 2,867,364, 1-6-59, Cl. 224-45.
- Brame, Eugene, to Power Jets (Research and Development) Ltd. Jet spoiler for gas turbine jet propulsion plant. Re. 24,703, 9-22-59, Cl. 60-35.55.
- Brame, Sam S. Ventilating screen door louver. 2,875,826, 3-3-59, Cl. 160-104.
- Bramhall, George H., to General Electric Co. Coupling. 2,870,863, 1-27-59, Cl. 183-43.
- Bramhall, George H., to General Electric Co. Ring tool. 2,881,466, 4-14-59, Cl. 15-375.
- Bramhall, John M.: See—
- Webster, John S., and Bramhall. 2,915,858.
- Bramhill, Percy W. Dispensing cartons for cigarette packages. 2,875,938, 3-3-59, Cl. 229-17.
- Bramhill, Percy W. Imperforate wrappings for cigarettes. 2,911,979, 11-10-59, Cl. 131-4.
- Brami, Joseph. Sound reproducing system. 2,907,837, 10-6-59, Cl. 179-115.5.
- Bramming, Carl, to Aladdin Industries, Inc. Electric lamp and switch means therefor. 2,878,373, 3-17-59, Cl. 240-81.
- Bramming, Carl, to Aladdin Industries, Inc. Vacuum bottles with suspended fillers. 2,880,899, 4-7-59, Cl. 215-13.
- Bran & Lubbe: See—
- Hetteche, Otto, and Schultze. 2,895,329.
- Brancato, Leo J., to Heli-Coil Corp. Coil spring locking insert having chordal locking means and biting corner retaining means. 2,874,741, 2-24-59, Cl. 151-14.
- Brancato, Leo J., to Heli-Coil Corp. Nut having radially adjustable coil insert. 2,886,088, 5-12-59, Cl. 151-22.
- Brancato, Leo J., and J. P. Muenzen, to Heli-Coil Corp. Device for aligning tubular articles. 2,889,960, 6-9-59, Cl. 221-166.
- Branch, Maurice C., to International Standard Electric Corp. Pulse transmitting circuit. 2,914,667, 11-24-59, Cl. 250-27.
- Branch, Maurice C., and R. G. Mills, to International Standard Electric Corp. Static electrical code translating apparatus. 2,883,469, 4-21-59, Cl. 179-18.
- Branch, William C.: See—
- Booth, Jack J., and Branch. 2,869,754.
- Branchflower, Lyle E. Evaporator for freezer mechanisms. 2,910,841, 11-3-59, Cl. 62-347.
- Brand, Arthur, III: See—
- Roffman, Eugene, Cinaglia, Wysoczanski, and Brand. 2,885,075.
- Brand, Benson G.: See—
- Smith, Charles L., and Brand. 2,919,180.
- Brand, Denis J., and J. Ewels, to The General Electric Co. Ltd. Manufacture of semi-conductor devices. 2,811,103, 4-7-59, Cl. 148-15.
- Brand, Ellis C. Helicopter construction. 2,879,956, 3-31-59, Cl. 244-17.17.
- Brand, George W.: See—
- Hartmann, Philip, and Brand. 2,905,095.
- Brand, Helmut, to Licentia Patent-Verwaltungs-G. m. b. H. Toggle switch system. 2,870,282, 1-20-59, Cl. 200-67.
- Brand, Hugh R., L. P. Garvey, and J. G. Haviland, to General Motors Corp. Glass run channel. 2,892,657, 6-30-59, Cl. 296-44.5.
- Brand, Joseph J., to R and R Metal Products, Inc. Permanent mold with insert locating means. 2,890,505, 6-16-59, Cl. 22-151.
- Brand, Karl, to Kugelfischer Georg Schafer & Co. Cast cylinder for hydraulic systems. 2,903,309, 9-8-59, Cl. 309-3.
- Brand, Samuel, to International Business Machines Corp. System for magnetic storage of data. 2,910,669, 10-27-59, Cl. 340-174.
- Brand, Walter, and I. Hoffman. Electric hot liquid heat convactor. 2,894,108, 7-7-59, Cl. 219-38.
- Brand, Warren H., and E. F. Holben, to Conoflow Corp. Measuring and controlling servo-motor system. 2,870,387, 1-20-59, Cl. 318-32.
- Brandafi, Gabriel. Drill press spindle. 2,901,258, 8-25-59, Cl. 279-97.
- Brandau, Frederick L.: See—
- Matter, Theodore S., Bates, and Brandau. 2,888,363.
- McMaster, James E., Nash, Decker, and Brandau. 2,878,547.
- Branden, Leif: See—
- Myrgren, Bengt V., and Branden. 2,913,715.
- Brandes, Hermann, and K. Andresen, to Hackethal Draht- und Kabel Werke A.G. Coaxial cables. 2,890,263, 6-9-59, Cl. 174-29.
- Brandes, Roy H., and F. E. Conn, to General Motors Corp. Propeller control system. 2,918,129, 12-22-59, Cl. 170-160.21.
- Brandl, Otto H.: Additional air supply for radiators. 2,873,097, 2-10-59, Cl. 257-137.
- Brandl, Otto H. Radiators. 2,918,262, 12-22-59, Cl. 257-137.
- Brandl, Wilhelm. Appliance for preparing hot beverages. 2,869,451, 1-20-59, Cl. 99-302.
- Brandl, Willy. Appliance for roasting coffee beans. 2,874,483, 2-24-59, Cl. 34-46.
- Brandner, John D.: See—
- Baer, Byron N., Brandner, and Le Maistre. 2,875,078.
- Baer, Byron N., Brandner, and Le Maistre. 2,876,124.
- Brandner, John D., and R. H. Hunter, to Atlas Powder Co. Polyvinyl acetate adhesive compositions containing a polyethylene glycol monoether of a monohydric phenol. 2,889,297, 6-2-59, Cl. 260-29.6.
- Brandon, Chester, to Librascope, Inc. Derotation prism. 2,896,498, 7-28-59, Cl. 88-1.
- Brandon, David B.: See—
- Davis, Horace R., and Brandon. 2,880,255.
- Brandon, Evelyn D.: See—
- De Selms, Jesse E. 2,900,811.
- Brandon, Percy S.: See—
- Wright, Peter M., and Brandon. 2,897,412.
- Brandon, Percy S., and P. M. Wright, to Marconi's Wireless Telegraph Co. Ltd. Phase shift devices. 2,888,651, 5-26-59, Cl. 333-31.
- Brandon, Percy S., and P. M. Wright, to Marconi's Wireless Telegraph Co. Ltd. Moving target radar system. 2,913,717, 11-17-59, Cl. 343-7.7.
- Brandon, Thomas O., to A. G. Spalding & Bros., Inc. Golf ball. 2,882,058, 4-14-59, Cl. 273-230.
- Brandstrom, Arne E., to Aktiebolaget Pharmacia. Manufacture of barbituric compounds. 2,868,790, 1-13-59, Cl. 260-257.
- Brandstrom, Arne E., to Aktiebolaget Pharmacia. 5-neopentyl 5-allyl barbituric acid and salts thereof. 2,899,435, 8-11-59, Cl. 260-257.
- Brandt, Armand, to Akt. Brown, Boveri & Cie. Heavy current contact converter systems. 2,869,005, 1-13-59, Cl. 307-147.
- Brandt, Armand, to Aktiegesellschaft Brown, Boveri & Cie. Arc-back prevention circuit. 2,873,419, 2-10-59, Cl. 321-48.
- Brandt, Armand, to Aktiegesellschaft Brown, Boveri & Cie. Arrangement for preventing backfire in electrical rectifiers. 2,903,637, 9-8-59, Cl. 321-12.
- Brandt Automatic Cashier Co.: See—
- Blanchette, Albert G., and Ristvedt. 2,906,276.
- Buchholz, Arnold R. 2,888,124.
- Buchholz, Arnold R., and Haban. 2,893,406.
- Brandt, Carl E., and D. K. Warsaw. Cutting machine. 2,878,868, 3-24-59, Cl. 164-35.
- Brandt, Carl T., to Phillips Petroleum Co. Underground storage of liquids. 2,879,646, 3-31-59, Cl. 61-5.
- Brandt, Carl T., to Phillips Petroleum Co. Underground storage system. 2,893,211, 7-7-59, Cl. 61-5.
- Brandt, Edgar W., to Anstalt für die Entwicklung von Erfindungen und Gewerblichen Anwendungen Energa. Hollow charge projectile. 2,910,000, 10-27-59, Cl. 102-56.
- Brandt, Fred H., to Prestressing, Inc. Post-tensioned anchor device. 2,867,884, 1-13-59, Cl. 25-1.
- Brandt, Harry, to California Research Corp. Seismic cable lifting apparatus. 2,871,665, 2-3-59, Cl. 61-72.
- Brandt, Harry, to California Research Corp. Raising and lowering apparatus. 2,900,795, 8-25-59, Cl. 61-72.
- Brandt, Heinrich: See—
- Arnold, Carl, and Brandt. 2,890,468.
- Brandt, Kurt. Device for the adjustment of decorative stitch stencil in automatic zig-zag sewing machines. 2,900,837, 8-25-59, Cl. 74-568.
- Brandt, Paul H. Air dryer construction and method of operation. 2,867,988, 1-13-59, Cl. 62-93.
- Brandt, Raymond W., to International Telephone and Telegraph Corp. Clipper circuit. 2,896,077, 7-21-59, Cl. 250-27.
- Brandt, Rezon N.: See—
- Squire, Herbert D., and Brandt. 2,868,578.
- Brandt, Vernon J. Releaseable lift attachment for tractors. 2,883,080, 4-21-59, Cl. 214-674.
- Brandt, Vernon J. Retractable support for operating controls. 2,883,081, 4-21-59, Cl. 214-674.
- Brandt, Walter: See—
- Carlstedt, Ragnar L., and Brandt. 2,876,662.
- Brangitis, Anthony V. Emergency eye wash. 2,910,064, 10-27-59, Cl. 128-249.
- Branham Martin. Block manufacturing machine. 2,870,512, 1-27-59, Cl. 25-1.
- Branich Mfg. Co., Inc.: See—
- Kaenan, Joseph P. 2,919,105.
- Branick, Charles E. Curling and testing rim for pneumatic tire casings. 2,871,518, 2-3-59, Cl. 18-45.
- Branick, Charles E. Device for inspecting pneumatic tires. 2,895,711, 7-21-59, Cl. 254-50.3.
- Branick, Charles E. Device for detecting ply separation in pneumatic tire casings. 2,909,060, 10-20-59, Cl. 73-146.
- Branker, Hoffman E., to Republic Aviation Corp. Pulse generator. 2,895,080, 7-14-59, Cl. 315-205.
- Brannan, Jack C., to General Electric Co. Motor control system. 2,875,391, 2-24-59, Cl. 318-293.
- Brannan, Jack C., to General Electric Co. Servo control system. 2,907,936, 10-6-59, Cl. 318-28.

- Brannock, Kent C., to Eastman Kodak Co. Cyclic diol diester lubricants. 2,912,447, 11-10-59, Cl. 260-410.
- Brannock, Kent C., to Eastman Kodak Co. Bis-2-methyl-2-norcamphanemethanol alkane-dioates as synthetic ester lubricants. 2,912,458, 11-10-59, Cl. 260-455.
- Brannock, Mack C., to Fieldcrest Mills, Inc. Needle motion for looms. 2,890,725, 6-16-59, Cl. 139-123.
- Brannon, Hezlie R., Jr., and J. A. Rickard, to Jersey Production Research Co. Gamma ray scintillometer. 2,911,534, 11-3-59, Cl. 250-71.
- Branscomb, Charles E., to International Business Machines Corp. Clutch mechanism. 2,915,161, 12-1-59, Cl. 192-149.
- Branson, Charles D.: See—
- Weber, Victor, Branson, and Genbauffe. 2,909,324.
- Branson, Charles D., to Robertshaw-Fulton Controls Co. Thermostatically controlled mixing valves. 2,901,174, 8-25-59, Cl. 236-12.
- Branson, Charles D., to Robertshaw-Fulton Controls Co. Thermostatic devices. 2,917,925, 12-22-59, Cl. 73-368.3.
- Branson, David E.: See—
- Bacon, Walter M., Branson, Kandel, and Locke. 2,871,286.
- Branson Instruments, Inc.: See—
- Branson, Norman G. 2,891,176.
- Harris, Robert V. 2,875,354.
- Branson, Lester L.: See—
- Branson, Raymond J. 2,911,994.
- Branson, Norman G., to Branson Instruments, Inc. Compression wave generating apparatus. 2,891,176, 6-16-59, Cl. 310-S.1.
- Branson, Raymond J., deceased (by S. E. Branson, administratrix), to S. E. Branson, individually, to R. K. Branson, and to L. L. Branson. Automatic dump valve. 2,911,994, 11-10-59, Cl. 137-270.
- Branson, Raymond K.: See—
- Branson, Raymond J. 2,911,994.
- Branson, Sadie E.: See—
- Branson, Raymond J. 2,911,994.
- Branson, Stanley C. Anti-skid ice tire chain. 2,911,027, 11-3-59, Cl. 152-239.
- Branstrom, George E. Heating devices. 2,908,795, 10-13-59, Cl. 219-34.
- Brant, Arthur A.: See—
- Ruddock, Kenneth A., and Brant. 2,887,650.
- Brant, Arthur A., and A. W. Love, to Newmont Mining Corp. Electromagnetic method of geophysical exploration. 2,874,348, 2-17-59, Cl. 324-6.
- Brant, Archie G., to J. F. Babb, to E. G. Babb, Jr., and to R. E. Clayton. Gravity actuated whirling ring toy. 2,877,597, 3-17-59, Cl. 46-47.
- Brant, Robert J. Apparatus for cleaning and repairing pipe lines. 2,908,248, 10-13-59, Cl. 118-408.
- Brantley, John C., to Union Carbide Corp. Organo-chromium compounds. 2,870,183, 1-20-59, Cl. 260-438.
- Brantley, John C., and E. L. Morehouse, to Union Carbide Corp. Organo-vanadium halides and process of preparation. 2,882,288, 4-14-59, Cl. 260-429.
- Bras, Johannes, to N.V. Fabriek Van Chemische Producten. New fungicides and process for their preparation. 2,883,318, 4-21-59, Cl. 167-22.
- Brasch, Edgar W., Jr., to Phillips Petroleum Co. Recycle apparatus for carbon black pellet mills. 2,876,490, 3-10-59, Cl. 18-1.
- Brasco Mfg. Co.: See—
- Shrode, Wilford E. 2,882,561.
- Brase, George. Wrench for removing headless threaded pipe nipples. 2,906,152, 9-29-59, Cl. 81-53.
- Brashner, Turner G., Jr., to The American Brake Shoe Co. Welding apparatus. 2,868,955, 1-13-59, Cl. 219-130.
- Brasher, James H. Attachment for flush tanks. 2,879,521, 3-31-59, Cl. 4-56.
- Braski, Raymond J.: See—
- Malz, Nicholas, and Braski. 2,897,862.
- Braski, Raymond J., to Dornmeyer Corp. Food mixer timer. 2,895,547, 7-21-59, Cl. 161-1.
- Brassel, Jakob, and A. Buehler, to Ciba Ltd. Metalliferous azo dyestuffs. 2,906,746, 9-29-59, Cl. 260-145.
- Brasser, Carl J.: See—
- Tuttle, Clifton M., Brown, and Brasser. 2,880,325.
- Brasseur, Eudore, to Societe Anonyme Ateliers de Constructions Electriques de Charleroi. Sound recording and reproducing devices. 2,901,550, 8-25-59, Cl. 179-100.2.
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- Brassfield, Henry C., and C. T. Durham, Jr., to United States of America. Atomic Energy Commission. Method of fabricating small spherical pellets. 2,872,719, 2-10-59, Cl. 25-156.
- Brassington, Samuel M., and V. N. Smith, to Shell Development Co. Synchronous chopper for radiant energy. 2,875,342, 2-24-59, Cl. 250-233.
- Brasty, Joseph. Spring for windshield wiper arms. 2,865,710, 5-12-59, Cl. 15-255.
- Brater, Donald C.: See—
- Smiley, Seymour H., Brater, and Nimmo. 2,907,629.
- Bratt, Harry T.: See—
- Stoddard, Robert J., Brown, and Bratt. 2,902,177.
- Bratt, Lars C.: See—
- Arnold, Chester L., and Bratt. 2,917,462.
- Brattain, Walter H., and C. G. B. Garrett, to Bell Telephone Laboratories, Inc. Semiconductor devices. 2,870,344, 1-20-59, Cl. 307-88.5.
- Bratton, Alfred I., to Oxy-Catalyst, Inc. Room air heater and purifier. 2,873,071, 2-10-59, Cl. 237-2.
- Bratrud, Robert L. Seat construction. 2,878,860, 3-24-59, Cl. 155-178.
- Brauz, Otto J., to American Chain & Cable Co., Inc. Conduit and fitting assemblies. 2,869,905, 1-20-59, Cl. 287-78.
- Bratzler, Carl: See—
- Herbert, Wilhelm Bratzler, Dorschner, Eisenlohr, and Gross. 2,901,423.
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- Brauer, Gerald: See—
- Ayres, Jay J., Cohen, and Brauer. 2,914,739.
- Brauer, Walter. Apparatus for forming stressed panels and having guide bars for initially bending undulations in sheet material before forming a channel from each undulation. 2,907,369, 10-6-59, Cl. 153-77.
- Brauer, Walter J.: See—
- Merchant, Charles J. 2,897,712.
- Brauer, William F., to Western Electric Co., Inc. Device for applying retaining members onto articles. 2,876,531, 3-10-59, Cl. 29-229.
- Braukly, Damazas. Earth working machine. 2,869,257, 1-20-59, Cl. 37-145.
- Braut, Andre R., and R. Lindberg, to OPTOmechanisms, Inc. Simulated radioactive radiation meter. 2,900,740, 8-25-59, Cl. 35-1.
- Braut, Robert G.: See—
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- Braumann, Gundokar, to Siemens & Halske Akt. Electro-magnetic relays. 2,888,532, 5-26-59, Cl. 200-87.
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- Braun, Frederick W. and A. 2,890,778.
- Braun, Frederick W. and A. 2,903,721.
- Braun, Frederick W. and A. 2,904,173.
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- Braun, Anton: See—
- Colborne, William G., and Braun. 2,914,955.
- Braun, Arthur, and B. Futterer, to M. Braun. Shearing head for dry shaver employing flexible shear plate and reciprocating cutter. 2,908,970, 10-20-59, Cl. 30-41.
- Braun, C. F., & Co.: See—
- Pickford, Allan E. 2,900,173.
- Braun, Clarence J.: See—
- Passafaro, Anthony L., Braun, and Powers. 2,876,598.
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- Hacker, Kurt, and Braun. 2,873,601.
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- Braun, Emil, to Carl Freudenberg, Kommanditgesellschaft auf Aktien. Apparatus for the manufacture of thin artificial edible sausage casings. 2,896,254, 7-28-59, Cl. 18-14.
- Braun, Francois. Leg-rest for a seat. 2,918,964, 12-29-59, Cl. 155-171.
- Braun, Fred H., and R. O. Brownson, to Steri-Washer Corp. Washer and sterilizer. 2,889,837, 6-9-59, Cl. 134-140.
- Braun, Frederick W. and A. Safety mechanism for automatic machines. 2,890,775, 6-16-59, Cl. 192-125.
- Braun, Frederick W. and A. Apparatus having spring urged die forging members for making extruded hollow articles of external polygonal form. 2,903,721, 9-15-59, Cl. 10-76.
- Braun, Frederick W. and A. Plunger and die for indirect extrusion. 2,904,173, 9-15-59, Cl. 207-6.
- Braun, Georg, to Kohlenfeldungs-Gesellschaft m.b.H. Process for operating a tubular heat exchanger fired with pulverized coal. 2,899,942, 8-18-59, Cl. 122-479.
- Braun-Goll Co.: See—
- Goll, Ernest R. 2,886,203.
- Braun, Heinrich: See—
- Elöd, Egon, Dörr, Braun, Ellan, and Lepingle. 2,918,455.
- Braun, Herman J.: See—
- Barrows, Robert C., and Braun. 2,897,383.
- Braun, J. P.: See—
- Evans, Richard H. 2,867,939.
- Braun, Louis G. Fishing rod holder and bite signal. 2,909,860, 10-27-59, Cl. 43-17.
- Braun, Max: See—
- Braun, Artur, and Futterer. 2,908,970.
- Scholz, Karl. 2,919,207.
- Braun, Oskar, R. Dobner, and K. Winz, to G. M. Pfaff, A.G. Electrical control system for sewing and the like machines. 2,910,028, 10-27-59, Cl. 112-219.
- Braun, Otto P. Hot water storage tank. 2,893,589, 7-7-59, Cl. 220-5.
- Braun, Ottwin L., to Reliance Steel Products Co. Furnace door frame construction. 2,915,026, 12-1-59, Cl. 110-172.
- Braun, Paul E., to Ford Motor Co. Fuel injection system. 2,872,912, 2-10-59, Cl. 123-139.
- Braun, Philip N.: See—
- Filsinger, Jamieson A., and Braun. 2,895,388.
- Filsinger, Jamieson A., and Braun. 2,914,208.
- Braun, Philip N. Machine for stapling identifying tags to garments. 2,877,695, 3-17-59, Cl. 93-88.
- Braun, Philip N. Laundry marking machine. 2,887,314, 5-19-59, Cl. 271-2.5.



- Braun, Ralph A., to The W. B. W. Tool Co. Apparatus for forming tubular sleeves. 2,889,866, 6-9-59, Cl. 153-49.
- Braun, Ralph K., to Cleveland Electrical Equipment Co., Inc. Armature winding head for armature winding machines. 2,883,119, 4-21-59, Cl. 242-13.
- Braun, Robert A.: See—
- Mosher, William A., and Braun. 2,883,423.
- Braun, Robert K.: See—
- Wise, Harry L., and Braun. 2,890,708.
- Braun, W., Co.: See—
- Lerner, Nathan B. 2,905,351.
- Braun, Walter W., to National Lead Co. Process for inactivating urushiol on skin with cerium compounds. 2,885,323, 5-5-59, Cl. 167-58.
- Braun, William. Display for jewelry. 2,919,023, 12-29-59, Cl. 206-75.
- Braun, William H., Jr., to Western Sealant Development Corp. Wood impregnating and coloring process. 2,867,543, 1-6-59, Cl. 117-16.
- Braun, Willy, O. Trauth, and E. Von Gross, to Badische Anilin- & Soda-Fabrik Akt. Dyeing synthetic fibres with thioxanthones. 2,884,300, 4-28-59, Cl. 8-55.
- Braun, Willy, and W. Ruppel, to Badische Anilin- & Soda-Fabrik Akt. New vat dyestuffs of the anthraquinone series. 2,905,691, 9-22-59, Cl. 260-307.5.
- Braund, John J. Combined geographical globe and antenna structure. 2,872,678, 2-3-59, Cl. 343-720.
- Braund, John J. Loudspeaker apparatus. 2,915,134, 12-1-59, Cl. 181-31.
- Braund, Robert W.: See—
- Kerecman, Michael, and Braund. 2,909,272.
- Braunack, Charles F., to Murray Mfg. Corp. Electromagnetic switch. 2,897,316, 7-28-59, Cl. 300-104.
- Braunack, Charles F., to Murray Mfg. Corp. Interlock contact mechanism. 2,918,554, 12-22-59, Cl. 200-166.
- Braunack, Charles F., to Murray Mfg. Corp. Magnetic overload relay. 2,919,325, 12-29-59, Cl. 200-95.
- Braunlich, Richard H., to American Viscose Corp. Method of forming crimped artificial filaments. 2,894,802, 7-14-59, Cl. 18-54.
- Braunschweigische Maschinenbauanstalt: See—
- Busecrus, Hans K. 2,890,647.
- Braunstein, Jules A. Automatic addressing-machine. 2,898,850, 8-11-59, Cl. 101-134.5.
- Braunstein, Melvin A. Self contained breathing apparatus. 2,906,262, 9-29-59, Cl. 128-142.
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- Braunwarth, John B., and G. W. Crosby, to The Pure Oil Co. Acids and ketones prepared from peroxides and polyhalomethanes. 2,905,712, 9-22-59, Cl. 260-539.
- Brauss, Gustav J., to APAG, Apparatebau A.G. Reciprocating dry shaver having stationary first cutting head means and extensible second cutting head means. 2,917,824, 12-22-59, Cl. 30-34.
- Brautigam, Richard H., to Owens-Corning Fiberglas Corp. Apparatus for coating continuously produced filaments. 2,873,718, 2-17-59, Cl. 118-234.
- Brav, Milton, to Sue Ann Food Products Corp. Novelty package. 2,895,534, 7-21-59, Cl. 99-171.
- Bravenboer, Pieter, to North American Phillips Co., Inc. Thermostatic mounting structure for electron discharge device. 2,910,601, 10-27-59, Cl. 313-10.
- Braverman, Bernard: See—
- Wilson, Fred M., Sr. 2,893,374.
- Braverman, Edwin: See—
- Matton, Ernest E. 2,915,055.
- Bravos, George T., and J. W. Evans, to American Malze-Products Co. Oil well drilling mud. 2,900,335, 8-18-59, Cl. 252-8.5.
- Brawand, Franklin M. Draft hook. 2,889,167, 6-2-59, Cl. 294-82.
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- Bray, Calvin S., to Davol Rubber Co. Pacifier. 2,888,929, 6-2-59, Cl. 128-360.
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- Bray, Frederick H., and R. G. Knight, to International Standard Electric Corp. Automatic telecommunication exchanges. 2,872,527, 2-3-59, Cl. 179-22.
- Bray, Frederick H., P. M. King, and J. Rice, to International Standard Electric Corp. Timing equipment. 2,899,500, 8-11-59, Cl. 179-7.
- Bray, Frederick H., and R. G. Knight, to International Standard Electric Corp. Electrical counting circuits. 2,906,888, 9-29-59, Cl. 307-88.5.
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- Bray, Frederick H., and R. G. Knight, to International Standard Electric Corp. Electric signal repeaters. 2,914,613, 11-24-59, Cl. 179-16.
- Bray, Gaddes A., to Grinnell Corp. Pendent sprinkler. 2,871,953, 2-3-59, Cl. 169-37.
- Bray, Horace A., and E. W. Peppitt, to Dunlop Rubber Co. Ltd. Friction material. 2,898,216, 8-4-59, Cl. 106-36.
- Bray, Murel B. Shoe boot shine aid. 2,888,705, 6-2-59, Cl. 15-267.
- Bray, Ralph, to Philco Corp. Signal seeking receiver. 2,880,311, 3-31-59, Cl. 250-20.
- Bray, Vernon H., Jr., to National Food Equipment Co., Inc. Pneumatic conveying system. 2,893,768, 7-21-59, Cl. 302-17.
- Brayack, Mark. Spot facing tool. 2,899,867, 8-18-59, Cl. 90-11.
- Brayman, Vernis A.: See—
- Collins, Tappan, Seim, and Brayman. 2,907,036.
- Brayshaw, Stanier E., to Syntro Co. Double current collector for dry disc rectifiers. 2,904,731, 9-15-59, Cl. 317-234.
- Brazik, Lewis R. Fasteners. 2,908,956, 10-20-59, Cl. 24-73.
- Brazil Associates: See—
- Watrous, Gilbert A. 2,868,189.
- Brazitis, William, and H. W. Keevil. Method and means for magnetizing rails in rail flaw detection systems. 2,882,489, 4-14-59, Cl. 324-37.
- Breadner, Robert L., and C. H. Simms, to The General Electric Co. Ltd. Method of and apparatus for manufacture of the glass envelope for a cathode ray tube. 2,886,920, 5-19-59, Cl. 49-7.
- Brearley Co., The: See—
- Provi, Mike A. 2,892,010.
- Provi, Mike A., and Mattson. 2,875,999.
- Brean, Wilfred. Speed changer for pulley drives. 2,888,830, 6-2-59, Cl. 74-242.15.
- Breazeale, John B., to Bill Jack Scientific Instrument Co. Integrating device. 2,907,990, 10-6-59, Cl. 340-178.
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- Brechel, Frederick O. Concrete form construction. 2,887,736, 5-26-59, Cl. 25-118.
- Brechenmacher, Karlmann. Device for spraying and drying of paints, varnish or the like. 2,868,166, 1-13-59, Cl. 118-643.
- Brechlin, Adrian G. Boundary marker exposure tool. 2,896,729, 7-28-59, Cl. 172-19.
- Brecht, Karl: See—
- Boucke, Heinz, and Brecht. 2,875,750.
- Breckheimer, Raymond J., to Air Filter Corp. Frame construction for filter units. 2,869,694, 1-20-59, Cl. 189-36.
- Brecknell Dohman & Rogers Ltd.: See—
- Dolman, Henry J., Hamilton, and Ball. 2,890,554.
- Bred-Ade Corp.: See—
- Glabe, Elmer F. 2,875,064.
- Bredall, Charles H. Antenna-detector coupling unit. 2,872,569, 2-3-59, Cl. 250-20.
- Bredelhoff, Harold A., to Bell Telephone Laboratories, Inc. Sound output control for telephone ringers. 2,892,187, 6-23-59, Cl. 340-397.
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- Bredtschneider, Kurt B., and E. J. Hemzacek, to Crane Co. Valve seat construction. 2,887,295, 5-19-59, Cl. 251-359.
- Bredtschneider, Kurt B., F. M. Onak, and M. H. Stuart, to Crane Co. Connector for the consumable electrode of an arc melting furnace. 2,899,667, 8-11-59, Cl. 339-9.
- Bredz, Nikolajs, to Lithium Corp. of America, Inc. Brazing alloys. 2,903,352, 9-8-59, Cl. 75-172.
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- Breback, Rudolph H., to Crown Cork & Seal Co., Inc. Filling head and method of making same. 2,884,686, 5-5-59, Cl. 29-157.1.
- Breback, Rudolph H., to Crown Cork & Seal Co. Filling head. 2,887,133, 5-19-59, Cl. 141-44.
- Breback, Rudolph H., to Crown Cork & Seal Co., Inc. Filling system. 2,888,944, 6-2-59, Cl. 137-209.
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- Breeden, Pearl L., to G. W. Jaynes. Water chlorinating apparatus. 2,912,038, 11-17-59, Cl. 103-153.
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- Breen, Alvin L., to E. I. du Pont de Nemours and Co. Bulky yarn. 2,869,967, 1-20-59, Cl. 57-140.
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- Breese, Lemuel R., to North Electric Company. Supervisory control system. 2,901,728, 8-25-59, Cl. 340-163.
- Breeze Corporations, Inc.: See—
- Laky, Elmer, and Walsh. 2,908,853.
- November, Milton H. 2,876,801.
- Bregenz, Kurt, to P. Kopp. Hydraulic feed control for profiling machines and the like. 2,897,651, 8-4-59, Cl. 60-97.
- Bregl, Benjamin F., to National Broach & Machine Co. Apparatus for rolling gears. 2,886,990, 5-19-59, Cl. 80-16.
- Bregl, Benjamin F., and F. J. Pohlmeier, to National Broach & Machine Co. Apparatus for cutting gear tooth surfaces. 2,882,798, 4-21-59, Cl. 90-1.6.
- Bregman, Jacob I., to National Aluminate Corp. Water insoluble phosphonic acid polymerizates of polyvinylaryl compounds. 2,911,378, 11-3-59, Cl. 260-2.2.
- Breguet, Antoine J. E. L.: See—
- Breguet, Louis. 2,899,149.
- Breguet, Louis. 2,913,798.
- Breguet, Claire J.: See—
- Breguet, Louis. 2,899,149.
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- Breguet, Gilberte M. L.: See—
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- Breguet, Louis, deceased: C. J., A. J. E. L., J. Y., G. M. L., P. E. L., P. G. R. L., P. A. L., and L. C. A. M. Breguet, under legal guardianship of C. J. Breguet, sole heirs. Aircraft having ducted turbine driven lift rotors. 2,899,149, 8-11-59, Cl. 244-12.
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- Breguet, Louis-Christiane A. M.: See—
- Breguet, Louis. 2,899,149.
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- Breguet, Pascal A. L.: See—
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- Breguet, Paul G. R. L.: See—
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- Brehm, Allen E.: See—
- Fields, Ellis K., and Brehm. 2,888,405.
- Fields, Ellis K., and Brehm. 2,901,335.
- Tom, Theodore B., and Brehm. 2,914,479.
- Brehm, Allen E., and A. W. Lindert, to Standard Oil Co. Aqueous antirust compositions. 2,880,095, 3-31-59, Cl. 106-14.
- Brehm, Allen E., M. Hamer, and L. D. La Croix, Jr., to Standard Oil Co. Motor fuel. 2,897,069, 7-28-59, Cl. 44-58.
- Brehm, Howard E., Jr., and A. F. Mitchell, to Hupp Corp. Adapter for inside installation of air conditioners of the window mounted type. 2,871,778, 2-3-59, Cl. 98-94.
- Brehm, Warren J.: See—
- Anderson, Arthur W., and Brehm. 2,894,025.
- Brehm, Warren J., K. G. Bremer, H. S. Eleuterio, and R. W. Meschke, to E. I. du Pont de Nemours and Co. Internally unsaturated perfluorolefins and preparation thereof. 2,918,501, 12-22-59, Cl. 260-653.3.
- Breier, Irwin L.: See—
- Cheney, Harry A., and Breier. 2,879,300.
- Breier, Irwin L., to Shell Development Co. Reactor with concentric annular passages. 2,897,063, 7-28-59, Cl. 23-284.
- Breier, Irwin L., and G. M. Coplinger, to Shell Development Co. Stabilization of unsaturated aldehydes. 2,874,100, 2-17-59, Cl. 202-57.
- Breig, Kurt: See—
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- Breiner, Alfred W., to S. C. Johnson & Son, Inc. Modified aryloxy acid urethane. 2,890,198, 6-9-59, Cl. 260-45.4.
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- Ernst, William B., and J. and P. Breilinger. 2,882,857.
- Breilinger, Paul: See—
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- Breisch, Edgar W., to Westinghouse Air Brake Co. Cable clamps. 2,912,199, 11-10-59, Cl. 248-74.
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- Brell, Warren E.: See—
- Hodgson, Cecil L., and Brell. 2,893,270.
- Breitenstein, Charles T., to R. T. Moloney, deceased, American National Bank and Trust Co., executor. Metering pump for liquid gas fuel. 2,881,810, 4-14-59, Cl. 141-353.
- Breitenstein, Charles T., to R. T. Moloney, American National Bank and Trust Co. of Chicago, executor of said Moloney, deceased. Gang switch. 2,896,047, 7-21-59, Cl. 200-104.
- Breithaupt, Donald E. Attachment for a fishing rod reel. 2,869,277, 1-20-59, Cl. 43-26.
- Breitling, Wilhelm, H. Hess, and H. Kamp. Carriage return control apparatus for electrically operated business machines. 2,892,528, 6-30-59, Cl. 197-66.
- Brekke, John E.: See—
- Watters, Glenn G., and Brekke. 2,909,435.
- Brell, Jules J. Excavating apparatus. 2,872,157, 2-3-59, Cl. 255-4.
- Brell, Jules J. Excavating apparatus. 2,906,501, 9-29-59, Cl. 255-2.
- Brell, Jules J. Earth-boring apparatus. 2,906,503, 9-29-59, Cl. 255-20.
- Brelsford, Harlin A.: See—
- Ledy, Harold W., Brelsford, and Schnapf. 2,902,597.
- Brem, Jack W. Continuous servicing plant for automobiles or the like. 2,872,709, 2-10-59, Cl. 20-8.
- Bremer, Allen R., and J. W. Hull, to Boeing Airplane Co. High pressure high temperature metal seals. 2,913,269, 11-17-59, Cl. 288-14.
- Bremer, Frederick J.: See—
- Smith, Charles N., and Bremer. 2,881,612.
- Bremer, Joseph W., Jr., to Swift & Co. Hydrogenation of fat. 2,875,220, 2-24-59, Cl. 260-409.
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- Bremer, Robert D., to General Motors Corp. Sheathed tubular electrical heater seal. 2,888,656, 5-26-59, Cl. 338-261.
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- Bremer, Robert D., and J. R. Simon, to General Motors Corp. Domestic appliance. 2,910,570, 10-27-59, Cl. 219-37.
- Bremerman, Eugene S. Electrolytic stabilization apparatus for water systems. 2,893,938, 7-7-59, Cl. 204-196.
- Bremner, David F., Jr. Feeding mechanism for crackers or the like. 2,876,929, 3-10-59, Cl. 221-207.
- Brendel, Robert R.: See—
- Beller, Jay M., Brendel, and Martin. 2,872,374.
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- Brennan, Francis P. Automatically interlocking joint between a bar and a plate. 2,867,459, 1-6-59, Cl. 287-20.
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- Brennan, Joseph B. 2,912,731.
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- Brennan, Joseph B. Metal-coated batt and method and apparatus for producing same. 2,873,219, 2-10-59, Cl. 117-227.
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- Brennan, Martin J., to J. S. Costello & Son Brush Co. Brush. 2,878,501, 3-24-59, Cl. 15-164.
- Brenneck, William A., to Westinghouse Electric Corp. Valve for sealex. 2,877,811, 3-17-59, Cl. 141-65.
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- Brennen, Ronald F., and J. A. Buccell, to Welding Industry Research & Patent Corp. Transformer with magnetic shunt control. 2,907,945, 10-6-59, Cl. 323-60.
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- Brenner, Karl, and G. Gabriel, to Trumpf & Co. Adjustable mounting for slitting tool structures. 2,896,712, 7-28-59, Cl. 164-58.
- Brenner, Mortimer W., to Brewing Industries Research Institute. Art of stabilizing malt beverage. 2,878,125, 3-17-59, Cl. 99-48.
- Brenner, Mortimer W., and J. L. Owades, to Schwarz Laboratories, Inc. Stable dispersions of colloidal sulfur, processes of preparing same, and sulfur solutions adapted for use in preparing such dispersions. 2,884,352, 4-28-59, Cl. 117-20.
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- Bresce, Dick P., to Phillips Petroleum Co. Method and apparatus for production of aqua ammonia. 2,890,937, 6-16-59, Cl. 23-193.
- Breslaw, Herbert E. Changeable letter sign. 2,891,337, 6-23-59, Cl. 40-125.
- Breslaw, Joseph. Food spread utensil. 2,867,826, 1-13-59, Cl. 15-105.
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- Brewster, Dudley N., to Sylvania Electric Products Inc. Microwave switching device. 2,900,568, 8-18-59, Cl. 315-39.
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- Brinegar, Ira G.: See—
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- Black, Geoffrey D. 2,893,381.
- Blackhurst, George B. 2,916,654.
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- Monroe, Adam G. 2,916,179.
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- Knight, Warren N. X. 2,897,132.
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- Briggs, Peter G. 2,892,185.
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- Parriss, Walter H., and Anderson. 2,909,452.
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- Brock, Frank H., to A. E. Staley Mfg. Co. Liquid shortening and method of making same. 2,868,652, 1-13-59, Cl. 99-118.
- Brock, Herbert W. Method of packaging articles. 2,879,635, 3-31-59, Cl. 53-28.
- Brock, Herbert W. Machine for packaging articles. 2,896,387, 7-28-59, Cl. 53-141.
- Brock, Norbert: See—
- Arnold, Herbert, and Brock. 2,894,983.
- Brock & Rankin, Inc.: See—
- Hildmann, William B. 2,895,148.
- Rankin, Edward C. 2,895,483.
- Rankin, Edward C. 2,907,332.
- Brock, Sol. Can crusher. 2,905,079, 9-22-59, Cl. 100-94.
- Brock, Walter, to Arens Controls, Inc. Rotary locking control. 2,869,391, 1-20-59, Cl. 74-503.
- Brockbank, Lucius T. Automatic valve and switch for fuel burners. 2,870,827, 1-27-59, Cl. 158-42.4.
- Brockelsby, Dale L., to Borg-Warner Corp. Water treating apparatus. 2,869,831, 1-20-59, Cl. 257-2.
- Brockner, Dale C., to Sylvania Electric Products Inc. Microwave test system. 2,887,661, 5-19-59, Cl. 332-9.
- Brocklebank, Norman: See—
- Richardson, Bert, and Brocklebank. 2,908,069.
- Brockman, Arthur C. Semi-trailer structure and tractor and semi-trailer combination. 2,871,027, 1-27-59, Cl. 280-425.
- Brockman, Carl, to United States of America, Navy. Pressure-responsive switches. 2,902,557, 9-1-59, Cl. 200-82.
- Brockman, John A., Jr., and P. F. Fabio, to American Cyanamid Co. Method of preparing omega mercapto alkanolic acids and esters. 2,877,243, 3-10-59, Cl. 260-399.
- Brockman, John A., Jr., and P. F. Fabio, to American Cyanamid Co. 5-formyl-2-oxovaleric acid, its salts and esters and a process of producing the same. 2,891,988, 6-23-59, Cl. 260-483.
- Brockman, John A., Jr., and P. F. Fabio, to American Cyanamid Co. Process for the preparation of beta-oxonitriles. 2,905,679, 9-22-59, Cl. 260-404.
- Brockman, Lyle: See—
- Barker, William M., and Brockman. 2,907,982.
- Brockman, Milton H., and L. Torn, to United States of America, Army. Servo system. 2,911,526, 11-3-59, Cl. 250-27.
- Brockmann, Alfons: See—
- Schafer, Fritz, and Brockmann. 2,873,049.
- Brockway, Arthur L., Jr., to Bendix Aviation Corp. System for reproducing a varying D.C. voltage at a distance. 2,883,650, 4-21-59, Cl. 340-206.
- Brockway Glass Co., Inc.: See—
- Miles, George G., and McMackin. 2,902,151.
- Poole, James P., 2,915,638.
- Brockway, Ellsworth M., and D. R. Herriott, to Bausch & Lomb Optical Co. Alignment interferometer. 2,880,644, 4-7-59, Cl. 88-14.
- Brockway, Wilhelm W. Classroom cabinet with swinging paper tray. 2,903,318, 9-8-59, Cl. 312-304.
- Brod, Martin M.: See—
- Levine, Bernard, Harris, and Brod. 2,872,723.
- Brodbeck, Almer H., to Dixie Products, Inc. Cooking range. 2,880,716, 4-7-59, Cl. 126-41.
- Brodbeck, Almer H., to Harper-Wyman Co. Gas valve stem construction. 2,912,837, 11-17-59, Cl. 64-7.
- Brodén, Gustaf W. Tool bit micrometer. 2,912,765, 11-17-59, Cl. 33-185.
- Broder, Alan, and E. A. Sammis, to Sperry Rand Corp. Engine analyzer system. 2,867,766, 1-6-59, Cl. 324-16.
- Broderick, Edward: See—
- Niederhauser, Warren D., and Broderick. 2,870,207.
- Broderick, Edward, to Rohm & Haas Co. Preparation of 3-methyl 1,3 propane sultone. 2,900,393, 8-18-59, Cl. 260-327.
- Broderick, Frank W., and J. S. Morgan, to Eastern Engraving and Machine Co., Inc. Embossing rolls and product thereof. 2,887,042, 5-19-59, Cl. 101-28.
- Broders, Claude O., W. W. Jacobus, and A. B. Swenson, to United States of America, Navy. Igniter control. 2,899,798, 8-18-59, Cl. 60-35.6.
- Brodersen, Karl E. Precast concrete ventilating louver fence. 2,877,989, 3-17-59, Cl. 256-19.
- Broderston, Nell O., to Speed Feed Machine Corp. Button feeding attachment for sewing machines. 2,918,885, 12-29-59, Cl. 112-113.
- Brodeur, Edouard A., to United States Rubber Co. Work glove. 2,873,450, 2-17-59, Cl. 2-167.
- Brodeur, Edouard A., Jr.: See—
- Drew, Howard E., Warden, and Brodeur. 2,867,849.
- Brodeur, Rene H.: See—
- Seel, Max, and Brodeur. 2,914,003.
- Brodie, George R., to Fred'k H. Levey Co., Inc. Rotary printing press frame and swing means. 2,877,706, 3-17-59, Cl. 101-178.
- Brodie, George R., to Fred'k H. Levey Co., Inc. Angle bar web tension control means. 2,884,856, 5-5-59, Cl. 101-179.
- Brodie, George R., to Fred'k H. Levey Co., Inc. Method of and apparatus for printing. 2,908,221, 10-13-59, Cl. 101-350.
- Brodie, George R., to Fred'k H. Levey Co., Inc. Web associator and folder. 2,908,494, 10-13-59, Cl. 270-41.
- Broding, Robert A., to Socony Mobil Oil Co., Inc. Measurement of seismic travel time. 2,905,258, 9-22-59, Cl. 181-5.
- Brodney, Robert S.: See—
- Bartlett, Jeffrey H., Brodney, and Bowman. 2,875,244.
- Brodney, Robert S., W. E. Catterall, W. F. Fischer, and E. Arundale, to Esso Research and Engineering Co. Plasticizer alcohols by oxo process. 2,876,264, 3-3-59, Cl. 260-638.
- Brodrick, William A. Mountable animal toy. 2,896,948, 7-28-59, Cl. 272-53.1.
- Brodrick, James A. Means for separating grease from cooked foods. 2,902,921, 9-8-59, Cl. 99-352.

- Brodsky, Elaine. All-weather rain hat. 2,870,451, 1-27-59, Cl. 2-202.
- Brody, Frederick: See—
- Scalera, Mario, Brody, Zimmerman, and Ulmes. 2,911,425.
- Brody, Frederick, and J. J. Leavitt, to American Cyanamid Co. 8-alkoxy-6-aminocarbostyrlis. 2,901,485, 8-25-59, Cl. 260-288.
- Brody, Stanley S. Supersonic deviation-measuring apparatus. 2,913,700, 11-17-59, Cl. 340-1.
- Broecker, Carl J. Depth indicator for trenching machines. 2,898,687, 8-11-59, Cl. 33-185.
- Broedner, Ernst: See—
- Engel, Wolfgang, and Broedner. 2,873,707.
- Broedner, Ernst, to Phoenix-Nachmaschinen AG., Baer & Kempel. Embroidery frame guides for sewing machines. 2,902,956, 9-8-59, Cl. 112-103.
- Broehl, Charles W. Automobile utility device. 2,889,097, 6-2-59, Cl. 224-42.42.
- Broekhuysen, William C., S. Gilman, and V. J. Petrucely, to American Machine and Foundry Co. Counting mechanism. 2,878,997, 3-24-59, Cl. 233-95.
- Broell, Percy C., to L. L. McCurdy. Vehicle air flow system for increasing motor efficiency and settling road debris. 2,886,120, 5-12-59, Cl. 180-54.
- Broerman, Arthur B.: See—
- Reinecke, Marvin E., and Broerman. 2,880,323.
- Broerman, Arthur B., to Phillips Petroleum Co. Electrical measuring apparatus. 2,915,701, 12-1-59, Cl. 324-61.
- Broerman, Arthur B., and M. E. Reinecke, to Phillips Petroleum Co. Differential refractometer for elevated temperatures. 2,886,715, 5-12-59, Cl. 250-218.
- Broers, Godofredus H.: See—
- Meljerling, Jan L., and Broers. 2,916,814.
- Broffitt, Wilgus S., to General Motors Corp. Liquid-cooled turbine. 2,891,382, 6-23-59, Cl. 60-39.66.
- Broffitt, Wilgus S., to General Motors Corp. Mechanism for inspecting and establishing machining location points on a workpiece. 2,907,233, 10-6-59, Cl. 77-5.
- Brogan, Lloyd F.: See—
- Johnson, Philip A. 2,901,964.
- Johnson, Philip A. 2,904,151.
- Brogdax Co.: See—
- Straley, James B. 2,898,881.
- Brogdon, Harold F., to Philco Corp. Variable speed washing machine transmission. 2,872,828, 2-10-59, Cl. 74-368.
- Brogdon, Harold F., to Automatic Music, Inc. Portable laundry unit. 2,903,873, 9-15-59, Cl. 68-3.
- Brogdon, James W. Stand-on platform for a ladder. 2,871,067, 1-27-59, Cl. 304-31.5.
- Broge, Robert W., and R. J. Grabenstetter, to The Procter & Gamble Co. Calcium pyrophosphate abrasive and dentifrice containing the same. 2,876,168, 3-3-59, Cl. 167-93.
- Broglio, Edward P., to General Electric Co. Battery casing. 2,900,432, 8-18-59, Cl. 136-90.
- Brogren, Axel V., to Parsons Corp. Rocker arm and process of manufacturing the same. 2,917,033, 12-15-59, Cl. 123-90.
- Brohl, August, and H. Wehrenfennig, to E. Leltz, G. m. b. H. Camera with objective coupled shutter release lock and picture boundary selector. 2,881,684, 4-14-59, Cl. 95-11.
- Brohl, Earl M., to General Motors Corp. Vapor lock preventing device. 2,917,110, 12-15-59, Cl. 158-36.
- Brohle, Franz, G. Hoffmann, and F. List, to Chemische Werke Huls Akt. Process for the production of alkyl esters of aromatic dicarboxylic acids. 2,885,432, 5-5-59, Cl. 260-475.
- Broida, Herbert P., and J. R. Pellam, to United States of America, Commerce. Formation and stabilization of atoms and free radicals. 2,892,766, 6-30-59, Cl. 204-164.
- Broido, Daniel, to International Computers and Tabulators Ltd. Record sorting apparatus. 2,892,542, 6-30-59, Cl. 209-74.
- Brokaw, George Y., to Eastman Kodak Co. Trans esterification of triglycerides by means of plural metal catalyst. 2,879,281, 3-24-59, Cl. 260-410.7.
- Brokaw, George Y., to Eastman Kodak Co. Preparation of vitamin A palmitate. 2,882,286, 4-14-59, Cl. 260-410.
- Brokaw, George Y., and W. C. Lyman, Jr., to Eastman Kodak Co. Gelled glycerol fatty acid partial ester pharmaceutical carrier. 2,895,879, 7-21-59, Cl. 167-81.
- Broksbank, Harry P., and M. J. Martin, to Sulphates Ltd. Process of producing solid aluminum sulphate. 2,893,813, 7-21-59, Cl. 23-301.
- Brola, Gabriel, to Societe Anonyme dite: Generale Thermique-Processus Brola. Combustion apparatus. 2,901,032, 8-25-59, Cl. 158-76.
- Brolin, Stephen J., to Bell Telephone Laboratories, Inc. Current supply apparatus. 2,906,941, 9-29-59, Cl. 323-22.
- Broman, Cyrus R.: See—
- Homan, John F., Gewecke, and Broman. 2,893,678.
- Broman, Cyrus R., to Baxter Laboratories, Inc. Parenteral solution container closure. 2,878,808, 3-24-59, Cl. 128-272.
- Broman, Francis F. Plenic barbecue grill. 2,918,051, 12-22-59, Cl. 126-25.
- Broman, John S., to Nordberg Mfg. Co. Tightening device for mantles and liners in crushers. 2,916,219, 12-8-59, Cl. 241-299.
- Bromberg, Edwin S. Case for contact lenses. 2,877,779, 3-17-59, Cl. 134-99.
- Bromberg, Malcolm C. Display shelf construction. 2,915,193, 12-1-59, Cl. 211-135.
- Brömer, Heinz, and N. Meinert, to Ernst Leltz, G.m.b.H. Optical glass. 2,899,322, 8-11-59, Cl. 106-47.
- Bromley, Arthur E.: See—
- Smith, Clarence M., and Bromley. 2,915,736.
- Bromley, Arthur E., to The Bryant Electric Co. Wiring device. 2,913,698, 11-17-59, Cl. 339-164.
- Bromley, James E., to The Chemstrand Corp. Flexible coupling. 2,898,751, 8-11-59, Cl. 64-11.
- Bromley, Paul: See—
- Tretaway, Thomas J. 2,905,214.
- Bromo-Mint Co., Inc.: See—
- Steiner, Albert M. 2,888,004.
- Brons, Allan. Copying camera improvements. 2,882,790, 4-21-59, Cl. 88-24.
- Bronaugh, Hugh J., to Thiokol Chemical Corp. Preparation of alkali metal borohydrides. 2,880,058, 3-31-59, Cl. 23-14.
- Bronkowsky, Raymond J., to McGraw-Edison Co. Line drop compensating circuit. 2,901,684, 8-25-59, Cl. 323-66.
- Bronkowsky, Raymond J., to McGraw-Edison Co. Mounting means for temperature indicating device. 2,907,992, 10-6-59, Cl. 340-227.
- Bronleewe, Robert H. Liftblitch for spring tooth harrows. 2,889,890, 6-9-59, Cl. 172-413.
- Bronnmann, Albert J. Precision gun sight. 2,896,326, 7-28-59, Cl. 33-50.
- Bronson, Howard S., and M. F. Felt, to Portage Hosiery Co. Yarn and method of making same. 2,902,820, 9-8-59, Cl. 57-163.
- Bronson, James D., Jr., to Thomson Research Co., Inc. Method of manufacturing extended pigments. 2,872,335, 2-3-59, Cl. 106-292.
- Bronson, Sabin C.: See—
- Haggadone, L. V. 2,888,665.
- Bronson, Stanley O., II: See—
- Morbeck, Robert C., Bronson, and Sweetser. 2,877,172.
- Bronstein, Harry. Cam operated ball detent coupling pin. 2,898,797, 8-11-59, Cl. 85-5.
- Bronstert, Franz, to Accumulatoren-Fabrik Akt. Electrode arrangement. 2,895,393, 8-4-59, Cl. 136-43.
- Bronstert, Franz, to Accumulatoren-Fabrik Aktiengesellschaft. Annular permanently sealed alkaline accumulator. 2,915,577, 12-1-59, Cl. 136-13.
- Bronstien, Edward L., to United States Bedding Co. Spring assembly machines. 2,898,950, 8-11-59, Cl. 140-92.8.
- Bronstien, Edward L., Jr., and R. A. Fisher, to The United States Bedding Co. Wire shaping machine. 2,873,768, 2-17-59, Cl. 140-71.
- Bronstien, Edward L., Jr., and R. A. Fisher, to The United States Bedding Co. Mechanically operated sofa bed. 2,913,736, 11-24-59, Cl. 5-13.
- Bronzavia S.A.: See—
- Conan, Yves. 2,902,880.
- Brook, Arthur F., to Wire-O Corp. Binder with individually operable binder rings. 2,879,775, 3-31-59, Cl. 129-24.
- Brook, James E., to Bendix Aviation Corp. Servosystem with preamplifier. 2,871,431, 1-27-59, Cl. 318-30.
- Brook, Leonard, and R. Walker, to The Forgrove Machinery Co. Ltd. Wrapping machines. 2,875,567, 3-3-59, Cl. 53-370.
- Brooke, Arthur A., to Canadian General Electric Co., Ltd. Manufacturing grids. 2,906,299, 9-29-59, Cl. 140-71.5.
- Brooke, Burnham. Unidirectional valve for anesthesia equipment. 2,868,198, 1-13-59, Cl. 128-188.
- Brooke, Chester E. Device for cutting dough. 2,868,145, 1-13-59, Cl. 107-46.
- Brooke, Harold, and G. J. Parker, to The Forgrove Machinery Co. Ltd. Wrapping or like machines. 2,903,635, 9-8-59, Cl. 318-6.
- Brooke, Jesse M., to Phillips Petroleum Co. Flow rate of an impurity controlling a distillation process. 2,916,887, 12-15-59, Cl. 62-18.
- Brooke, Jesse M., and F. E. Gilmore, to Phillips Petroleum Co. Catalytic reforming process and pretreatment of feed stock. 2,917,452, 12-15-59, Cl. 208-91.
- Brooke, Thomas A., and E. J. Smith, to Dunlop Rubber Co. Ltd. Anti-vibration mounting. 2,873,940, 2-17-59, Cl. 248-358.
- Brookens, Ronald G.: See—
- Clark, Gerald A., Havens, and Brookens. 2,910,454.
- Brooker, Leslie G. S.: See—
- Heseltine, Donald W., and Brooker. 2,895,955.
- Webster, Frank G., Heseltine, and Brooker. 2,887,480.
- Brooker, Leslie G. S., and E. J. Van Lare, to Eastman Kodak Co. Cyanines from triazole bases. 2,870,014, 1-20-59, Cl. 96-106.
- Brooker, Leslie G. S., and D. W. Heseltine, to Eastman Kodak Co. Photographic sensitizing dyes and emulsions containing them. 2,882,158, 4-14-59, Cl. 96-102.
- Brooker, Leslie G. S., and F. L. White, to Eastman Kodak Co. Merocyanine sensitizing dyes and photographic emulsions containing them. 2,882,159, 4-14-59, Cl. 96-102.
- Brooker, Leslie G. S., and G. H. Keyes, to Eastman Kodak Co. Method of making thiazole or oxazole quaternary salts. 2,917,516, 12-15-59, Cl. 260-304.
- Brookes, Albert E. Machine for plucking hops or like plants. 2,891,555, 6-23-59, Cl. 130-30.
- Brookhouser, Lawrence H., to United States Steel Corp. Flame cutting table. 2,890,883, 6-16-59, Cl. 269-163.



- Brooking, Rowland A., to Simmonds Aerocessories Ltd. Denstometers. 2,889,702, 6-9-59, Cl. 73-32.
- Brooks, Alfred J., and J. S. Strickland, said Strickland to said Brooks. Device to open and hold containers during packaging operation. 2,895,276, 7-21-59, Cl. 53-261.
- Brooks, Arthur H., to United States of America, Navy. Sound generator. 2,901,997, 9-1-59, Cl. 116-27.
- Brooks, Byron S.: See—  
Hamlin, Frank S., Holmes, Brooks, and Swanson. 2,915,298.
- Brooks, Charles H., to Sun Oil Co. Apparatus for transfer of solids between zones of different pressures. 2,907,605, 10-6-59, Cl. 302-17.
- Brooks, Charles H., to Sun Oil Co. Treatment of gas mixtures. 2,918,140, 12-22-59, Cl. 183-114.2.
- Brooks, Charles H., to Sun Oil Co. Polymerization process. 2,919,265, 12-22-59, Cl. 260-93.7.
- Brooks, Chester E., W. O. Fleckenstein, R. C. Lee, and H. N. Seckler, to Bell Telephone Laboratories, Inc. Magnetic drum auxiliary sender for telephone switching system. 2,876,288, 3-3-59, Cl. 179-18.
- Brooks, E. J., Co.: See—  
Brooks, Winfred M., and Moberg. 2,913,274.  
Moberg, Sigurd M. 2,899,230.  
Moberg, Sigurd M. 2,902,308.  
Moberg, Sigurd M. 2,912,269.  
Moberg, Sigurd M. 2,914,354.
- Brooks, Ernest A., R. Shellenberger, and T. S. Sprague, to The Babcock & Wilcox Co. Pressure shell enclosed synthesis gas generator with tubular heat exchanger. 2,894,494, 7-14-59, Cl. 122-510.
- Brooks, Forrest E., to Radio Corp. of America. Deflection systems. 2,870,373, 1-20-59, Cl. 315-27.
- Brooks, Frank W., Jr., and C. A. Duval, Jr., to Socony Mobil Oil Co., Inc. Method for producing a stabilized cracked distillate fuel oil. 2,868,722, 1-13-59, Cl. 208-263.
- Brooks, Frank W., Jr., and H. R. Sharpless, Jr., to Socony Mobil Oil Co., Inc. Process for sweetening hydrocarbons with elemental sulfur caustic and air in the presence of a lead sulfide catalyst. 2,879,227, 3-24-59, Cl. 208-198.
- Brooks, Fred A., Jr., G. W. Binkley, G. K. Dumbauld, and D. Perry, to Jersey Production Research Co. Method for cementing wells. 2,868,295, 1-13-59, Cl. 166-29.
- Brooks, Fred N., and R. L. Rogers, deceased (L. A. Rogers, executrix), to Texas Phenothiazine Co. Phenothiazine drench compositions. 2,918,403, 12-22-59, Cl. 167-53.
- Brooks, Hamilton: See—  
Cameron, Frank L., and Brooks. 2,897,315.
- Brooks, Harvey: See—  
Hurwitz, Henry, Jr., Brooks, Mannal, Payne, and Luebke. 2,870,216.
- Brooks, Ivan C.: See—  
Dvorkovitz, Vladimir, and Brooks. 2,890,960.
- Brooks, John A., and M. J. Den Herder, to Standard Oil Co. Temperature control in platinum catalyst reforming. 2,895,898, 7-21-59, Cl. 208-65.
- Brooks, John W., to Socony Mobil Oil Co., Inc. Process for oxidizing petroleum oil and products therefor. 2,895,978, 7-21-59, Cl. 260-451.
- Brooks, Lester A., and J. C. Bacon, to R. T. Vanderbilt Co., Inc. Chloroprene polymers containing mono-substituted thiourea accelerators. 2,911,392, 11-3-59, Cl. 260-79.5.
- Brooks, Lester A., and J. C. Bacon, to R. T. Vanderbilt Co., Inc. Chloroprene polymers containing asymmetric di-substituted thiourea accelerators. 2,911,393, 11-3-59, Cl. 260-79.5.
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- Brooks, Marguerite E.: See—  
Rudner, Bernard, and Brooks. 2,888,483.  
Rudner, Bernard, and Brooks. 2,906,753.
- Brooks, Marvin C., to United States Rubber Co. Reaction product of vinyltrichlorosilane, diethylene glycol, water and ammonia or an amine and method of making same. 2,885,383, 5-5-59, Cl. 260-45.4.
- Brooks, Marvin C., to United States Rubber Co. Method of making composite glass-polyester structures. 2,891,885, 6-23-59, Cl. 154-128.
- Brooks, Paul A., and L. J. Bucaria. Baby feeding bottle. 2,877,917, 3-17-59, Cl. 215-11.
- Brooks, Richard F., to Monsanto Chemical Co. Manufacture of aromatic sulfonic acids. 2,889,360, 6-2-59, Cl. 260-505.
- Brooks, Richard F., to Monsanto Chemical Co. Manufacture of aromatic sulfonic acids. 2,889,361, 6-2-59, Cl. 260-505.
- Brooks, Robert R., to Minneapolis-Honeywell Regulator Co. Welding method. 2,872,565, 2-3-59, Cl. 219-117.
- Brooks, Roy L. Grain board and books therefor. 2,873,867, 2-17-59, Cl. 214-44.
- Brooks, Thomas E., to Lisle Corp. Magnetic plug. 2,870,384, 1-20-59, Cl. 317-201.5.
- Brooks, W. R., Inc.: See—  
Sharrar, Osro G., Brooks, and Bigras. 2,888,264.
- Brooks, Wendell R.: See—  
Sharrar, Osro G., Brooks, and Bigras. 2,888,264.
- Brooks, Wesley W., and C. E. Strecker, to General Electric Co. Fluorescent lamp ballast. 2,869,037, 1-13-59, Cl. 315-97.
- Brooks, Wesley W., R. W. Dochterman, and W. L. R. Henderson, to General Electric Co. Core clamping means. 2,882,506, 4-14-59, Cl. 336-210.
- Brooks, William W. H. Schray, and L. N. Davis, to United Steel & Wire Co. Child's seat for a movable storage cart. 2,890,059, 6-9-59, Cl. 280-33.99.
- Brooks, William O., to Northrop Corp. Limiter amplifier system. 2,898,410, 8-4-59, Cl. 179-171.
- Brooks, Winfred M., and S. M. Moberg, to E. J. Brooks Co. Loop seal. 2,913,274, 11-17-59, Cl. 292-317.
- Brooksbank, Wallace R. Textile machinery. 2,900,673, 8-25-59, Cl. 19-115.
- Brophy, James J., and J. W. Buttrey, to International Business Machines Corp. Hall effect probe. 2,914,728, 11-24-59, Cl. 324-45.
- Brophy, Jere E., and R. W. Ingraham, to International Business Machines Corp. Application of solid lubricant coatings to surfaces. 2,902,417, 9-1-59, Cl. 204-37.
- Brosch, William: See—  
Ferriss, Frederick, and Gainfort. 2,879,726.  
Ferriss, Frederick, and Gainfort. 2,882,841.
- Broschke, Heinrich: See—  
Schulze, Reinhard, and Broschke. 2,917,919.
- Brosene, William G., Jr., and P. R. De Selms, to Whirlpool Corp. Gas burner igniter. 2,874,768, 2-24-59, Cl. 158-115.
- Brosenius, Karl Hilding, to Hyresgasternas Sparkasse-och Byggnadsforeningars Riksförbund. Wooden beam constructions. 2,886,857, 5-19-59, Cl. 20-5.
- Broser, Immanuel J., and R. E. Broser-Warminsky, to Hupp Corp. Methods for controlling luminescence and conductivity of radiant energy sensitive materials. 2,918,437, 12-22-59, Cl. 252-501.
- Broser-Warminsky, Ruth E.: See—  
Broser, Immanuel J., and Broser-Warminsky. 2,918,437.
- Brosh, Amnon, to Tele-Dynamics Inc. Variable time delay circuit. 2,871,419, 1-27-59, Cl. 317-142.
- Brosh, Amnon, to Tele-Dynamics Inc. Mobile communication system with carrier signal strength control. 2,883,522, 4-21-59, Cl. 250-6.
- Broshar, Gerald R.: See—  
Falge, Robert N., Broshar, and Manning. 2,911,523.
- Broste, William F., to AMP, Inc. Electrical connectors. 2,908,887, 10-13-59, Cl. 339-223.
- Bross, Helmut, to G. Wagner. Writing device having an extensible and retractable writing element. 2,899,931, 8-18-59, Cl. 120-22.
- Bross, Helmut, to G. Wagner. Containers having walls consisting of a flexible and elastic material. 2,908,423, 10-13-59, Cl. 222-21.
- Bross, Helmut, to Günther Wagner. Retractable writing instrument, particularly of the ball point type. 2,916,014, 12-8-59, Cl. 120-23.
- Brosseau, John B.: See—  
Brosseau, Joseph E., and J. B. 2,919,337.
- Brosseau, Joseph E., and J. B., to Joseph E. Brosseau Co. Temperature control for heating units. 2,919,337, 12-29-59, Cl. 219-20.
- Brosseau, Joseph E., Co.: See—  
Brosseau, Joseph E., and J. B. 2,919,337.
- Brossi, Arnold, and O. Schneider, to Hoffmann-La Roche Inc. Novel quinoline compounds and process for the manufacture thereof. 2,877,226, 3-10-59, Cl. 260-287.
- Brothers, Arthur M. Portable photographic film viewer. 2,880,646, 4-7-59, Cl. 88-24.
- Brothers, Irma M. Garment-gripping sleeve for hanger. 2,904,233, 9-15-59, Cl. 223-85.
- Brotzmann, Karl: See—  
Harders, Fritz, Knuppel, and Brotzmann. 2,893,715.
- Brough, Andrew S., to Veeder-Root Ltd. Predetermining counter presetting means. 2,877,952, 3-17-59, Cl. 235-132.
- Brougham, Leslie E., and R. Brown, to Block & Anderson Ltd. Master clip arrangements for hectographic duplicating machines. 2,880,670, 4-7-59, Cl. 101-132.5.
- Brougham, Leslie E., and R. Brown, to Block & Anderson Ltd. Rotary hectographic duplicating machines. 2,884,854, 5-5-59, Cl. 101-132.5.
- Broughton, Arthur E., to F. J. Broughton, and D. H. Newcomb, as trustees. Vacuum control valve. 2,883,998, 4-28-59, Cl. 137-116.3.
- Broughton, Arthur E., to F. J. Broughton and D. H. Newcomb, as trustees. Spray shower assembly. 2,884,203, 4-28-59, Cl. 239-116.
- Broughton, Donald B., to Universal Oil Products Co. Recovery and separation of naphthalenes by solvent extraction. 2,878,261, 3-17-59, Cl. 260-874.
- Broughton, Donald B., to Universal Oil Products Co. Process for separating butylenes from butanes. 2,911,452, 11-3-59, Cl. 260-677.
- Broughton, Francis J.: See—  
Broughton, Arthur E. 2,883,998.  
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- Brouillard, Robert E.: See—  
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Katz, Leon, Fuerst, and Brouillard. 2,907,670.  
Lytle, Lawrence D., and Brouillard. 2,918,465.
- Brouillard, Robert E., and L. Katz, to General Aniline & Film Corp. Phthalocyanine pigments. 2,867,539, 1-6-59, Cl. 106-288.
- Brouillard, Robert E., and T. R. Tarantino, to General Aniline & Film Corp. Manufacture of copper phthalocyanine. 2,900,390, 8-18-59, Cl. 260-314.5.
- Brous, Donald W., to Food Engineering Corp. Liquid dispensing machine. 2,907,495, 10-6-59, Cl. 222-63.

- Brouse, Harold L., to Avco Mfg. Corp. Angular position indicating system. 2,911,636, 11-3-59, Cl. 340-271.
- Brouse, Shirley B., and P. W. Fawcett, to United States Steel Corp. Tensioner for automatic wire-tying machine. 2,908,216, 10-13-59, Cl. 100-26.
- Brouse, Shirley B., and P. W. Fawcett, to United States Steel Corp. Automatic wire-tying machine. 2,912,099, 11-10-59, Cl. 203-12.
- Brouse, William H. D., to Teleflex Inc. Control mechanism. 2,890,593, 6-16-59, Cl. 74-394.
- Broussard, Leo: See—  
Nicholson, Edward W. S., Segura, and Broussard. 2,906,698.
- Broussard, Robert B.: See—  
Tuce, Charles A., and Broussard. 2,902,532.
- Broussaud, Georges, to Compagnie Generale de Telegraphie Sans Fil. Radiating systems. 2,870,444, 1-20-59, Cl. 343-909.
- Brouthers, Elmer J.: See—  
Miller, Harry B., and Brouthers. 2,876,614.
- Brower, Frans, to Canadian Westinghouse Co., Ltd. Position control servosystem. 2,913,648, 11-17-59, Cl. 318-28.
- Brower, Jasper. Livestock feeder. 2,906,241, 9-29-59, Cl. 119-53.
- Browall, Bert H. Automatic slack adjusters for brakes. 2,908,360, 10-13-59, Cl. 188-196.
- Browar, Emilian: See—  
Metheny, Donald E., and Browar. 2,874,073.
- Browder, Doniphan S.: See—  
Browder, Herbert M., Jr. and D. S. 2,908,403.
- Browder, Herbert M., Jr. and D. S. Device for removing and installing automobile doors. 2,908,403, 10-13-59, Cl. 214-1.
- Browder, Lewis R.: See—  
Chambers, Herbert L., and Browder. 2,876,059.
- Brower, Bailey, and J. F. Phillips. Dolly attachments for suit cases or like articles of manufacture. 2,919,138, 12-29-59, Cl. 280-35.
- Brower, David F., to Hughes Aircraft Co. Variable reluctance electromagnetic device. 2,897,462, 7-28-59, Cl. 336-30.
- Brower, David F., and W. T. Chater, to Hughes Aircraft Co. Condition responsive electrical system. 2,918,666, 12-22-59, Cl. 340-195.
- Brown, Aaron. Sectional type demountable rim. 2,882,094, 4-14-59, Cl. 301-30.
- Brown, Abbott A., to Bendix Aviation Corp. Signal network. 2,887,659, 5-19-59, Cl. 332-1.
- Brown, Abbott A., and R. M. De Luca, to Bendix Aviation Corp. Variable inductor. 2,901,716, 8-25-59, Cl. 336-135.
- Brown, Adolph M. Face lifting device. 2,896,613, 7-28-59, Cl. 128-76.
- Brown, Albert L. Heater for oil wells. 2,908,331, 10-13-59, Cl. 166-61.
- Brown, Albert L. Protective device. 2,904,041, 9-15-59, Cl. 128-132.
- Brown, Albert W., to Parker-Hannifin Corp. Aircraft fuel dumping means. 2,880,749, 4-7-59, Cl. 137-344.
- Brown, Alexander M., to Talon, Inc. Quick release end stop. 2,894,305, 7-14-59, Cl. 24-205.11.
- Brown, Alexander M., to Talon, Inc. Top stop for slide fasteners. 2,900,694, 8-25-59, Cl. 24-205.11.
- Brown, Alexander M., to Talon, Inc. Automatic lock slider for slide fasteners. 2,913,795, 11-24-59, Cl. 24-205.14.
- Brown, Alfred E.: See—  
Harris, Milton, and Brown. 2,914,374.
- Brown, Allan R., to The Raymond Corp. Steering and driving mechanism for material handling trucks. 2,913,063, 11-17-59, Cl. 180-42.
- Brown, Amos H.: See—  
Graham, Robert P., Brown, and Ramage. 2,897,600.  
Lazar, Melvin E., and Brown. 2,911,036.
- Brown, Andrew. Golfer's training device. 2,917,312, 12-15-59, Cl. 273-179.
- Brown, Archer W.: See—  
Stoddard, Robert J., Brown, and Bratt. 2,902,177.
- Brown, Archer W., and American Hoist & Derrick Co. Out-rigger construction for carrier mounted cranes. 2,914,194, 11-24-59, Cl. 212-145.
- Brown, Arthur E. Double acting two stroke cycle internal combustion engine. 2,918,045, 12-22-59, Cl. 123-62.
- Brown, Arthur E., to General Electric Co. Linear actuator. 2,918,827, 12-22-59, Cl. 74-424.8.
- Brown, Arthur G., W. W. Lee, and K. M. Sancier, to The Procter & Gamble Co. Composition having bleaching sterilizing and disinfecting properties, and method of preparation thereof. 2,913,460, 11-17-59, Cl. 260-248.
- Brown, Arthur K., Jr.: See—  
Austin, Leonard E., and Brown. 2,880,824.  
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Austin, Leonard E., Brown, and Ettinger. 2,918,164.
- Brown, Arthur W., Jr. Water ski harness. 2,891,261, 6-23-59, Cl. 9-21.
- Brown, Barnett C. Tool holder. 2,903,138, 9-8-59, Cl. 211-60.
- Brown, Ben E., and R. R. Dunlap. Pressure switch. 2,895,024, 7-14-59, Cl. 200-82.
- Brown, Bernard D.: See—  
Singletary, Vernon A., and Brown. 2,874,946.
- Brown, Bernard E., to General Electric Co. Clothes washing apparatus. 2,867,107, 1-6-59, Cl. 68-24.
- Brown, Bertrand H.: See—  
Esmeier, Edward F., and Brown. 2,874,540.
- Brown & Bigelow: See—  
Felt, Paul W. 2,892,251.  
Olson, John J. 2,890,090.  
Schwartz, John J. 2,892,537.  
Woolter, Cecil B. 2,892,275.
- Brown, Boveri & Cie. Akt.: See—  
Katzenberger, Bernhard. 2,898,032.  
Ludwig, Ernst. 2,870,390.
- Brown & Brown, Inc.: See—  
Brown, Chalmers S. 2,882,919.
- Brown, Calvin F. Apparatus for testing mercury switches. 2,885,635, 5-5-59, Cl. 324-28.
- Brown, Calvin F., and P. F. Vial. Crystal point detonation fuze. 2,892,411, 6-30-59, Cl. 102-70.2.
- Brown, Calvin O., to Set Screw & Mfg. Co. Headless set screws with center of gravity located so that screw will be properly oriented. 2,877,680, 3-17-59, Cl. 85-1.
- Brown, Calvin O., to Set Screw & Mfg. Co. Screw having deformable temporary head disposed in a groove. 2,877,681, 3-17-59, Cl. 85-9.
- Brown, Carl F., Jr., to Wald Industries, Inc. Surface marking apparatus. 2,889,992, 6-9-59, Cl. 239-69.
- Brown, Carl R.: See—  
Capen, Harold N., Brown, and Evans. 2,911,333.
- Brown, Chalmers S., to Brown & Brown, Inc. Sewer regulator. 2,882,919, 4-21-59, Cl. 137-115.
- Brown, Charles F., and I. H. C. Green, to Hemphill Co. Yarn controlling device and method of knitting. 2,886,959, 5-19-59, Cl. 66-140.
- Brown, Charles H., to Morning Coffee, Inc. Water-heating apparatus for use in making hot beverages. 2,894,110, 7-7-59, Cl. 219-38.
- Brown, Charles K., Jr., and C. K. Brown, Sr. Double acting vacuum and scrubbing head. 2,867,835, 1-13-59, Cl. 15-328.
- Brown, Charles K., Sr.: See—  
Brown, Charles K., Jr., and Brown, Sr. 2,867,835.
- Brown, Charles L., Jr., to Electroflux Corp. Double purpose suction cleaning nozzle. 2,885,716, 5-12-59, Cl. 15-417.
- Brown, Charles R., to United States of America, Navy. Variable ejector for iris nozzles. 2,870,600, 1-27-59, Cl. 60-35.6.
- Brown, Chester A.: See—  
Gibboney, James L., Brown, and Krueger. 2,872,106.
- Brown, Chester A., and C. E. Winchell, to National Aluminate Corp. Wheel flange lubricator. 2,903,090, 9-8-59, Cl. 184-3.
- Brown, Cicero C.: See—  
Potts, Ernest L. 2,880,807.  
Potts, Ernest L. 2,884,070.  
Potts, Ernest L. 2,915,126.
- Brown, Cicero C. Washover tool for use in wells. 2,869,644, 1-20-59, Cl. 166-103.
- Brown, Cicero C. Liner packer for wells. 2,884,069, 4-28-59, Cl. 166-119.
- Brown, Cicero C. Safety valve for well pipes. 2,884,072, 4-28-59, Cl. 166-139.
- Brown, Cicero C. Well packers. 2,893,492, 7-7-59, Cl. 166-119.
- Brown, Cicero C. Well apparatus and methods of running same in a well bore. 2,902,093, 9-1-59, Cl. 166-46.
- Brown, Cicero C. Well completion and well packer apparatus and methods of selectively manipulating a plurality of well packers. 2,903,066, 9-8-59, Cl. 166-46.
- Brown, Clarence H.: See—  
Newton, John S., and Brown. 2,911,090.
- Brown, Clarence H., to Goodman Mfg. Co. Bit holder for cutter chain bits. 2,901,233, 8-25-59, Cl. 262-23.
- Brown, Clarence H., and R. A. McCallum, to Goodman Mfg. Co. Self-gauging and readily removable cutter bit. 2,907,559, 10-6-59, Cl. 262-33.
- Brown, Claude L., and E. E. Brown. Combination caliper micrometer. 2,894,332, 7-14-59, Cl. 33-159.
- Brown, Clinton B.: See—  
Maloney, James D., Jr., and Brown. 2,867,414.
- Brown Co.: See—  
Smart, Meredith R. 2,873,628.  
Taylor, Arthur R. 2,884,062.
- Brown, Curtis L., to Bendix Aviation Corp. Device for regulating the response rate of fluid suspension leveling valves. 2,918,303, 12-22-59, Cl. 280-124.
- Brown, Curtis W.: See—  
Nichols, Frank. 2,906,435.
- Brown, Daniel P. Propeller guard and deflector for outboard motors. 2,894,477, 7-14-59, Cl. 115-42.
- Brown, Dewey. Flush valve construction. 2,878,485, 3-24-59, Cl. 4-57.
- Brown, Donald A., to Donn Products, Inc. T joint. 2,903,104, 9-8-59, Cl. 180-36.
- Brown, Donald J., G. H. Morehouse, and L. B. Schauer, to Morehouse Industries, Inc. Vacuum milling and deaerating system. 2,909,332, 10-20-59, Cl. 241-46.
- Brown, Donald V., to General Electric Co. Process for rendering masonry water-repellent. 2,905,562, 9-22-59, Cl. 106-12.
- Brown, Dwight E., to Hydro-Aire, Inc. Anti-skid brake system. 2,874,810, 2-24-59, Cl. 188-181.
- Brown, Earl G. Automobile light control system. 2,876,384, 3-3-59, Cl. 315-81.



- Brown, Edgar A., to International Business Machines Corp. Paper feeding device. 2,880,997, 4-7-59, Cl. 271-45.
- Brown, Edgar A., to International Business Machines Corp. Non-destructive sensing of magnetic cores. 2,902,676, 9-1-59, Cl. 340-174.
- Brown, Edgar A., to International Business Machines Corp. Magnetic transducer and method. 2,915,593, 12-1-59, Cl. 179-100.2.
- Brown, Edgar A., and C. C. Zuleeg, to International Business Machines Corp. Sealing means for roller bearings. 2,872,257, 2-3-59, Cl. 308-187.
- Brown, Edgar A., and E. A. Sands, to Burroughs Corp. Binary accumulator. 2,885,148, 5-5-59, Cl. 235-164.
- Brown, Edgar F. Carrier for cartons. 2,903,502, 9-22-59, Cl. 294-87.2.
- Brown, Edmund H.: See—
- Birmingham, Bascom W., Brown, Scott, and Vander Arend. 2,871,042.
- Brown, Edward I., to Vickers Inc. Dual throttling motor control circuit. 2,879,745, 3-31-59, Cl. 121-38.
- Brown, Edward N. Multiple utility racks. 2,903,137, 9-8-59, Cl. 211-26.
- Brown, Edwin C., and C. W. Gaden, to Baldwin-Lima-Hamilton Corp. Slow-fast power steering system. 2,899,006, 8-11-59, Cl. 180-79.2.
- Brown, Edwin H., to Constock Liquid Methane Corp. Apparatus for unloading cold low temperature boiling liquids from storage reservoir. 2,903,860, 9-15-59, Cl. 62-52.
- Brown, Edwin H., and W. L. Morrison; said Morrison assor. to The Union Stock Yard and Transit Co. of Chicago. Apparatus and method of preserving foodstuffs and the like. 2,890,123, 6-9-59, Cl. 99-192.
- Brown, Elwyn S., D. Y. Cooper, J. O. Elam, and R. J. Johns, to United States of America, Army. Mask (to mask resuscitator). 2,887,105, 5-19-59, Cl. 128-29.
- Brown, Ernest K., E. V. Dobbins, and R. A. Burge, to Standard Oil Co. Production of blown asphalt. 2,886,506, 5-12-59, Cl. 208-5.
- Brown, Enla E.: See—
- Brown, Claude L. and E. E. 2,894,332.
- Brown, Everett R., to Automatic Timing & Controls, Inc. Interval timers. 2,885,001, 5-5-59, Cl. 161-1.
- Brown Flintube Co.: See—
- Brown, John W., Jr., and Nihlen. 2,892,451.
- Brown, Fordyce M.: See—
- Tuttle, Clifton M., Brown, and Brasser. 2,880,325.
- Brown-Forman Distillers Corp.: See—
- Copenhefer, John B. 2,889,759.
- Brown, Forrest W., to The Redstone Corp. Controllable voltage integration circuit. 2,901,610, 8-25-59, Cl. 250-27.
- Brown, Frank: See—
- Hudgin, Donald E., and Brown. 2,895,943.
- Kray, Raymond J., and Brown. 2,915,530.
- Kray, Raymond J., and Brown. 2,917,484.
- Prichard, John H., Rielly, and Brown. 2,883,301.
- Brown, Frank E., to F. M. Turnbull. Immersion thermometer. 2,879,666, 3-31-59, Cl. 73-374.
- Brown, Frank E., to Unette Corp. Manufacture of internal pressure-rupturable seal in thermoplastic tubing. 2,908,601, 10-13-59, Cl. 154-116.
- Brower, Frank M., to The Dow Chemical Co. Method of distilling vinyltoluene. 2,888,386, 5-26-59, Cl. 202-57.
- Brown, Franklin M. Potentiometer. 2,881,295, 4-7-59, Cl. 201-48.
- Brown, Fred C., to British Celanese Ltd. Knitted fabrics and their production. 2,911,704, 11-10-59, Cl. 28-72.
- Brown, Frederick W. Explosives. 2,879,149, 3-24-59, Cl. 52-1.
- Brown, George J. and G. W., to Telemeter Magnetism, Inc. Sorting and stacking apparatus. 2,881,917, 4-14-59, Cl. 209-74.
- Brown, George L.: See—
- Bibolet, Aubert H., Brown, Fellmann, and Richter. 2,914,376.
- Lane, Earl W., and Brown. 2,903,485.
- Richter, George A., Jr., and Brown. 2,869,977.
- Brown, George L., and E. W. Lane, to Rohm & Haas Co. Alkylphenoxypolyethoxyalkanol. 2,903,486, 9-8-59, Cl. 260-613.
- Brown, George P., Jr., to Gulf Research & Development Co. Oxidation process for obtaining a product of improved color characteristics. 2,891,982, 6-23-59, Cl. 260-451.
- Brown, George P., Jr., H. J. Elder, and N. W. Franke, to Gulf Research & Development Co. Method for the separation of difficultly separable mixtures of carboxylic acids. 2,911,420, 11-2-59, Cl. 260-399.
- Brown, George R., to Minneapolis-Honeywell Regulator Co. Valve having manual and automatic means for operating it. 2,911,990, 11-10-59, Cl. 137-82.
- Brown, George W.: See—
- Brown, George J. and G. W. 2,881,917.
- Brown, George W., C. Y. Cartwright, G. L. Hutter, F. A. McCann, J. C. Nyberg, R. M. Skelrik, and N. Krag, to Telemeter Magnetism, Inc. Collating apparatus. 2,909,968, 10-27-59, Cl. 93-1.
- Brown, Gerald H., to J. Leukart Machine Co., Inc. Impacting machine. 2,894,435, 7-14-59, Cl. 94-48.
- Brown, Gerald J., to The Gabriel Co. Wave-guide antenna. 2,907,033, 9-29-59, Cl. 343-781.
- Brown, Gerald J., to The Gabriel Co. Wave-guide antenna. 2,907,034, 9-29-59, Cl. 343-781.
- Brown, Gilbert G., to Bendix Aviation Corp. Soldering iron. 2,902,577, 9-1-59, Cl. 219-20.
- Brown, Glenn H., J. F. Dreyer, H. R. Lubowitz, and W. H. H. Middendorf, to University of Cincinnati Research Foundation. Method and apparatus for displacing a light beam. 2,915,943, 12-8-59, Cl. 88-61.
- Brown, Glenn M.: See—
- Killian, Robert J., and Brown. 2,869,223.
- Killian, Robert J., and Brown. 2,892,431.
- Brown, Glenn R., Jr., H. A. Strecker, and R. H. Crawford, to The Standard Oil Co. Process for the solvent extraction of aromatics from hydrocarbon mixtures. 2,874,116, 2-17-59, Cl. 208-323.
- Brown, Gordon D.: See—
- Prete, Ernest, Jr. 2,889,130.
- Prete, Ernest, Jr. 2,901,794.
- True, Harry, and Brown. 2,867,208.
- Brown, Gordon V., and A. B. Repp. Conveyor positioning apparatus. 2,908,378, 10-13-59, Cl. 198-135.
- Brown, H. H. Shoe Co., Inc.: See—
- Schlecht, Frederick H. 2,915,837.
- Brown, Harlow G. G., to Reinforced Plastics Corp. Marine fender. 2,903,990, 9-15-59, Cl. 114-219.
- Brown, Harold, Co.: See—
- McMurry, Everett D. 2,878,754.
- Brown, Harold J. Converter system having load energy absorption means. 2,899,625, 8-11-59, Cl. 321-2.
- Brown, Harold J. Converter system having separation of function. 2,899,626, 8-11-59, Cl. 321-2.
- Brown, Harold J. Electronic watt-hour meter. 2,919,408, 12-29-59, Cl. 324-142.
- Brown, Harrison S., and D. S. Webster, to United States of America, Atomic Energy Commission. Recovery of plutonium values by fluorination and fractionation. 2,869,982, 1-20-59, Cl. 23-14.5.
- Brown, Harrison S., and E. G. Bohlmann, to United States of America, Atomic Energy Commission. Recovery of Pu from cerium trifluoride by fluorination. 2,873,168, 2-10-59, Cl. 23-14.5.
- Brown, Harrison S., and G. T. Seaborg, to United States of America, Atomic Energy Commission. Method of separating uranium values, plutonium values and fission products by chlorination. 2,875,021, 2-24-59, Cl. 23-14.5.
- Brown, Harry, and J. McPherson, to Peglers Ltd. Fluid control tap. 2,893,421, 7-7-59, Cl. 137-329.3.
- Brown, Harry D. Fume hoods for laboratories. 2,885,947, 5-12-59, Cl. 98-115.
- Brown, Harry D. Multiple solution stirrer. 2,910,277, 10-27-59, Cl. 259-67.
- Brown, Harry L., to Minneapolis-Honeywell Regulator Co. Gyroscopic apparatus. 2,881,618, 4-14-59, Cl. 74-5.6.
- Brown, Harry W., to Cutler-Hammer, Inc. Electric switches. 2,908,777, 10-13-59, Cl. 200-11.
- Brown, Henry: See—
- Becking, Donald H., Clauss, and Brown. 2,882,208.
- Weinberg, Max, and Brown. 2,871,550.
- Brown, Henry, to The Udyllite Corp. Metallic protective coating. 2,900,707, 8-25-59, Cl. 29-183.5.
- Brown, Henry, to The Udyllite Research Corp. Aqueous electrolytic processes. 2,913,377, 11-17-59, Cl. 204-55.
- Brown, Henry, and R. A. Fellows, to The Udyllite Research Corp. Electrodeposition of copper from an acid bath. 2,882,209, 4-14-59, Cl. 204-52.
- Brown, Henry R., Jr., to North American Aviation, Inc. Error sensing servo component. 2,878,434, 3-17-59, Cl. 318-28.
- Brown, Herbert C. Reduction of carbonyl compounds with boron hydrides. 2,874,165, 2-17-59, Cl. 260-343.6.
- Brown, Horace D., and A. R. Matzuk, to Merck & Co., Inc. S-ethyl cysteine compositions for combatting tubercle bacilli. 2,888,280, 6-26-59, Cl. 167-65.
- Brown, Howard E., to United States of America, Navy. Metering valve. 2,867,268, 1-6-59, Cl. 158-36.
- Brown, Howard S. Sander. 2,904,940, 9-22-59, Cl. 51-213.
- Brown, Hubert J.: See—
- Engblom, Douglas R. 2,902,201.
- Brown, Hugh M., to The Clemson Agricultural College of South Carolina. False twister. 2,908,133, 10-13-59, Cl. 57-77.4.
- Brown, Hugh M., to Clemson Agricultural College of South Carolina. Cord twister and winder. 2,914,904, 12-1-59, Cl. 57-58.65.
- Brown, Hugh S., to Briggs & Stratton Corp. Engine control. 2,908,263, 10-13-59, Cl. 123-98.
- Brown, Ivan H., and R. H. Gordon, to Gordon-Brown Co. Electromagnet and control circuit. 2,897,411, 7-28-59, Cl. 317-123.
- Brown, Ivan T., and H. H. Gordon. Ultrasonic device. 2,917,042, 12-15-59, Cl. 128-24.
- Brown, Jack A., and E. H. N. Watson, to The Fairley Aviation Co. Ltd. Gyroscopes. 2,872,822, 2-10-59, Cl. 74-5.12.
- Brown, Jack M., and E. D. Newton. Method of soldering aluminum. 2,907,104, 10-6-59, Cl. 29-488.
- Brown, James D., to Toledo Scale Corp. Table for hand saws. 2,869,595, 1-20-59, Cl. 143-132.
- Brown, James E. Hood spring tool. 2,885,749, 5-12-59, Cl. 29-227.
- Brown, James L.: See—
- Ingham, Robert M., Jr., Ferguson, and Brown. 2,911,088.
- Brown, James R., Jr., and J. D. Wallace. Automatic impedance plotter. 2,919,399, 12-29-59, Cl. 324-57.

- Brown, James W.: See—
- Barr, Frank T., Burnside, Brown, Jahnig, and Martin. 2,859,267.
- Jahnig, Charles E., Brown, and Martin. 2,868,715.
- Krebs, Robert W., and Brown. 2,872,411.
- Stefanye, David, Howard, Brown, and Weintraub. 2,916,491.
- Varner, Roy W., and Brown. 2,897,524.
- Brown, James W., to Esso Research and Engineering Co. Hydrocarbon oil conversion process. 2,879,221, 3-24-59, Cl. 208-53.
- Brown, James W., to Esso Research and Engineering Co. Fluid coking process. 2,892,946, 7-7-59, Cl. 208-100.
- Brown, James W., to Esso Research and Engineering Co. Conversion of hydrocarbons. 2,906,690, 9-29-59, Cl. 208-55.
- Brown, James W., and E. A. Destremps, to Esso Research and Engineering Co. Preliminary heating of fluid coke briquettes. 2,869,992, 1-20-59, Cl. 44-10.
- Brown, James W., and J. F. Moser, Jr., to Esso Research and Engineering Co. Fluid coking process. 2,885,348, 5-5-59, Cl. 208-102.
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- Brown, Jerome E.: See—
- Shapiro, Hyman, De Witt, and Brown. 2,898,354.
- Brown, Jerome E., to Ethyl Corp. Antiknock compositions. 2,901,356, 8-25-59, Cl. 44-69.
- Brown, Jerome E., to Ethyl Corp. Compositions for engine operation. 2,913,413, 11-17-59, Cl. 252-49.7.
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- Brown, John A., to Esso Research and Engineering Co. Catalysis of phosphosulfurization reactions. 2,875,188, 2-24-59, Cl. 260-139.
- Brown, John D., to Texaco Inc. Upgrading petroleum refinery streams. 2,914,591, 11-24-59, Cl. 260-683.49.
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- Brown, John F., Jr.: See—
- Burkhard, Charles A., and Brown. 2,867,669.
- Brown, John H., to General Dynamics Corp. Adjustable mount assembly for a cathode ray tube. 2,889,479, 6-2-59, Cl. 313-84.
- Brown, John H. Portable alarm. 2,919,318, 12-29-59, Cl. 200-61.52.
- Brown, John H., and C. J. Johnson, to Potlatch Forest Inc. Wall board construction. 2,872,712, 2-10-59, Cl. 20-15.
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- Brown, John H., to The Reliance Gauge Column Co. Electrical water gauge. 2,869,368, 1-20-59, Cl. 73-304.
- Brown, John S.: See—
- Jancosek, Andrew T., and Brown. 2,906,744.
- Brown, John S., and A. T. Jancosek, to Standard Oil Co. Production of low cold-test oils using urea. 2,890,161, 6-9-59, Cl. 208-25.
- Brown, John W., Jr., and A. C. K. Nihlen, to Brown Flintube Co. Roller. 2,892,451, 6-30-59, Cl. 122-149.
- Brown, Joseph A.: See—
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- Brown, Joseph M.: See—
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- Brown, Kenneth L.: See—
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- Brown, Kenneth L., and W. H. McKnight, to Union Carbide Corp. Primers for vinyl chloride resin coatings. 2,891,876, 6-23-59, Cl. 117-72.
- Brown, Kenneth N., to Yardney International Corp. Process for making porous electrodes and the like. 2,906,803, 9-29-59, Cl. 136-73.
- Brown, Kenneth R., and B. B. English, to Ferranti, Ltd. Servo control systems. 2,909,075, 10-20-59, Cl. 74-365.
- Brown, Lafayette A. Lamp base with novel decorative shade. 2,916,608, 12-8-59, Cl. 240-10.
- Brown, Laurence R., to Burroughs Corp. Gaseous glow tube circuits. 2,896,124, 7-21-59, Cl. 315-200.
- Brown, Lawrence R., to Philco Corp. Beam deflection apparatus for cathode ray tubes. 2,902,616, 9-1-59, Cl. 313-76.
- Brown, Lawrence S.: See—
- Newell, William H., Crowther, and Brown. 2,902,212.
- Brown, Lee V.: See—
- Kjonaas, Manley, and Brown. 2,881,206.
- Brown, Lemuel G. Solar operated louver apparatus. 2,917,795, 12-22-59, Cl. 20-62.
- Brown Lenox and Co. Ltd.: See—
- Hutchison, William M., and Hopkins. 2,894,475.
- Brown, Leonard: See—
- Start, Ernest, and Brown. 2,899,811.
- Brown, Lewis J., and S. Spring to Pennsalt Chemicals Corp. Corrosion inhibition. 2,918,390, 12-22-59, Cl. 117-71.
- Brown, Lloyd H., to The Quaker Oats Co. Resinification of furfuryl alcohol and formaldehyde at high hydrogen-ion concentrations. 2,874,148, 2-17-59, Cl. 260-67.
- Brown, Lothrop L., Jr. Replaceable drill bit. 2,890,022, 6-9-59, Cl. 253-76.
- Brown, Malcolm N.: See—
- Naulty, Howard W., and Brown. 2,889,955.
- Brown, Martin J., and C. C. Cole, to Western Electric Co., Inc. High resistance continuity indicator. 2,885,661, 5-5-59, Cl. 340-282.
- Brown, Maurice H., to Oaktron Electric Co. Inductance coil and method of making such coils. 2,874,361, 2-17-59, Cl. 336-209.
- Brown, Melvin H., to Aluminum Co. of America. Removal of iron from aluminum surfaces. 2,901,334, 8-25-59, Cl. 41-42.
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- Brown, Meyer M. Cutter for complementary cookie components. 2,876,714, 3-10-59, Cl. 107-47.
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- Brown, Myron J., to Westinghouse Electric Corp. Generator protective systems. 2,883,610, 4-21-59, Cl. 322-37.
- Brown, Myron J., to Westinghouse Electric Corp. Automatic generation control. 2,913,592, 11-17-59, Cl. 307-57.
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- Brown, Nelson M.: See—
- Carter, William H., Jr. 2,911,077.
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- Brown, Nueberne H., Jr.: See—
- Bashore, Don M., and Brown. 2,897,508.
- Brown, Oliver J., Jr., and K. D. Miller, Sr., to Hanson-Van Winkle-Munning Co. Sealing rolls for tanks. 2,918,069, 12-22-59, Cl. 134-122.
- Brown, Ora A., to Joy Mfg. Co. Straight pull jar well tool. 2,903,241, 9-8-59, Cl. 255-27.
- Brown, Ora A., to Boash-Ross Tool Co. Well tool retrieving means. 2,910,124, 10-27-59, Cl. 166-98.
- Brown, Otho O. Current making and breaking attachment. 2,918,553, 12-22-59, Cl. 200-153.
- Brown, Otto. Rudder mount assembly. 2,911,935, 11-10-59, Cl. 114-165.
- Brown, Paul L.: See—
- Holbrook, George W., and Brown. 2,915,544.
- Hyde, James F., and Brown. 2,902,507.
- Brown, Paul L., to Dow Corning Corp. Chlorosiloxanes. 2,911,427, 11-3-59, Cl. 260-448.2.
- Brown, Peter H., to Dowty Hydraulic Units Ltd., and O. Thoma. Hydraulic pumps and motors. 2,900,921, 8-25-59, Cl. 103-162.
- Brown, Ralph E., to Genisco, Inc. Rotary apparatus for testing instruments. 2,882,717, 4-21-59, Cl. 73-1.
- Brown, Ralph E., and H. N. Stautz, to Genisco, Inc. Rotary test table. 2,869,376, 1-20-59, Cl. 74-200.
- Brown, Raymond W., to Western Electric Co., Inc. Circuits for forming trains of pulses. 2,874,285, 2-17-59, Cl. 250-27.
- Brown, Richard K., to United States of America, Navy. Measurement of the velocity of sound in fluids. 2,894,595, 7-14-59, Cl. 181-5.
- Brown, Richard M.: See—
- Coles, James S., and Brown. 2,879,937.
- Brown, Robert C.: See—
- Berney, William, and Brown. 2,867,255.
- Brown, Robert C., to Metal Decking Corp. Metal fastening clip. 2,908,955, 10-20-59, Cl. 24-73.
- Brown, Robert C. Aluminum panel joint. 2,918,996, 12-29-59, Cl. 189-86.
- Brown, Robert J.: See—
- Van Nest, Francis H., and Brown. 2,912,824.
- Brown, Robert L.: See—
- Elms, Edwin F. 2,910,751.
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- Brown, Robert L., and R. J. Gobell, to E. I. du Pont de Nemours and Co. Preparation of polychlorobenzoic acids. 2,890,243, 6-9-59, Cl. 260-515.
- Brown, Robert W., to United States Rubber Co. Method of increasing the particle size of synthetic rubber latex polymerizate. 2,897,168, 7-28-59, Cl. 260-29.7.



- Brown, Roger S.: See—  
Miller, August L., Brown, and Rusca. 2,879,549.  
Broughan, Leslie E., and Brown. 2,880,670.  
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Brown, Roland, to Block & Anderson Ltd. Liquid supplying means for hectographic copying machines. 2,872,896, 2-10-59, Cl. 118—249.  
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Timothy, Patrick H. 2,910,835.  
Brown, Roscoe L. Apparatus for vulcanizing ornamental trim on tire walls. 2,868,270, 1-13-59, Cl. 154—9.  
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Brown, Russell J., and J. Downing, to British Celanese Ltd. Production and treatment of artificial filamentary materials. 2,895,790, 7-21-59, Cl. 18—54.  
Brown, Russell J., and J. Downing, to British Celanese Ltd. Wet spinning apparatus including filament wiping means. 2,911,674, 11-10-59, Cl. 18—8.  
Brown, Ruth Z., and B. Rosen, to Crown Cork & Seal Co., Inc. Obtaining cork acids. 2,872,464, 2-3-59, Cl. 260—419.  
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Black, Louis D., Jr., and Brown. 2,898,073.  
Brown, Samuel B. Rotary pump. 2,909,397, 10-20-59, Cl. 308—189.  
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Johnson, Arthur S. 2,887,065.  
Krause, August L., and Gigger. 2,914,153.  
Brown & Sharpe Turret Drilling Division, Inc.: See—  
Charlat, Arnold. 2,887,695.  
Charlat, Arnold. 2,887,894.  
Brown, Stanley H. Nailing jig. 2,911,022, 11-3-59, Cl. 145—1.  
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Brown, Stephen S., to Jersey Production Research Co. Pneumatic actuator. 2,880,755, 4-7-59, Cl. 137—620.  
Brown, Stephen S., to Jersey Production Research Co. Fluid sampler. 2,906,126, 9-29-59, Cl. 73—422.  
Brown, Theophilus, to Deere & Co. Reversible ratchet drive mechanism. 2,862,929, 4-14-59, Cl. 275—5.  
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Brown, Thomas G., to Reed Mfg. Co. Vise stand. 2,899,073, 8-11-59, Cl. 211—13.  
Brown, Thomas T., to Marconi's Wireless Telegraph Co., Ltd. Automatic tuning systems. 2,887,581, 5-19-59, Cl. 250—36.  
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Norris, James C., Abel, and Brown. 2,913,543.  
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Hendee, Charles F., Fine, and Brown. 2,881,325.  
Brown, Walter H., Jr., to R-I-F Industries, Inc. Open nozzle. 2,890,587, 6-16-59, Cl. 73—215.  
Brown, Walter J. Current regulating circuits for motor control. 2,855,621, 5-5-59, Cl. 318—373.  
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Brown, Wilbur F., to Libbey-Owens-Ford Glass Co. Method of changing glass composition. 2,900,264, 8-18-59, Cl. 106—47.  
Brown, William C., to Raytheon Mfg. Co. Regenerative amplifiers. 2,881,270, 4-7-59, Cl. 179—171.  
Brown, William C. Saturable transformer. 2,896,180, 7-21-59, Cl. 336—155.  
Brown, William D. Power-operated implement attachment. 2,867,921, 1-13-59, Cl. 37—42.  
Brown, William E., W. J. McVeagh, and T. H. Wallace, to Gulf Research & Development Co. Drilling fluids. 2,900,336, 8-18-59, Cl. 252—8.5.  
Brown, William H., to United Aircraft Corp. Vane retaining device. 2,872,156, 2-3-59, Cl. 253—78.  
Brown, William H., to Clauss Cutlery Co. Package opener. 2,896,318, 7-28-59, Cl. 30—2.  
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Browne, Donald B., and K. E. Buckman, to General Motors Corp. Filter for filtration of fluids. 2,874,849, 2-24-59, Cl. 210—347.  
Browne, Ernest J., to Gadget-of-the-Month Club, Inc. Automatic tooth brush holder. 2,917,182, 12-15-59, Cl. 211—65.  
Browne, Eugene V., to Northrop Aircraft, Inc. Elastic control stick. 2,881,993, 4-14-59, Cl. 244—83.  
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Browning, Val A. 2,902,903.  
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- Bruce, Charles R., and T. N. Williams, to British Cellophane Ltd. Solid polyethylene plastic materials. 2,886,471, 5-12-59, Cl. 117—138.8.  
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Bruce, George D., Jr., to International Business Machines Corp. Register zero test. 2,905,383, 9-22-59, Cl. 235—174.  
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Bruch, Frank F., to U. S. Slicing Machine Co., Inc. Saw blade scraper for meat and bone saws. 2,884,029, 4-28-59, Cl. 143—158.  
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Bruck, George, W. R. Harter, and S. C. Vandoch, to Avco Mfg. Corp. Transverter. 2,883,539, 4-21-59, Cl. 250—36.  
Bruck, George, and W. G. Zinn, Jr., to Avco Mfg. Corp. Direct-coupled complementary transistor amplifier. 2,885,498, 5-5-59, Cl. 179—171.  
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Bruck, John P., to American-Lincoln Corp. Surfacing machine. 2,893,177, 7-7-59, Cl. 51—170.  
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Bruckner, Byron L., to General Motors Corp. Wobble mechanism for fluffing clothes in a domestic appliance. 2,878,662, 3-24-59, Cl. 68—19.  
Bruckner, Byron L., to General Motors Corp. Combined clothes washing machine and dryer. 2,881,609, 4-14-59, Cl. 68—19.  
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Bruckner, Byron L., to General Motors Corp. Vertical support shaft for motor rotor armature and commutator impeller disc. 2,894,698, 7-14-59, Cl. 241—257.  
Brucker, Milton, to Zenith Plastics Co. Method for metal spray molds. 2,879,196, 3-24-59, Cl. 154—110.  
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Bruckner, Paul, W. Capeller, A. Erk, W. Gottwald, C. W. Heyser, L. Schmitz, and H. Vedder, to Calor-Emag. Arrangement for interrupting electric currents by means of explosive material. 2,892,062, 6-23-59, Cl. 200—135.  
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Bruecker, John. Electrically operated shaver with rotary self-adjusting cutting blades. 2,867,038, 1-6-59, Cl. 30—41.5.  
Brueckmann, Helmut, to United States of America, Army. Broad band vertical antenna. 2,913,722, 11-17-59, Cl. 343—724.  
Brueckner, Hubert U., E. E. Fluskey, F. Pellar, and J. L. Ptasek, to Revere Camera Co. Lens grinding apparatus. 2,880,555, 4-7-59, Cl. 51—55.  
Brueckner, Paul, to A. H. Schilling. Mechanical current converters. 2,884,584, 4-28-59, Cl. 321—48.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Door operating system. 2,872,235, 2-3-59, Cl. 292—336.3.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Hydraulic servo-action system. 2,877,787, 3-17-59, Cl. 137—118.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Sliding glass. 2,878,056, 3-17-59, Cl. 296—44.  
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Brueder, Antoine, to Societe Anonyme Andre Citroen. Fuel-injection system for spark-ignition engine. 2,888,912, 6-2-59, Cl. 123—28.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Control device for internal combustion engines. 2,895,460, 7-21-59, Cl. 123—98.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Suspension system for maintaining the level of a vehicle frame. 2,895,745, 7-21-59, Cl. 280—124.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Indicator of engine conditions in motor vehicles. 2,896,195, 7-21-59, Cl. 340—213.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Automatic speed control device for automotive vehicles. 2,897,906, 8-4-59, Cl. 180—82.1.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Induction heating devices. 2,898,430, 8-4-59, Cl. 219—10.49.  
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Brueder, Antoine, to Societe Anonyme Andre Citroen. Power steering mechanism for motor vehicles. 2,906,247, 9-29-59, Cl. 121—41.  
Brueder, Antoine, to Societe Anonyme Andre Citroen. Brake system. 2,908,359, 10-13-59, Cl. 188—106.  
Bruggemann, Leslie T., to Allis-Chalmers Mfg. Co. Lubricant seal. 2,908,176, 10-13-59, Cl. 74—230.17.  
Brul, Per V., and C. E. Tegner. Sound absorber. 2,882,989, 4-21-59, Cl. 181—33.  
Brummner, Herman L. Wall panelling unit. 2,877,510, 3-17-59, Cl. 20—15.  
Bruestle, Armin O., and C. B. Krekeler, to The Cincinnati Mine Machinery Co. Socket-engaging cutter bits. 2,916,275, 12-8-59, Cl. 262—33.  
Bruestle, Carl O., to Sincro Machine Co. Caterpillar capstan. 2,884,120, 4-28-59, Cl. 203—227.  
Briet, Henri R., to Societe Anonyme dite: Etablissements Cazeneuve. Feeler mechanism for hydraulically operated coping machines. 2,903,232, 9-8-59, Cl. 251—3.  
Bruff, William V. H., to Elektrokemisk A/S. Arrangement for discharge of material from rotary kilns. 2,904,322, 9-15-59, Cl. 263—32.  
Brugger, Richard G., to Sperry Rand Corp. Auxiliary bearings for sensitive instruments. 2,915,902, 12-8-59, Cl. 74—5.  
Bruggmann, Albert, to Flawil Ludi & Cie. Metallwarenfabrik. Test tube closure, particularly for bacteriological purposes. 2,872,064, 2-3-59, Cl. 215—38.  
Brugidou, Gabriel. Single-pedal throttle and brake control device for automotive vehicles. 2,902,123, 9-1-59, Cl. 192—3.  
Bruggmann, William H., Jr.: See—  
Bartlett, Jeffrey H., Bruggmann, and Morway. 2,867,519.  
Bruggmann, William H., Jr., H. L. Yowell, and A. R. Kittleson, to Esso Research and Engineering Co. Defoliating with compounds containing the NSCC group. 2,875,030, 2-24-59, Cl. 71—2.5.  
Bruggmann, William H., Jr., A. J. Morway, and J. H. Bartlett, to Esso Research and Engineering Co. Herbicidal composition. 2,876,089, 3-3-59, Cl. 71—2.6.  
Bruggmann, William H., Jr., H. W. Rudel, and J. H. Bartlett, to Esso Research and Engineering Co. Defoliating cotton with isooctyl xanthoacetic acid. 2,903,348, 9-8-59, Cl. 71—2.1.  
Bruhn, Arne O. Film fastener for reels. 2,915,256, 12-1-59, Cl. 242—74.2.  
Bruhn, George J. Cam-closed, slidable jaw socket wrench. 2,884,826, 5-5-59, Cl. 81—128.  
Brulin, Pieter, to Shell Development Co. Epoxy ethers, their polymers and derivatives. 2,902,471, 9-1-59, Cl. 260—47.  
Brulin, Pieter, and H. A. Oosterhof, to Shell Development Co. Process for curing polyepoxides and resulting products. 2,904,531, 9-15-59, Cl. 260—47.  
Bruining, Hajo: See—  
Heljone, Leopold, Dorrestein, Bruining, and Schagen. 2,890,359.  
Bruining, Hajo, J. C. Francken, and P. Schagen, to North American Philips Co., Inc. Television pick-up tube. 2,869,024, 1-13-59, Cl. 315—10.  
Bruining, Hajo, P. F. A. Haans, P. P. M. Schampers, and A. J. de Rooy, to North American Philips Co., Inc. Method of manufacturing a radiation-sensitive device. 2,882,117, 4-14-59, Cl. 316—20.  
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Bieber, Harold H., Bruins, and Gregor. 2,884,387.



- Bruckardt, Robert W.: See—  
Harnish, Don P., and Bruckardt. 2,893,621.
- Brunker, John S., to The Texas Co. Drilling fluid. 2,871,189, 1-27-59, Cl. 252—8.5.
- Brunker, John S., and C. O. Walker, to The Texas Co. Drilling fluid. 2,868,726, 1-13-59, Cl. 252—8.5.
- Brule, Gerald J.: See—  
Porter, Leonard C., and Brule. 2,914,642.
- Brulle, Robert V. Translational propulsion pump. 2,896,545, 7-28-59, Cl. 103—143.
- Brumagin, Thomas H., to Ajax Flexible Coupling Co., Inc. Supports for mechanical vibrators. 2,894,397, 7-14-59, Cl. 74—61.
- Brumagin, Thomas H., to Ajax Flexible Coupling Co., Inc. Vibratory conveyors. 2,901,110, 8-25-59, Cl. 209—330.
- Brumbach, Robert E., to Samuel Moore & Co. Extruded tubing sheath. 2,916,055, 12-8-59, Cl. 138—87.
- Brumbaugh, Isaac V. Universal gas valve. 2,893,426, 7-7-59, Cl. 137—614.17.
- Brumbaugh, Joseph F., and A. H. Retzlaff, to United States of America. Air Force. Pulse forming circuit. 2,872,576, 2-3-59, Cl. 250—27.
- Brumbaugh, Robert M.: See—  
Schultheis, Eugene W., and Brumbaugh. 2,893,653.
- Brumby, Clarence P., and Brumbaugh. 2,904,275.
- Brumby, Clarence P. Weight controlled self lift elevator. 2,906,374, 9-29-59, Cl. 187—17.
- Brumfield, Richard S.: See—  
Shanty, Frank, and Brumfield. 2,910,979.
- Brumley, Corwin H., to Bausch & Lomb Optical Co. Photogrammetric projection apparatus. 2,901,941, 9-1-59, Cl. 88—24.
- Brummer, Olin. Free floating double end annular seal. 2,912,265, 11-10-59, Cl. 286—11.14.
- Brummer Steel Co.: See—  
Heimbuch, Elmer F. 2,868,562.
- Brunberg, Gunnar K., and A. K. Dietsch, to Telefonaktiebolaget L. M. Ericsson. Electric thermocontact. 2,871,307, 1-27-59, Cl. 179—184.
- Brunberg, Karl G.: See—  
Svala, Carl G., and Brunberg. 2,911,479.
- Brundage, Alan D., to Indiana Commercial Filters Corp. Hold-down assemblies for filter cartridges. 2,889,933, 6-9-59, Cl. 210—541.
- Brundage, Alfred H. Coffee making assembly. 2,869,759, 1-20-59, Cl. 222—48.
- Brundage Co., The: See—  
Austin, Harold A., 2,912,195.
- Austin, Harold A., and Waldo. 2,914,316.
- Brundage, James W. Tire shaping device. 2,880,454, 4-7-59, Cl. 18—2.
- Brundage, John H.: See—  
Polyzou, James, and Brundage. 2,906,873.
- Brundage, Robert W. Variable volume internal chamber type hydraulic pump. 2,898,862, 8-11-59, Cl. 103—120.
- Brundell, Per G., and K. E. A. Jonsson, to Soderhamns Verkstad A. B. Log handling arrangement for debarking machines. 2,893,453, 7-7-59, Cl. 144—242.
- Brundell, Per G., and K. E. A. Jonsson, to Soderhamns Verkstad Aktiebolag. Swingable debarking tools and mounting means for such tools of a rotary-rug-type debarker. 2,903,028, 9-8-59, Cl. 144—208.
- Brun de Saint Hippolyte, Georges, and R. G. Sconzac, to Sud Est Aviation Societe Nationale de Constructions Aeronautiques. Braking device for vehicles moving at high speed over natural ground. 2,868,334, 1-13-59, Cl. 188—6.
- Brüne, Herbert, and L. Koehn. Hollow stopper for bottles, tubes or the like or artificial material, preferably polyethylene. 2,872,060, 2-3-59, Cl. 215—47.
- Brunengraber, Mates. Indicating device. 2,903,807, 9-15-59, Cl. 40—114.
- Bruner, Abram D. Automatic traction device for vehicles. 2,886,138, 5-12-59, Cl. 188—4.
- Bruner, Harold E., to Monsanto Chemical Co. Chromic salts of dithiocarbamic acids. 2,909,546, 10-20-59, Cl. 260—438.
- Bruner, Henry K.: See—  
Rathmann, Heinrich W., Staggers, and Bruner. 2,909,427.
- Brunes, Bengt T. Method of firing steam generators with evaporated sulphite waste liquor. 2,893,333, 7-7-59, Cl. 100—1.
- Brunfeldt, Robert J., to Phillips Petroleum Co. Molding of void-free olefin polymers using pressure, vacuum and directional cooling. 2,911,678, 11-10-59, Cl. 18—26.
- Bruni, Gaetano: See—  
Notarbartolo, Luigi, di Belgiojoso, and Bruni. 2,883,733.
- Wegener, Harry, Bruni, Notarbartolo, and Muench. 2,877,495.
- Bruni, Joseph L.: See—  
Tagliaterra, Frank P., Bruni, and Grévey. 2,887,982.
- Brunicki, Daniel, to R. T. Moloney, deceased; American National Bank and Trust Co. of Chicago, executor of said R. T. Moloney. Relay with clamp-contact assembly. 2,896,045, 7-21-59, Cl. 200—87.
- Brunicki, Daniel, to Comar Electric Co. Relay switch rocker means. 2,903,781, 10-13-59, Cl. 200—87.
- Bruniche-Olsen, Henning A., J. C. Wright, F. B. Price, C. R. Steele, and H. F. Silver; said Bruniche-Olsen-asso; to Aktieselskabet de Danske Sukkerfabrikker, and said Wright, Price, Steele, and Silver, assors. to Silver Corp. Continuous diffuser. 2,885,311, 5-5-59, Cl. 127—45.
- Bruning, Charles, Co., Inc.: See—  
Robertson, Richard C. 2,906,189.
- Schulze, John J. 2,894,744.
- Brüning, Eberhard F., G. Domagk, and F. Mietzsch, to Farbenfabriken Bayer Akt. N-[anthraquinonyl-(1')]-2-aminoimidazolines. 2,888,379, 5-26-59, Cl. 167—33.
- Bruninghaus, Paul, to Rheum Rheinisches Werkzeug- und Metallwarenfabrik G.m.b.H. Process and device for sifting solid and liquid materials. 2,880,871, 4-7-59, Cl. 209—310.
- Brunings, Karl J.: See—  
Bavley, Abraham, Brunings, and Cameron. 2,876,156.
- Brunk, Willis O., to United States of America, Atomic Energy Commission. Calutron receiver. 2,906,876, 9-29-59, Cl. 250—41.9.
- Brünke, Fritz, deceased; by I. I. Brünke, nee Hecker, sole heir, to Licentia Patent-Verwaltungs G.m.b.H. Method of tempering selenium layers for selenium rectifiers and product. 2,885,309, 5-5-59, Cl. 117—200.
- Brünke, Ilse I.: See—  
Brünke, Fritz. 2,885,309.
- Brunkhorst, Wilhelm, E. Kern, and H. Baumann, to Badische Anilin- & Soda-Fabrik Akt. Dyeing of polyacrylonitrile and its copolymers. 2,906,588, 9-29-59, Cl. 8—55.
- Brunn, Eleanor B.: See—  
Brunn, Robert B. J. and E. B. 2,881,410.
- Brunn, Robert B. J., deceased; by E. B. Brunn, Executrix, to Hazeltine Research, Inc. Identity-indicating system for radio position locator. 2,881,410, 4-7-59, Cl. 340—164.
- Brunnemer, Howard D., and A. G. Mitchell. Handling and elevating device for positioning wall and ceiling board. 2,899,084, 8-11-59, Cl. 214—1.
- Brunner, Anton J.: See—  
Baluck, Francis M., Brunner, and Runge. 2,911,087.
- Brunner, Anton J., to Western Electric Co., Inc. Methods of and apparatus for grit blasting. 2,910,812, 11-3-59, Cl. 51—282.
- Brunner, Carl: See—  
Rypinski, Albert B., Smith, Brunner, and Laverty. 2,890,306.
- Brunner, Carl, to Murray Mfg. Corp. Two pole circuit breaker. 2,875,289, 2-24-59, Cl. 200—50.
- Brunner, Gottfried A. Bobbin holder. 2,873,930, 2-17-59, Cl. 242—130.2.
- Brunner, John J.: See—  
Mercer, John L., and Brunner. 2,919,317.
- Brunner, Maxine S.: See—  
Oates, Charles E., and Brunner. 2,871,657.
- Brunner, Richard J., to General Motors Corp. Carburetor idling mechanism. 2,867,422, 1-6-59, Cl. 261—23.
- Brunner, Sam. W. Display for book protectors. 2,901,103, 8-25-59, Cl. 206—80.
- Bruno, Anthony, and H. Galman. Expanded scale voltmeter. 2,873,428, 2-10-59, Cl. 324—131.
- Bruno, Anthony I. Salvage pontoon. 2,870,730, 1-27-59, Cl. 114—54.
- Bruno-New York Industries Corp.: See—  
Strauss, Irving. 2,884,210.
- Bruno, Salvatore J. Shower enclosure. 2,911,654, 11-10-59, Cl. 4—149.
- Brunot, James: See—  
Rostl, Arpad, and Brunot. 2,896,950.
- Bruns, Anton C.: See—  
Bruns, Cecil H. and A. C. 2,904,004.
- Bruns, Carl, Werkzeugfabrik G.m.b.H.: See—  
Korn, Robert. 2,917,103.
- Bruns, Cecil H. and A. C. Heated livestock fountain. 2,904,004, 9-15-59, Cl. 119—73.
- Bruns, Elton W., to Stamco, Inc. Uncoller with side shift control. 2,915,257, 12-1-59, Cl. 242—78.6.
- Bruns, Lloyd M. Radiator lift. 2,890,043, 6-9-59, Cl. 269—145.
- Bruns, William H., to Otis Elevator Co. Elevator control system. 2,867,292, 1-6-59, Cl. 187—29.
- Brunsdon, William E., R. E. Denzer, M. Olley, and R. Schilling, to General Motors Corp. Inflation control for air suspension. 2,908,508, 10-13-59, Cl. 280—124.
- Brunsing, Rex L. Can package. 2,903,128, 9-8-59, Cl. 206—65.
- Brunsing, Rex L. Holder for cans and multi-can package. 2,913,105, 11-17-59, Cl. 206—65.
- Brunsmann, Thomas G. Clog proof filter. 2,911,100, 11-3-59, Cl. 210—299.
- Brunson, Thayer R., to Rocky Mountain Metal Products Co. Orthodontic appliance holder. 2,883,749, 4-28-59, Cl. 32—66.
- Brunstrum, Lawrence C., to Standard Oil Co. Urea-dewaxing method for producing low cold-test oils using feed oil to decompose the formed adducts. 2,913,390, 11-17-59, Cl. 208—25.
- Brunsviga Maschinenwerke Aktiengesellschaft: See—  
Menge, Eberhard. 2,879,938.
- Neumann-Lezins, Hans. 2,915,244.
- Brunswick Automatic Pinsetter Corp., The: See—  
Huck, William F., Albrecht, and Sanford. 2,911,079.

- Brunswick-Balke-Collender Co., The: See—  
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- Margetta, Hyrum R. and L. F. 2,872,192.
- Margetta, Hyrum R. and L. F. 2,882,013.
- Montooth, George A. 2,892,632.
- Montooth, George A. 2,915,313.
- Sharp, John S. 2,876,909.
- Whipple, Jack V. H., and Odmark. 2,887,318.
- Brunswick, Charles H.: See—  
Curtis, Truman P., and Brunswick. 2,869,086.
- Brunton, Bernard. Moulding plastic material. 2,909,439, 10-20-59, Cl. 106—93.
- Brunton, Don L.,  $\frac{1}{2}$  to J. T. Weatherly,  $\frac{1}{2}$  to R. F. Bills,  $\frac{1}{2}$  to M. W. Grey, and  $\frac{1}{2}$  to F. P. Cawley. Spectacle hearing aid mounting. 2,915,598, 12-1-59, Cl. 179—107.
- Brunton, Veryl G.: See—  
Harty, Hershel A., Dailman, and Brunton. 2,878,926.
- Brusadelli, Giulio, to Developement Textile Societe Anonyme (Detesta). Rectilinear loom. 2,893,440, 7-7-59, Cl. 139—28.
- Bruscaglioni, Raffaello, to Filotecnica Salmorigli S.p.A. Dump level with automatic device for the horizontal setting of the axis of collimation. 2,890,616, 6-16-59, Cl. 88—23.
- Bruscaglioni, Raffaello, to Filotecnica Salmorigli S.p.A. Device for mounting graduated circles of theodolites. 2,916,826, 12-8-59, Cl. 33—46.
- Brush, Walton E.: See—  
Fraser, William M., and Brush. 2,871,150.
- Bruson, Herman A., and J. Rockett, to Olin Mathieson Chemical Corp. Organic acid and process therefor. 2,894,010, 7-7-59, Cl. 260—404.
- Brust, Harry F., to The Dow Chemical Co. Haloaryloxy lower alkyl ester of boric acid. 2,904,578, 9-15-59, Cl. 260—462.
- Brust, Leonard P. Article-handling device. 2,881,022, 4-7-59, Cl. 294—16.
- Brustman, Joseph A.: See—  
Nolde, George V., and Brustman. 2,918,656.
- Brutosky, Andrew J. Shank clamp for cultivator shovel. 2,878,080, 3-17-59, Cl. 306—1.6.
- Brutting, Ludwig, to M. Fuchs Metallwarenfabrik. Supporting stand for gyration toys. 2,908,108, 10-13-59, Cl. 46—66.
- Bryan, Chester L., and R. Gillis, to Western Electric Co., Inc. Cable stranding apparatus. 2,882,676, 4-21-59, Cl. 57—138.
- Bryan, Darrel L., to Pitman Mfg. Co. Hydraulic boom extension assembly. 2,886,005, 5-12-59, Cl. 121—38.
- Bryan, Harold E.: See—  
Lieb, Bernard L., Bryan, and Steinkamp. 2,895,087.
- Bryan, Hugh D., to Mead Johnson & Co. Stable encapsulated solution of a salt of a dialkyl sulfosuccinate. 2,870,060, 1-20-59, Cl. 167—56.
- Bryan, James S., to Philco Corp. Cathode ray tube systems utilizing secondary electron emission to generate indexing signals. 2,899,600, 8-11-59, Cl. 315—12.
- Bryan, James S., to Philco Corp. Apparatus for preventing distortion in plural beam cathode ray tubes. 2,907,908, 10-6-59, Cl. 313—84.
- Bryan, Jim O. Fish lure. 2,881,549, 4-14-59, Cl. 43—43.15.
- Bryan, Paul J., to E. I. du Pont de Nemours and Co. Blasting initiator. 2,887,054, 5-19-59, Cl. 102—28.
- Bryan, Robert C., Jr.: See—  
Montgomery, Charles W., and Bryan. 2,895,941.
- Bryan, Wilbur L.: See—  
Bartels, Charles R., Bryan, and Berk. 2,868,779.
- Bryan, William P.: See—  
De Ridder, Gysbert F., and Bryan. 2,895,895.
- Bryant, Austin U., to Walworth Co. Orifice fitting. 2,873,086, 2-10-59, Cl. 251—282.
- Bryant, Austin U., to Walworth Co. Valve construction. 2,882,009, 4-14-59, Cl. 251—172.
- Bryant, Austin U., to Walworth Co. Flow control valve. 2,882,010, 4-14-59, Cl. 251—306.
- Bryant, Austin U., to Walworth Co. Valve construction. 2,885,176, 5-5-59, Cl. 251—172.
- Bryant, Austin U., to Walworth Co. Valve construction. 2,889,134, 6-2-59, Cl. 251—172.
- Bryant, Austin U., to Walworth Co. Valve construction. 2,895,495, 7-21-59, Cl. 137—315.
- Bryant, Austin U., to Walworth Co. Valve body construction. 2,904,306, 9-15-59, Cl. 251—367.
- Bryant Chucking Grinder Co.: See—  
Lille, Gordon E. 2,895,264.
- Ljunggren, Thor H. 2,877,606.
- Maker, Paul. 2,897,638.
- Smith, Joseph E., Jr. 2,911,956.
- Bryant, Corwin W., to Crane Co. Auxiliary valve operating mechanism. 2,881,784, 4-14-59, Cl. 137—246.13.
- Bryant, Edmond V. Safety emblem. 2,880,535, 4-7-59, Cl. 40—125.
- Bryant, Edwin F., to Sunkist Growers, Inc. Polyuronic acid choline-metal salts. 2,871,236, 1-27-59, Cl. 260—209.
- Bryant Electric Co., The: See—  
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- Greninger, Elias G. 2,877,490.
- Smith, Clarence M. 2,890,265.
- Smith, Clarence M. 2,899,524.
- Smith, Clarence M., and Bromley. 2,915,736.
- Taylor, Owen L. 2,867,700.
- Taylor, Owen L. 2,881,279.
- Taylor, Owen L. 2,894,103.
- Taylor, Owen L. 2,896,051.
- Taylor, Owen L. 2,915,735.
- Taylor, Owen L., and Smith. 2,870,290.
- Bryant, Jack R.: See—  
McNaught, John P., and Bryant. 2,897,155.
- Bryant, James G. Corn sheller having an aspirator conduit. 2,898,921, 8-11-59, Cl. 130—6.
- Bryant, James L., to Ross Engineering of Canada Ltd. Vapor confining air curtain for paper machines. 2,908,212, 10-13-59, Cl. 98—36.
- Bryant, John H.: See—  
Wing, Arthur K., Jr., and Bryant. 2,894,168.
- Bryant, John H., A. G. Pelter, and R. W. Wilmarth, to International Telephone and Telegraph Corp. R-F coupling arrangements for traveling wave tubes. 2,894,227, 7-7-59, Cl. 333—97.
- Bryant, John J. Rotary wiper. 2,884,656, 5-5-59, Cl. 15—250.
- Bryant, John M.: See—  
Cunningham, George L., Bryant, and Gause. 2,874,024.
- Bryant, Lanell: See—  
Lehman, John F. 2,908,047.
- Bryant, Louis D., to Columbia-Southern Chemical Corp. Fertilizer composition containing calcium silicate. 2,903,349, 9-8-59, Cl. 71—62.
- Bryant, Waldo G., to The Bead Chain Mfg. Co. Curtain. 2,884,054, 4-28-59, Cl. 160—332.
- Bryce Berger Ltd.: See—  
Emerson, Reginald S. 2,898,100.
- Emerson, Reginald S. 2,905,457.
- Bryce, Robert C., and F. Kahn. Temperature control system for a storage water heater. 2,913,182, 11-17-59, Cl. 236—21.
- Bryden, Joseph E., to The General Electric Co. Ltd. Frequency control of electric oscillation generators. 2,877,349, 3-10-59, Cl. 250—36.
- Bryden, Joseph E., to The General Electric Co. Ltd. Scatter radiation communication system using bursts of radio frequency energy. 2,895,128, 7-14-59, Cl. 343—203.
- Bryden, Joseph E., F. C. Flint, H. D. Hyamson, and G. F. Small, to The General Electric Co. Ltd. Frequency control system. 2,882,401, 4-14-59, Cl. 250—36.
- Bryen, Thomas T. Method and apparatus for treating gas-filled tubes. 2,884,298, 4-28-59, Cl. 316—2.
- Bryer, Morris: See—  
Harris, Norman, and Bryer. 2,903,963.
- Bryner, Fred: See—  
Dietzler, Andrew J., and Bryner. 2,872,489.
- Bryner, Joseph S., to United States of America, Atomic Energy Commission. Formation of intermetallic compound dispersions. 2,915,445, 12-1-59, Cl. 204—154.2.
- Brzowski, Harry S. Container clamp for liquid mixing apparatus. 2,894,309, 7-14-59, Cl. 24—263.
- Brzowski, Witold B. Vaporizing type oil burner. 2,867,270, 1-6-59, Cl. 255—76.
- Bub, Robert A.: See—  
Evans, Robert B., and Bub. 2,911,064.
- Bub, Robert A., and J. J. Summers, to Mine Safety Appliances Co. Hose stiffener. 2,881,804, 4-14-59, Cl. 138—61.
- Bubar, Julia G. Holder for steel wool or the like. 2,888,699, 6-2-59, Cl. 15—209.
- Bube, Richard H., and S. M. Thomsen, to Radio Corp. of America. Single crystal photoconducting photocells and methods of preparation thereof. 2,916,678, 12-8-59, Cl. 317—237.
- Bubel, William E.: See—  
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- Bubniak, William C., to General Motors Corp. Regenerator and seal therefor. 2,893,699, 7-7-59, Cl. 257—6.
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- Buccasio, Nicholas A. Hose holder for a vacuum cleaner. 2,913,755, 11-24-59, Cl. 15—323.
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- Bucci, James A.: See—  
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- Buchanan, David L., to The Budd Co. Compartment enclosure structure. 2,882,835, 4-21-59, Cl. 105-314.
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- Buchanan, Leslie B. M., to Westinghouse Electric Corp. Door operator. 2,910,290, 10-27-59, Cl. 268-65.
- Buchanan, Robert A. Sequence indicator. 2,903,685, 9-8-59, Cl. 340-334.
- Bucheimer, George R., and A. J. Kippen. Holsters. 2,917,213, 12-15-59, Cl. 224-2.
- Buchele, Wesley F. Method of threshing grain. 2,906,270, 9-29-59, Cl. 130-27.
- Buchen, Joseph C., to Leslie Salt Co. Sifter device and means for attaching sifter and other plastic members to flat sheet members or cartons. 2,916,191, 12-8-59, Cl. 222-555.
- Buchhold, Theodor A., to Sperry Rand Corp. Ford Instrument Co. Division. Magnetic amplifier. 2,897,296, 7-28-59, Cl. 179-171.
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- Büchi, Alfred. Impeller for centrifugal blowers or pumps. 2,908,223, 10-13-59, Cl. 103-115.
- Büchi, Alfred J. Turbo-compressor rotor assemblies. 2,912,155, 11-10-59, Cl. 230-116.
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- Buchler, Joseph. Device for fractionated extraction using more than two solvents. 2,903,342, 9-8-59, Cl. 23-270.5.
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- Buck, Cecil S., to Adolph Coors Co. Packaging machine. 2,917,882, 12-22-59, Cl. 53-159.
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- Buck, Henry M.: See—
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- Leighton, Charles R., and Buck. 2,916,863.
- Buck, James R., to Becton, Dickinson and Co. Medical assembly and unit for liquid transfer. 2,893,395, 7-7-59, Cl. 128-340.
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- Rogers, Linwood N., Heath, Guttliph, and Hlett. 2,878,118.
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- Lemon, Ralph B., and Buckham. 2,872,296.
- Buckholdt, Robert E., to E. H. Kendall. Burn-in attachment for maintaining rotary furnace hearths. 2,879,051, 3-24-59, Cl. 263-28.
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- Merickel, George M., Buckhout, and Moser. 2,906,531.
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- Buckingham, John S., to United States of America, Atomic Energy Commission. Preparation of uranium trioxide. 2,903,334, 9-8-59, Cl. 23-14.5.

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- Buckley, Gloria C.: See—
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- Buzenka, Joseph. 2,888,153.
- Bushanan David L. 2,882,835.
- Dean, Robert P. 2,905,123.
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- Herbert, Thomas M. 2,904,961.
- Lindsay, Alexander R. 2,901,266.
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- Budd, Larry J., to Pallet Devices, Inc. Apparatus handling structure. 2,914,232, 11-24-59, Cl. 229-14.
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- Budney, Henry S.: See—
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- Glover, William S., West, Roush, and Budzilek. 2,917,197.
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- Bueche, Arthur M.: See—
- Lawton, Elliott J., and Bueche. 2,906,678.
- Bueche, Arthur M., to General Electric Co. Process for curing organopolysiloxanes with a hydrophobic silica and product thereof. 2,914,502, 11-24-59, Cl. 260-37.
- Bueche, Walter. Method and apparatus for the fractional distillation of multicomponent mixtures. 2,890,155, 6-9-59, Cl. 202-64.
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- Buechler, Paul W. Composite salad bowl. 2,906,427, 9-29-59, Cl. 220-23.83.
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- Buechting, Earl. Pipe positioning tools. 2,919,108, 12-29-59, Cl. 254-139.1.
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- Buehrle, John V.: See—
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- Kreutner, Joseph W. 2,880,743.
- Kreutner, Joseph W. 2,880,752.
- Kreutner, Joseph W. 2,906,287.
- Buerger, Georg: See—
- Wise, Lester V., Mann, and Buerger. 2,895,612.
- Buerger, Rodney G., and J. K. Hovind, to The National Gypsum Co. Laminated gypsum core-board. 2,884,779, 5-5-59, Cl. 72-16.
- Buff, Bern F., to National Zinc Co., Inc. Ore cooling apparatus. 2,891,320, 6-23-59, Cl. 34-57.
- Buffalo Brake Beam Co.: See—
- Busch, Charles R. 2,869,683.
- Busch, Charles R. 2,869,688.
- Waterfall, Robert W. 2,894,375.
- Werder, Ernest A. 2,890,716.
- Werder, Ernest A. 2,890,717.
- Buffalo Eye-Bank and Research Society Inc.: See—
- Albrecht, Joseph A. 2,880,856.
- Buffalo Forge Co.: See—
- Jorgensen, Robert. 2,884,228.
- Buffalow, Oscar T. Body relaxing lounge chair. 2,884,923, 5-5-59, Cl. 128-57.
- Buffet, Jean, and J. Meriaux, to Comptoir Industriel d'Etrilage et Profilage de Metaux. Lubrication in the hot extrusion of metals. 2,893,555, 7-7-59, Cl. 207-10.
- Buffington, Malcolm R., to Minnesota Mining and Mfg. Co. Process for creaming perfluorohalocarbon polymers with alginate creaming agents and composition resulting therefrom. 2,878,196, 3-17-59, Cl. 260-17.4.
- Bugbee & Niles Co.: See—
- Chisholm, Alpin. 2,871,556.
- Bugbee, Stuart J., V. F. Hanson, and D. F. Babcock, to United States of America, Atomic Energy Commission. Reactor monitoring. 2,872,400, 2-3-59, Cl. 204-193.2.
- Bugbee, Wallace F.: See—
- Baer, Charles A., Bugbee, and Clough. 2,887,419.
- Bugbee, Wallace F., and R. M. Boehme, to National Research Corp. Vaporized metal coating apparatus. 2,879,739, 3-31-59, Cl. 118-49.
- Bugbee, Wallace F., and P. J. Clough, to National Research Corp. Process for producing aluminum-coated black iron strip. 2,906,641, 9-29-59, Cl. 117-50.
- Bugbird, Herbert C. Apparatus for cleaning leaves from high gutters. 2,896,239, 7-28-59, Cl. 15-144.
- Bugel, Roelof D., to North American Phillips Co., Inc. Miniature electrolytic capacitors. 2,885,607, 5-5-59, Cl. 317-230.
- Bugel, Thomas E.: See—
- Mazzucchelli, Arthur P., Bugel, and Rosenthal. 2,909,752.
- Bugg, Kenly C., to Kendrick Mfg. Co., Inc. Coll constructions. 2,872,652, 2-3-59, Cl. 336-180.
- Bugg, Kenly C., to Kendrick Mfg. Co., Inc. Electrical transformers. 2,885,646, 5-5-59, Cl. 336-221.
- Bugg, Kenly C., to Kendrick Mfg. Co., Inc. Precision potentiometer. 2,886,680, 5-12-59, Cl. 201-48.
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- Bugg, Kenly C., to Kendrick Mfg. Co., Inc. Casing for variable impedance electrical component. 2,915,727, 12-1-59, Cl. 338-184.
- Bugge, Erling P. Safety-lock door chain. 2,867,468, 1-6-59, Cl. 292-264.
- Bugge, Erling P. Fish lure. 2,907,131, 10-6-59, Cl. 43-42.22.
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- Bugosh, John, to E. I. du Pont de Nemours and Co. Felted products and processes containing fibrous boehmite. 2,917,426, 12-15-59, Cl. 162-143.
- Buhler, Walter C., to United States of America, Navy. Toroidal airfoil parachute. 2,898,061, 8-4-59, Cl. 244-145.
- Buhr, August G., to Allis-Chalmers Mfg. Co. Grain drill dual feed boot structure with separating device. 2,869,489, 1-20-59, Cl. 111-80.
- Buhr, Erich, and P. Wellner. Polishing apparatus. 2,897,633, 8-4-59, Cl. 51-7.
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- Zajac, Michael, and Wisniewski. 2,905,015.
- Bühren, Walter: See—
- Buchmann, Walter, and Bühren. 2,869,246.
- Buhndorf, Frederick G., to Bell Telephone Laboratories, Inc. Magnetic storage circuit. 2,882,518, 4-14-59, Cl. 340-174.
- Buhndorf, Frederick G., to Bell Telephone Laboratories, Inc. Clutch for driving apparatus. 2,909,257, 10-20-59, Cl. 192-105.
- Bührer, Erwin. Attachment for moulding machines with mechanically driven intermittently rotating turntable. 2,869,193, 1-20-59, Cl. 22-21.
- Bührer, Erwin. System for producing moulds of foundry machinery with two or more mould forming stations. 2,873,490, 2-17-59, Cl. 22-21.
- Bührer, Erwin. Moulding machine for the jolting, squeezing or simultaneous jolting and squeezing of moulds. 2,892,223, 6-30-59, Cl. 22-43.
- Buhrer, Erwin. Foundry mold with sectional match plates of different sizes. 2,894,299, 7-14-59, Cl. 22-157.
- Buhrer, Erwin. System for discharging stacked granular material. 2,902,189, 9-1-59, Cl. 222-199.
- Bührer, Erwin, and W. Goetz. Process and means for casting system for operating pouring ladles. 2,892,225, 6-30-59, Cl. 22-82.
- Buie, James L., to Hoffman Electronics Corp. Temperature-compensated direct current transistor amplifier. 2,867,695, 1-6-59, Cl. 179-171.
- Buie, James L., and G. H. De Witz, to Hoffman Electronics Corp. Telemetering apparatus. 2,919,437, 12-29-59, Cl. 340-208.
- Builders Equipment Co.: See—
- Thomas, Paul M. 2,869,737.
- Thomas, Paul M. 2,902,182.
- Thomas, Paul M., and Wright. 2,896,800.
- Bullison, Pierre. System for measuring small displacements of a body along three co-ordinate axes. 2,892,152, 6-23-59, Cl. 324-61.
- Bujan, Albert F., to Abbott Laboratories. Closure. 2,908,274, 10-13-59, Cl. 128-272.
- Buker, Edward, to Coach & Car Equipment Co. Horizontal line strainer. 2,915,188, 12-1-59, Cl. 210-447.
- Bukosky, James R.: See—
- Nordquist, Richard A., Miller, Bukosky, and Lindgren. 2,889,450.
- Nordquist, Richard A., Miller, Bukosky, and Lindgren. 2,898,685.
- Bulan, Edward P.: See—
- Saubestre, Edward B., and Bulan. 2,900,313.
- Bulan, Edward P., to Sylvania Electric Products Inc. Etchant. 2,872,302, 2-3-59, Cl. 41-42.
- Bulatkin, Illya F., to Crown Cork & Seal Co., Inc. Method of sanitizing carbonated beverage bottle fillers. 2,916,406, 12-8-59, Cl. 134-22.
- Buley, Theodore L.: See—
- Beattie, Horace S., Buley, and Muenzer. 2,919,005.
- Bull, Almond D. Soil coring apparatus. 2,868,019, 1-13-59, Cl. 73-421.
- Bull, Almond D. Coring tube cleaner. 2,881,933, 4-14-59, Cl. 214-310.
- Bull, Douglas T., and A. A. Lobanoff, to General Motors Corp. Grommets, bushings and the like. 2,897,533, 8-4-59, Cl. 16-2.
- Bull, Glen C. Corrosion inhibiting method and apparatus. 2,914,377, 11-24-59, Cl. 21-2.5.
- Bull, Glen C., L. C. Marlen, E. R. Sabel, to Haloid Xerox Inc. Photographic material conveying apparatus. 2,913,973, 11-24-59, Cl. 95-94.
- Bull, Harry W., and W. A. Finkle, to The Dow Chemical Co. Lubrication of synthetic cellulose fibers. 2,872,356, 2-3-59, Cl. 117-139.5.
- Bull, Leslie F.: See—
- Davies, Drury N., and Bull. 2,873,226.

- Bull, Lucile S.: See—
- Williams, Betty R., and Bull. 2,880,950.
- Bull, Willard C., J. H. Cain, R. J. Spomer, H. L. Finkbeiner, Jr., and R. W. Hill, to Spencer Chemical Co. Diphenylzinc-titanium tetrachloride polymerization initiator and process. 2,911,399, 11-3-59, Cl. 260-93.7.
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- Bullard, Arthur M.: See—
- Arrington, Bradford L., and Bullard. 2,897,829.
- Bullard Co., The: See—
- Bullard, Edward C., and Grinage. 2,890,298.
- Etter, James E. 2,893,280.
- Grinage, Claude M. 2,887,268.
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- Lomazko, Edmund J. 2,900,860.
- Zeletzky, Franz A., and Phillips. 2,900,843.
- Bullard, E. D., Co.: See—
- Evans, Charles S. 2,878,477.
- Ruggiero, Alfred J. 2,895,136.
- Ruggiero, Alfred J. 2,904,790.
- Bullard, Edward C., and C. M. Grinage, to The Bullard Co. Pendant switch. 2,890,298, 6-9-59, Cl. 200-18.
- Bullard, Edward P., III, to United Aircraft Corp. Indexing units. 2,916,950, 12-15-59, Cl. 74-821.
- Bullard, George P. Cooling means for vehicle motors. 2,867,996, 1-13-59, Cl. 62-243.
- Bullard, Richard L., and K. D. Erdman, to Standard Coil Products Co., Inc. Sweep generator having electromagnetically driven tuning element. 2,913,674, 11-17-59, Cl. 331-175.
- Buller, Charles W. Fish hook disgorgers. 2,897,626, 8-4-59, Cl. 43-53.5.
- Bullinger, Eugen: See—
- Binder, Hans, and Bullinger. 2,877,262.
- Bullinger, Henry W.: See—
- Matthysse, Irving F., and Bullinger. 2,903,539.
- Bullock, Austin L., W. A. Reeves, and J. D. Guthrie, to United States of America, Agriculture. Methylol-phosphorus modified epoxy resins. 2,916,473, 12-8-59, Cl. 260-47.
- Bullock, Earle C., to Steelcase, Inc. Anchor bar means for joining metal furniture tops. 2,906,574, 9-29-59, Cl. 311-4.
- Bullock, Edwin I. Folding table with spring lock. 2,879,119, 3-24-59, Cl. 311-87.
- Bullock, Mark W., and J. B. Sainton, to Continental Electronics Mfg. Co. Modulator-regulator circuit. 2,918,631, 12-22-59, Cl. 332-64.
- Bullock, Milton W., to American Cyanamid Co. Process for the preparation of ditriacyclopentylaliphatic acids. 2,872,455, 2-3-59, Cl. 260-327.
- Bullock, Milton W., to American Cyanamid Co. Octanoic acid esters and method of preparing the same. 2,894,965, 7-14-59, Cl. 260-408.
- Bullock, Milton W., and J. J. Hand, to American Cyanamid Co. Process of preparing 2-oxoadipic acid. 2,883,420, 4-21-59, Cl. 260-483.
- Bullock, Milton W., and J. J. Hand, to American Cyanamid Co. Pyrolysis of substituted carbonyloxyalkyl halides. 2,901,566, 8-25-59, Cl. 260-488.
- Bullock, Norman J.: See—
- Geyer, Howard M., Bullock, and Light. 2,879,746.
- Bullock, Oakley P. Automobile air cooler. Re. 24,745, 12-8-59, Cl. 62-236.
- Bulloff, Jack J.: See—
- Novak, Leo J., and Bulloff. 2,905,711.
- Sohnen, Louis C., and Bulloff. 2,913,418.
- Bulloff, Jack J., to Interstate Sanitation Co., Inc. Porous containers for thickened air odor control liquids. 2,871,526, 2-3-59, Cl. 21-108.
- Bulloff, Jack J., to The Commonwealth Engineering Co. of Ohio. Process of cleaning and coating aluminum. 2,898,230, 8-4-59, Cl. 117-50.
- Bulloff, Jack J., to The Commonwealth Engineering Co. of Ohio. Metal dieny gas plating. 2,898,235, 8-4-59, Cl. 117-107.
- Bulloff, Jack J., to Interstate Sanitation Co., Inc. Air odor control liquids. 2,905,591, 9-22-59, Cl. 167-94.
- Bulman Corp., The: See—
- Greenman, Orval L. 2,910,740.
- Bulman, E. O. Mfg. Co., Inc. The: See—
- Waltz, Edward. 2,878,980.
- Bulman, George P.: See—
- Halford, Frank B., Cleaver, and Preece. 2,887,456.
- Halford, Frank B., and Shell. 2,880,577.
- Bulman, Norman: See—
- Francis, Charles E., and Bulman. 2,894,910.
- Bulone, Joseph D., to General Motors Corp. Ice block releasing and storing unit. 2,916,895, 12-15-59, Cl. 69-344.
- Bulova, Arde, D. H. Anderson, and M. D. Schleifer, to Bulova Watch Co., Inc. Electric shavers with means tensioning the grill arcuately. 2,890,522, 6-16-59, Cl. 30-43.
- Bulova, Arde, and C. Punzmann, to Bulova Watch Co., Inc. Electric shavers having blade guiding means. 2,890,523, 6-16-59, Cl. 30-43.
- Bulova Research and Development Laboratories, Inc.: See—
- Fischer, Franz, and Viasmensky. 2,909,978.
- Fischer, Franz L., and Wernli. 2,871,706.
- Goddard, George W. 2,895,393.
- Hirsh, Stanley A. 2,906,235.
- Wise, Lester V., Mann, and Buerger. 2,895,612.
- Bulova Watch Co., Inc.: See—
- Bulova, Arde, Anderson, and Schleifer. 2,890,522.
- Bulova, Arde, and Punzmann. 2,890,523.
- Fachon, Emil E. 2,871,654.
- Hetzl, Max. 2,888,582.
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- Schleifer, Morton D. 2,903,789.
- Schlenker, Arthur. 2,913,569.
- Bulow, Carl L., to Bridgeport Brass Co. Anti-biofouling copper-base alloy. 2,887,374, 5-19-59, Cl. 75-157.
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- Buman, Donald W.: See—
- Buman, Ralph G., D. W., and J. J. 2,877,057.
- Buman, Joseph J.: See—
- Buman, Ralph G., D. W., and J. J. 2,877,057.
- Buman, Ralph G., D. W., and J. J. Ensilage loader. 2,877,057, 3-10-59, Cl. 302-56.
- Bunce, Dean S., to Perfect Circle Corp. Valve stem seal. 2,906,255, 9-29-59, Cl. 123-188.
- Bunch, Tillman T., to Western Electric Co., Inc. Strand reeling apparatus. 2,868,468, 1-13-59, Cl. 242-25.
- Bunch, Tillman T., to Western Electric Co., Inc. Article handling apparatus. 2,899,142, 8-11-59, Cl. 242-25.
- Bunch, Tillman T., to Western Electric Co., Inc. Apparatus for automatically balancing rotating masses. 2,902,883, 9-8-59, Cl. 74-373.
- Bunch, Tillman T., to Western Electric Co., Inc. Apparatus for wrapping strand material helically about an advancing core. 2,910,822, 11-3-59, Cl. 57-18.
- Bunch, Tillman T., to Western Electric Co., Inc. Strand twisting apparatus. 2,910,823, 11-3-59, Cl. 57-58.52.
- Bunder-Glas G.m.b.H.: See—
- Hennings, Werner. 2,889,951.
- Bundsuh, Harry H. Raised doughnut making machine. 2,905,110, 9-22-59, Cl. 107-14.
- Bundy Tubing Co.: See—
- Etzler, Elmer E. 2,897,805.
- Knox, David R., and Gondek. 2,876,823.
- Knox, David R., and Gondek. 2,918,100.
- Bundy, Willard S., to Barium and Chemicals, Inc. Liquefaction of antimony sulfide. 2,890,102, 6-9-59, Cl. 23-136.
- Bungardt, Karl: See—
- Becker, Gottfried, Bungardt, and Lange. 2,875,112.
- Bungardt, Walter, to New Process Metals, Inc. Pyrophoric filts. 2,908,071, 10-13-59, Cl. 29-191.4.
- Bunzay, George W., to Electrographic Corp. Backing electrotypes. 2,909,818, 10-27-59, Cl. 22-58.
- Bunge, Otto: See—
- Schurich, Herbert, and Bunge. 2,904,978.
- Bunge, Wilhelm: See—
- Nischk, Günther, Bunge, and Bayer. 2,868,739.
- Wills, Hugo, Bayer, and Bunge. 2,904,532.
- Bunge, Wilhelm, K.-H. Mielke, and F. Möller, to Farbenfabriken Bayer Akt. New composition of matter and process for producing same. 2,886,555, 5-12-59, Cl. 260-63.
- Bünker, August: See—
- Heimberger, Helmut, and Bünker. 2,888,727.
- Bunger, Dennen J., and H. Troeger, to Bendix Aviation Corp. Starter jaw advancing mechanism. 2,882,734, 4-21-59, Cl. 74-7.
- Bungeroth, Adolf, K. G. Speith, and H. Schrewe, to Mannesmann Akt. Continuous casting plants. 2,895,190, 7-21-59, Cl. 22-57.2.
- Buningham, Welbert C.: See—
- Ten Have, Cornells D., Buningham, Le Nobel, Pieters, and Lower. 2,893,954.
- Bunn, B. H. Co.: See—
- Bunn, Benjamin H. 2,873,664.
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- Bunn, Benjamin H., to B. H. Bunn Co. Bundle tying machine. 2,873,664, 2-17-59, Cl. 100-27.
- Bunn, Benjamin H., to B. H. Bunn Co. Tying machine. 2,898,847, 8-11-59, Cl. 100-4.
- Bunnell, Earl C., to The Baird Machine Co. Apparatus for forming threads in sheet metal shells. 2,908,318, 10-13-59, Cl. 153-72.
- Bunnell, Raymond H.: See—
- Bauernfeld, Jacob C., and Bunnell. 2,916,385.
- Bunnell, William S., to Boyar-Schultz Corp. Deep drilling attachment. 2,869,402, 1-20-59, Cl. 77-32.3.
- Bunnelle, Philip R.: See—
- Allen, James R., Kress, and Bunnelle. 2,892,312.
- Bunte, Joseph H. Travel case for shoes. 2,874,813, 2-24-59, Cl. 190-51.
- Buntenbach, Rudolph W., to United States of America, Atomic Energy Commission. High-speed multiple-exposure photographic apparatus. 2,871,400, 1-27-59, Cl. 315-10.
- Buntenbach, Rudolph W., to United States of America, Atomic Energy Commission. Electric pulse generator. 2,889,465, 6-2-59, Cl. 250-217.
- Buntenbach, Rudolph W., to Vitro Corp. of America. Frequency measuring and display system. 2,919,403, 12-29-59, Cl. 324-79.



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Bunting Co., Inc.: See—  
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Marble, Harold A., and Burbey. 2,884,048.

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Burch, Archie E. Hitch for an agricultural tool. 2,898,125, 8-4-59, Cl. 250-447.

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Burdick, Glenn A., to Sylvania Electric Products Inc. Method and apparatus for controlling electron beams. 2,898,493, 8-4-59, Cl. 313-77.

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Burgardt, Lothar: See—  
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Burger, Albert. Tape dispensers. 2,891,691, 6-23-59, Cl. 216-33.

Burger, Alfred, to Virginia-Carolina Chemical Corp. Dialkylaminoalkyl esters of phosphonic acid and method of preparing same. 2,917,533, 12-15-59, Cl. 260-461.

Burger Elsenwerke G.m.b.H.: See—  
Jung, Anton L. 2,906,620.

Burger, Erich: See—  
Burger, Michael and E. 2,894,439.

Burger, Erich. Photographic lens shutter. 2,900,888, 8-25-59, Cl. 95-63.

Burger, Gustav F., to Radio Corp. of America. Pressure-tight seal. 2,885,227, 5-5-59, Cl. 286-1.

Burger, Herbert. Trailer with steerable tandem axles. 2,869,888, 1-20-59, Cl. 280-81.

Burger, John C.: See—  
Morawitz, John H., and Burger. 2,882,349.

Burger, Joseph. Method of making a cast preparatory to making a shoe. 2,907,067, 10-6-59, Cl. 18-5.1.

Burger, Le Roy, Jr. to Gadget-Of-The-Month Club, Inc. Adjustable drafting sectioning instrument. 2,879,597, 3-31-59, Cl. 33-81.

Burger, Michael and E. Tractive indicator for automatic aperture controllers. 2,894,439, 7-14-59, Cl. 95-64.

Burger, Mikulas, K. Beran, and Z. Fencel. Process for utilizing mycelium waste from the production of citric acid and for the saccharification of amylaceous raw material. 2,890,988, 6-16-59, Cl. 195-67.

Burgert, Bill E., and H. Tolkmith, to The Dow Chemical Co. Phosphonate compounds. 2,870,190, 1-20-59, Cl. 260-461.

Burgert, Frederick L., to Ideal Pleating Co. Sewing and trimming mechanism. 2,917,013, 12-15-59, Cl. 112-127.

Burgert, Harold E. Small percentages to various assignees. Meat tester. 2,916,915, 12-15-59, Cl. 73-332.

Burgert, Herbert A., to I G M A A. G. Spring frame for the upholstery of seats and/or back rests more particularly for the seats in motor vehicles. 2,877,831, 3-17-59, Cl. 155-179.

Burgess, Arthur A., Jr.: See—  
Jones, Herbert O., and Burgess. 2,911,816.

Burgess, Bernard L. Tool for supporting and upsetting rivets. 2,899,852, 8-18-59, Cl. 78-53.5.

Burgess Cellulose Co.: See—  
Eichmeyer, Russell R. 2,918,309.

Burgess, Charles R., deceased: The Royal Trust Co., and E. K. and R. E. Burgess, executors. Ignition safety system cut-out switch. 2,868,309, 1-13-59, Cl. 180-82.

Burgess, Charles R., deceased: The Royal Trust Co., E. K. and R. E. Burgess, executors of said C. R. Burgess. Collision safety switch. 2,872,495, 2-3-59, Cl. 123-146.5.

Burgess, Cyril A., to British Telecommunications Research Ltd. Bridge networks. 2,880,396, 3-31-59, Cl. 333-11.

Burgess, Edward G., Jr.: See—  
Newell, William H., Burgess, Zabb, and Frangoulla. 2,888,195.  
Newell, William H., Burgess, Zabb, and Frangoulla. 2,888,203.

Burgess, Edward S. Coaxial cable switch. 2,897,313, 7-28-59, Cl. 200-87.

Burgess, Elizabeth K.: See—  
Burgess, Charles R. 2,868,309.  
Burgess, Charles R. 2,872,495.

Burgess, Emory C. Roll-carrying typewriter attachment. 2,908,371, 10-13-59, Cl. 197-133.

Burgess, Leslie G., and W. H. Gee, to General Motors Corp. Silencer for pulsating gaseous currents. 2,902,109, 9-1-59, Cl. 181-53.

Burgess, Leslie M. Evaporative cooling system. 2,913,883, 11-24-59, Cl. 62-121.

Burgess, Louis: See—  
Tour, Sam. 2,907,637.

Burgess, Louis, deceased: S. Tour, M. Burgess, and E. B. Beltler, executors. Process of producing carbides. 2,869,990, 1-20-59, Cl. 23-208.

Burgess, Louis, deceased: M. Burgess and E. B. Beltler, executors, to S. Tour and himself. Process of winning elemental phosphorus. 2,897,057, 7-28-59, Cl. 23-223.

Burgess-Manning Co.: See—  
Baran, Joseph G. 2,887,564.  
Baran, Joseph G. 2,887,565.  
Melas, Adalbert. 2,876,740.  
Melas, Adalbert. 2,877,336.

Burgess, Murray: See—  
Burgess, Louis. 2,869,990.  
Burgess, Louis. 2,897,057.  
Tour, Sam. 2,907,637.

Burgess Products Co. Ltd.: See—  
Holden, Brian A. 2,898,428.

Burgess, Ralph E.: See—  
Burgess, Charles R. 2,868,309.  
Burgess, Charles R. 2,872,495.

Burgess, Robert W., C. G. Baehr, and C. Currello, to The Greist Mfg. Co. Decorative stitchers. 2,907,290, 10-6-59, Cl. 112-160.

Burgess, Thomas J., and F. G. Ridgers, to N. Slater Co. Ltd. Hangers for transmission cables. 2,879,963, 3-31-59, Cl. 248-63.

Burgess-Manning Co.: See—  
Hoyle, Robert L. 2,912,062.

Burgett, Monte L., Jr., to Philco Corp. Multiple-signal modulation system. 2,908,749, 10-13-59, Cl. 178-5.4.

Burgher, Maurice W., to Bendix Aviation Corp. Electrical apparatus. 2,913,696, 11-17-59, Cl. 339-26.

Burkin, Albert E. Toy for simulating the ejection of a pilot parachuting from a jet airship. 2,878,615, 3-24-59, Cl. 46-86.

Burkin, Kermit H. Two piece garage door. 2,893,482, 7-7-59, Cl. 160-191.

Burgiss, Walter F., to Chatham Mfg. Co. Stop motion system for looms and the like. 2,906,298, 9-29-59, Cl. 139-353.

Burgman, Leo C. Track pin and bushing seal. 2,906,562, 9-29-59, Cl. 305-10.

Burgmer, Josef. Apparatus for the assembly and finishing of sets of duplicating forms. 2,869,864, 1-20-59, Cl. 270-52.

Burgen, George A.: See—  
Mitchell, Curtis C., and Burgen. 2,915,919.

Burgen, William J., and P. Zenczak. Process of separating a crude composition obtained from bark into its component parts. 2,880,216, 3-31-59, Cl. 260-397.25.

Burgen, William J., and P. Zenczak. Methods of processing and refining crude chemical fractions obtained from bark. 2,891,046, 6-16-59, Cl. 260-124.

Burgoyne, Harris G. Machine for dispensing beverages. 2,878,968, 3-24-59, Cl. 222-129.1.

Burgus, Warren H., to United States of America, Atomic Energy Commission. Recovery of cesium from waste solutions. 2,892,680, 6-30-59, Cl. 23-25.

Burgy, Raymond A.: See—  
Borden, Joseph H., and Burgy. 2,875,853.  
Borden, Joseph H., and Burgy. 2,889,010.

Burhans, Ralph W., to The Standard Oil Co. Fuel testing apparatus. 2,888,822, 6-2-59, Cl. 73-35.

Burl, Alfred, to Sulzer Freres, Societe Anonyme. Forced flow steam generating system. 2,881,741, 4-14-59, Cl. 122-33.

Burl, Alfred, to Sulzer Freres, Societe Anonyme. Steam power plant. 2,884,760, 5-5-59, Cl. 60-73.

Burl, Alfred, to Sulzer Freres S. A. Steam power plant having a forced flow steam generator. 2,900,792, 8-25-59, Cl. 60-67.

Burl, Alfred, to Sulzer Freres, Societe Anonyme. Condensing steam heated boiler feed water heating system including a condensate operated turbine. 2,900,793, 8-25-59, Cl. 60-107.

Burl, Alfred, to Sulzer Freres, Societe Anonyme. System for starting and temporarily taking the load off a steam power plant having multistage reheating. 2,901,887, 9-1-59, Cl. 60-73.

Burl, Alfred, to Sulzer Freres, Societe Anonyme. Valve mechanism. 2,908,477, 10-13-59, Cl. 251-14.

Burl, Alfred, to Sulzer Freres, Societe Anonyme. Plunger pump for hot liquids. 2,910,007, 10-27-59, Cl. 103-153.

Burlon, Etienne P. Twin-piston machine working according to a two-stroke cycle for producing compressed fluids. 2,902,207, 9-1-59, Cl. 230-54.

Burk, Earl E. Mattress extension. 2,883,683, 4-28-59, Cl. 5-345.

Burk, Marvin C.: See—  
Fluegel, Dale A., and Burk. 2,886,710.

Burk, Marvin C., and D. A. Fluegel, to Phillips Petroleum Co. Noise thermometers. 2,884,786, 5-5-59, Cl. 73-359.

Burkard, Ralph F.: See—  
Lillienfeld, Julius E. 2,884,575.

Burkart, F. Mfg. Co.: See—  
Burkart, Harry J. 2,882,959.

Burkart, Harry J., to F. Burkart Mfg. Co. Embedded spring cushion construction. 2,882,959, 4-21-59, Cl. 155-179.

Burke, Ambrose. Sound reproducer. 2,897,291, 7-28-59, Cl. 179-113.5.

Burke, Donald J., to Erico Products, Inc. Exothermic reaction mixture and method of cast welding a copper base alloy utilizing same. 2,870,499, 1-27-59, Cl. 22-205.

Burke, Donald J., to Erico Products, Inc. Cast welding apparatus. 2,887,743, 5-26-59, Cl. 22-116.

Burke, Donald J., to Erico Products, Inc. Cast welding apparatus. 2,904,862, 9-22-59, Cl. 22-116.

Burke, Donald J., to Erico Products, Inc. Plastic molding machine. 2,917,773, 12-22-59, Cl. 18-5.

Burke, Earl J., to Sprague Electric Co. Non-slip friction drive. 2,896,572, 7-28-59, Cl. 118-420.

Burke, Edward A.: See—  
Thomas, Robert D., and Burke. 2,916,626.

Burke, George F. C.: See—  
Johnson, Herbert, and Burke. 2,868,161.

Burke, George F. C., to United Shoe Machinery Corp. Mechanisms for applying rod cement. 2,905,142, 9-22-59, Cl. 118-411.

Burke, George F. C., to United Shoe Machinery Corp. String tag attaching devices. 2,911,928, 11-10-59, Cl. 112-104.

Burke, George K., to R. K. Laros. Venoclysis equipment. 2,907,325, 10-6-59, Cl. 128-214.

Burke, Gus V., to Gus Tackle Co., Inc. Triggered fish pole holder. 2,908,099, 10-13-59, Cl. 43-16.

Burke, J. E., Co., The: See—  
Burke, John E. 2,911,687.

Burke, Jeanette E. Stitching guide and holding attachment for sewing machines. 2,876,721, 3-10-59, Cl. 112-148.

Burke, Jerry A., Jr., to Experiment Inc. Drafting instrument. 2,908,081, 10-13-59, Cl. 33-107.

Burke, John E., to The J. E. Burke Co. Pre-fabricated metal stage. 2,911,687, 11-10-59, Cl. 20-123.

Burke, John T., Jr., to National Aluminate Corp. Corrosion reduction. 2,901,439, 8-25-59, Cl. 252-389.

Burke, Joseph M., to General Motors Corp. Coupler operating device. 2,885,095, 5-5-59, Cl. 213-166.

Burke, Kenneth R., to Koppers Co., Inc. Process for the prevention of tar still corrosion. 2,901,424, 8-25-59, Cl. 208-348.

Burke, Peter F. C.: See—  
Rogers, Douglas C., and Burke. 2,890,371.

Burke, Robert E. Detachable flag pole bracket. 2,914,278, 11-24-59, Cl. 248-42.

Burke, William J. Safety latch for hinges. 2,878,510, 3-24-59, Cl. 16-144.

Burke, William O., to National Lock Co. Hinge assembly for cabinets and the like. 2,911,667, 11-10-59, Cl. 16-190.

Burkhalter, Robert R., and P. J. Mazzlotti, to Dana Corp. Midship bearing support. 2,897,023, 7-28-59, Cl. 308-184.

Burkhardt, Charles A., to General Electric Co. Synthetic resin and insulated electrical conductor. 2,894,934, 7-14-59, Cl. 260-75.

Burkhardt, Charles A., to General Electric Co. Resinous materials plasticized with a methoxybenzene dicarboxylic acid ester. 2,902,382, 9-1-59, Cl. 106-181.

Burkhardt, Charles A., to General Electric Co. Linear polyesters. 2,902,469, 9-1-59, Cl. 260-47.

Burkhardt, Charles A., to General Electric Co. Linear polyamide resins. 2,902,475, 9-1-59, Cl. 260-78.

Burkhardt, Charles A., and J. F. Brown, Jr., to General Electric Co. Method of forming mononitro hydrocarbons. 2,867,669, 1-6-59, Cl. 260-644.

Burkhardt, George C., C. Eastwood, and J. P. Hamilton, to Container Corp. of America. Stacking tray and handle therefor. 2,896,835, 7-28-59, Cl. 229-34.

Burkhardt, Lawrence E.: See—  
Donahue, William J., Jr., and Burkhardt. 2,872,868.

Burkhardt, Max, E. Grafried, and G. Rauneker, to W. C. Heraeus G.m.b.H. Manufacture of spinning nozzles. 2,879,676, 3-31-59, Cl. 76-107.

Burkhardt, William H., to Monroe Calculating Machine Co. Electronic computer. 2,872,107, 2-3-59, Cl. 235-61.

Burkhardt, William H., to Monroe Calculating Machine Co. Magnetic recording system. 2,890,440, 6-9-59, Cl. 340-174.

Burkland, Richard L., and J. W. Graves, Jr. Additive control device. 2,891,579, 6-23-59, Cl. 138-45.

Burkland, Theodore L., to Deere & Co. Shell molding apparatus. 2,871,531, 2-3-59, Cl. 22-90.

Burkus, John, to United States Rubber Co. Polyurethane polymer containing a metallic diacyanamide. 2,877,192, 3-10-59, Cl. 260-2.5.

Burland, Peter D., and R. G. Roth, to Monsanto Chemical Co. Telomers. 2,868,837, 1-13-59, Cl. 260-537.

Burland, Peter D., and R. G. Roth, to Monsanto Chemical Co. Drilling mud containing a telomer. 2,911,365, 11-3-59, Cl. 252-8.5.

Burleigh Brooks Inc.: See—  
Rizzatti, Frank, and Callahan. 2,880,490.

Burleson, Howard A. Lock seam tubing with multiple independent plies. 2,872,945, 2-10-59, Cl. 138-62.

Burleson, James C., to Monsanto Chemical Co. Polymers of hydrocyanic acid. 2,894,916, 7-14-59, Cl. 260-2.

Burley, Chester F., to Machlett Laboratories, Inc. X-ray tubes. 2,886,723, 5-12-59, Cl. 313-32.

Burley, Robert M., to Bendix Aviation Corp. Navigation device. 2,867,393, 1-6-59, Cl. 244-77.

Burlington Industries, Inc.: See—  
Butler, Vaughn H. 2,908,154.  
Lucas, Ike F. 2,904,283.  
Macon, John S. 2,911,806.  
Taylor, James L., and Byerly. 2,890,567.

Burman, Harry G.: See—  
Dersch, John A., and Burman. 2,885,973.

Burman, Joseph O., to Progressive Machinery Corp. Machine to crimp rims to boxes. 2,876,820, 3-10-59, Cl. 153-1.

Burman & Sons Ltd.: See—  
Briggs, Walter H. 2,891,515.

Burmester, Earl R., and H. H. Schott, to General Mills, Inc. Steam iron with partitioned tank. 2,878,600, 3-24-59, Cl. 38-77.

Burmester, Earl R., and H. H. Schott, to General Mills, Inc. Push button steam iron. 2,878,601, 3-24-59, Cl. 38-77.



- Burmeister, Herman R., to The Adams & Westlake Co. Luggage rack with illuminated seat numbers. 2,887,802, 5-26-59, Cl. 40-130.
- Burmeister, Lloyd G.: See—  
Stuller, Walter H., and Burmeister. 2,880,890.
- Burmeister, Tolro U. L.: See—  
Franssen Frans J., and Burmeister. 2,904,784.
- Burmister, Clarence A.: See—  
Hickley, Thomas J., Burmister, and Ross. 2,911,642.
- Burnard, John W.: See—  
Belswanger, John P. G., and Burnard. 2,883,277.
- Burnbaum, Jack, to Bradford Novelty Co., Inc. Ornament for Christmas trees and other decorative purposes. 2,907,130, 10-6-59, Cl. 41-10.
- Burndy Corp.: See—  
Arnott, William, Jr. 2,901,722.  
Aune, Alan E. 2,889,394.  
Cornell, Edward S., Jr. 2,903,668.  
Dibner, David. 2,889,422.  
Dupre, Henry P., and Matthisse. 2,895,002.  
Dupre, Henry P., Reischer, and Wallenhorst. 2,868,051.  
Lazar, Michael. 2,901,528.  
Lazar, Michael. 2,907,241.  
Matthisse, Irving F., and Bullinger. 2,903,539.  
Pellier, Christian V. 2,885,776.  
Ralla, Edward S., and O'Keefe. 2,907,814.  
Rosner, Saul, and Heller. 2,901,003.  
Schwamb, George T. 2,868,895.
- Burnell, John B.: See—  
Dolza, John, and Burnell. 2,867,201.
- Burnell, John B., and R. R. Roberts, to General Motors Corp. Idle speed control device. 2,915,914, 12-8-59, Cl. 74-472.
- Burner, Bingham F. Hydraulic power transmitting mechanism. 2,907,231, 10-6-59, Cl. 74-701.
- Burnet, George, Jr.: See—  
Lubin, Bernard L., and Burnet. 2,884,999.
- Burnet, William B., and C. R. Anderson, to Superior Separator Co. Apparatus for grading grain. 2,915,182, 12-1-59, Cl. 209-294.
- Burnett, Albert L., and J. H. Shewell. Means for automatically switching on the parking lights of vehicles. 2,897,301, 7-28-59, Cl. 200-35.
- Burnett, Alexander H., to Swift & Co. Meat slicing machine control apparatus. 2,898,962, 8-11-59, Cl. 146-94.
- Burnett, Barrie S., and G. F. Taylor, to Submarine Cables Ltd. Water-tight cable entry. 2,886,626, 5-12-59, Cl. 174-18.
- Burnett, Henry J. Pick-up device. 2,900,039, 8-18-59, Cl. 181-24.
- Burnett, Leo S.: See—  
Soule, Edward C., and Burnett. 2,880,103.
- Burnett, Peter P. A., to United States Rubber Co. Method of making decorated plastic sheet material. 2,874,416, 2-24-59, Cl. 18-47.5.
- Burnett, Richard T., to Bendix Aviation Corp. Hydraulic torque converter. 2,871,661, 2-3-59, Cl. 60-54.
- Burnett, Richard T., to Bendix Aviation Corp. Combination disc and transverse type wheel brake. 2,871,990, 2-3-59, Cl. 188-70.
- Burnett, Richard T., to Bendix Aviation Corp. Brake. 2,871,991, 2-3-59, Cl. 188-70.
- Burnett, Richard T., to Bendix Aviation Corp. Axially and transversely movable brake. 2,871,992, 2-3-59, Cl. 188-70.
- Burnett, Richard T., to Bendix Aviation Corp. Composite disk and shoe brake. 2,888,105, 5-26-59, Cl. 188-74.
- Burnett, Richard T., to Bendix Aviation Corp. Brake. 2,897,921, 8-4-59, Cl. 188-70.
- Burnett, Richard T., to Bendix Aviation Corp. Combination shoe and disk brake. 2,910,144, 10-27-59, Cl. 188-70.
- Burnette, Llewellyn W., and M. E. Chiddix, to General Aniline & Film Corp. Production of N-acyl taurides. 2,880,219, 3-31-59, Cl. 260-401.
- Burnette, Thaddeus C., Jr., to United States of America, Air Force. Universal drive coupling. 2,885,872, 5-12-59, Cl. 64-23.
- Burnette, Wayne B. Double ended wrench with adjustable sockets. 2,900,857, 8-25-59, Cl. 81-185.
- Burney, Harold W.: See—  
Beemer, Paul K., Anderson, and Burney. 2,903,864.
- Burnham, Charles S.: See—  
Anthony, Harry E., Burnham, De Ment, Hahn, and Hepler. 2,886,396.
- Burnham, John, to Fansteel Metallurgical Corp. Capacitor. 2,871,425, 1-27-59, Cl. 317-230.
- Burnham, Philip A. Cable gripping and pulling device. 2,888,295, 5-26-59, Cl. 294-88.
- Burnham, Robert R., to Union Carbide Corp. Corrosive resistant polyethylene emulsions. 2,868,742, 1-13-59, Cl. 260-17.
- Burnight, Thomas R., and R. A. Emmett, Jr. Blind landing system. 2,901,742, 8-25-59, Cl. 343-6.
- Burnley, Edward G. Car cabana anchor and placement guide. 2,914,277, 11-24-59, Cl. 248-39.
- Burns, Albert L., Jr.: See—  
Chadderdon, Jack, and Burns. 2,912,273.
- Burns, Bernard L., to Morgan Construction Co. Coupling. 2,909,045, 10-20-59, Cl. 64-9.
- Burns, Cecil H., Jr., and M. J. Mendelson, to The National Cash Register Co. Data retrieval system. 2,900,132, 8-18-59, Cl. 235-61.7.
- Burns, Claude A., to Morton Salt Co. Preparation of pure sodium chloride brines. 2,902,418, 9-1-59, Cl. 204-128.
- Burns, Claude H., to Westinghouse Electric Corp. Apparatus for operating gaseous discharge devices. 2,877,382, 3-10-59, Cl. 315-138.
- Burns, David H., to Paramount Pictures Corp. Coin operated means incorporating credit storage. 2,914,159, 11-24-59, Cl. 194-1.
- Burns, Edward M. Blower. 2,904,847, 9-22-59, Cl. 19-72.
- Burns, Erwin: See—  
Carr, Charles J., and Burns. 2,882,019.  
Carr, Charles J., and Burns. 2,882,020.
- Burns, Erwin. Liner hanger and packer. 2,877,850, 3-17-59, Cl. 166-124.
- Burns, Erwin. By-pass liner hanging apparatus. 2,910,092, 12-8-59, Cl. 166-124.
- Burns, Fred P., to Bell Telephone Laboratories, Inc. Piezoresistive semiconductor microphone. 2,905,771, 9-22-59, Cl. 179-110.
- Burns, Harold S., and P. A. de Mars, to Pickard & Burns, Inc. Loudspeaker system. 2,880,817, 4-7-59, Cl. 181-31.
- Burns, Harold W., to E. I. du Pont de Nemours and Co. Preparation of meta-sulfisophthalic acid. 2,895,986, 7-21-59, Cl. 260-507.
- Burns, Henry L., and R. L. Roloffson, to Alar Products, Inc. Valve seal. 2,872,221, 2-3-59, Cl. 286-26.
- Burns, Jabez, & Sons, Inc.: See—  
Kopf, Joseph L. 2,887,383.
- Burns, James T. Combination container and broiler pan. 2,875,683, 3-3-59, Cl. 99-425.
- Burns, John H., R. L. Dittmer, and D. L. Weeks, to The National Cash Register Co. Data recording apparatus. 2,878,872, 3-24-59, Cl. 164-113.
- Burns, Joseph C., and A. E. Beckers, to Allen B. Du Mont Laboratories, Inc. Storage tube. 2,896,106, 7-21-59, Cl. 313-68.
- Burns, Leslie L., Jr., to Radio Corp. of America. Electron beam controlling apparatus. 2,900,562, 8-18-59, Cl. 315-18.
- Burns, Leslie L., Jr., and E. O. Kelzer, to Radio Corp. of America. Magnetic recording system. 2,915,594, 12-1-59, Cl. 179-100.2.
- Burns, Loren D. Television antenna support device. 2,882,080, 4-14-59, Cl. 287-99.
- Burns, Maurice P. Venetian blind rack. 2,875,971, 3-3-59, Cl. 248-161.
- Burns, Meryl C., G. J. Giel, Jr., and R. J. Stahl, to Marchant Calculators, Inc. Magnetic decimal accumulator. 2,867,379, 1-6-59, Cl. 235-61.
- Burns, Meryl C., G. J. Giel, Jr., and R. J. Stahl, to Smith-Corona Marchant Inc. Calculating machines. 2,895,674, 7-21-59, Cl. 235-167.
- Burns, Ray S.: See—  
Eichenberg, Robert, and Burns. 2,868,221.
- Burns, Robert S.: See—  
Boall, Francis W., and Burns. 2,878,151.
- Burnside, Harvey E. W.: See—  
Barr, Frank T., Burnside, Brown, Jahnig, and Martin. 2,889,267.
- Burn-Zol Co.: See—  
Peterson, Russell M., Spencer, Peterson, and McLouth. 2,880,682.
- Buros, Clayton E.: See—  
Hanson, Reuben J., and Buros. 2,884,297.
- Burr, Alan C.: See—  
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Howe, Harold, and Burr. 2,879,120.
- Burr, Alfred E. Single pedal control for automobiles. 2,867,308, 1-6-59, Cl. 192-3.
- Burr, John E., Jr.: See—  
Alexander, Herbert C., and Burr. 2,918,603.
- Burr, Myrtice C., to Pure Carbon Co., Inc. Controlled clearance carbon bearings. 2,901,300, 8-25-59, Cl. 308-238.
- Burr, Robert P., and R. J. Keogh, to Hazeltine Research, Inc. Color-image-reproducing apparatus. 2,874,211, 2-17-59, Cl. 178-54.
- Burrage, Albert E., to Burrage & Boyde Ltd. Non-electric vacuum cleaners and like cleaning appliances. 2,874,400, 2-24-59, Cl. 15-359.
- Burrage, Albert E., to Burrage & Boyde Ltd. Non-electric vacuum cleaning machines. 2,910,721, 11-3-59, Cl. 15-342.
- Burrage & Boyde Ltd.: See—  
Burrage, Albert E. 2,874,400.  
Burrage, Albert E. 2,910,721.
- Burrell, Gilbert, to General Motors Corp. Frusto conical combustion chamber and method of making same. 2,878,800, 3-24-59, Cl. 123-191.
- Burris, Andrew H., to Admiral Corp. Motor mounts and clips. 2,868,484, 1-13-59, Cl. 248-22.
- Burroughs, Carl E. Folding spray leader. 2,910,245, 10-27-59, Cl. 239-167.
- Burroughs Corp.: See—  
Avery, Robert W. 2,877,439.  
Bader, Clifford J., and Cola. 2,876,388.  
Baker, Corwin W. 2,905,399.  
Barnes, George H. 2,900,532.  
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- Burski, Leonard J. G., to The Superior Electric Co. Lighting control. 2,885,598, 5-5-59, Cl. 315-320.
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- Burst, Francis J., to Hill-Rom Co., Inc. Hospital bed. 2,912,704, 11-17-59, Cl. 5-60.
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- Burton, Everett T., A. L. Robinson, and E. L. Younker, to Bell Telephone Laboratories, Inc. Time separation communication system. 2,917,583, 12-15-59, Cl. 179-15.
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- Burton, William P., P. A. Lefrancois, and E. W. Riblett, to The M. W. Kellogg Co. Hydrocarbon conversion process with platinum or palladium containing composite catalyst. 2,914,464, 11-24-59, Cl. 208—138.
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- Burt, Jack R., to Stewart-Warner Corp. Pneumatic jacket for aircraft combustion apparatus. 2,878,837, 3-24-59, Cl. 138—63.
- Burtzloff, Fred A. Convertible attachment for load carrying body. 2,909,387, 10-20-59, Cl. 296—10.
- Burwell, John T., Jr., and Q. H. McKenna, to Horizons Titanium Corp. Fused salt bath for the electrodeposition of transition metals. 2,876,180, 3-3-59, Cl. 204—64.
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- Busch, Kenneth J., to Bell Telephone Laboratories, Inc. Magnetic radar pulse duration clipper and damper. 2,898,482, 8-4-59, Cl. 307—108.
- Busch, Lee S., and G. W. Bauer, to Mallory-Sharon Titanium Corp. Alpha titanium alloys containing aluminum and columbium. 2,899,303, 8-11-59, Cl. 75—175.5.
- Busch, Richard E.: See—
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- Busch, Thomas J., to Maxwell Industries, Inc. Tool holder for boring bars. 2,878,695, 3-24-59, Cl. 77—58.
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- Busch, Thomas N., and D. W. and B. E. Jasper. Method and apparatus for harvesting trees. 2,876,816, 3-10-59, Cl. 144—309.
- Buschbom, Floyd E., to Van Dale, Inc. Apparatus for unloading silos. 2,877,907, 3-17-59, Cl. 214—17.
- Buschmann, Oskar H., to Copeland Refrigeration Corp. Lubricating system for refrigerant compressors. 2,898,072, 8-4-59, Cl. 230—206.
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- Busch-Petersen, Bent, J. J. Cicalese, and R. G. Craig, to Houdry Process Corp. Regeneration of butadiene catalyst. 2,915,570, 12-1-59, Cl. 260—680.
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- Bush, Jess A., L. D. Freeman, and E. B. Hagerty, to Southern California Gland Co. Process for preparing crude heparin. 2,884,358, 4-28-59, Cl. 167—74.
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- Hewitt, Ellis E., Bush, and Jeffrey. Re. 24,636.
- Bush, Robert G., to U. S. Slicing Machine Co., Inc. Method of interleaving sheets of material between slices of food and apparatus therefor. 2,877,120, 3-10-59, Cl. 99—171.
- Bush, Robert M., R. W. Jensen, and L. T. King, to The Garrett Corp. Fluid motor. 2,896,590, 7-28-59, Cl. 121—119.
- Bush, Russell J., to General Motors Corp. Sealing strip. 2,878,535, 3-24-59, Cl. 20—56.4.
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- Busquet, Herman Th. J. A., to "Hala" Nederlandsche Lampenfabriek N.V. Lamp shade. 2,898,451, 8-4-59, Cl. 240—108.
- Buss, Benjamin A., to American Machine and Metals, Inc. Ironing machine. 2,906,042, 9-29-59, Cl. 38—48.
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- Bussard, Emmery J. H., to Avco Mfg. Corp. Stable transistor oscillator system. 2,894,211, 7-7-59, Cl. 331—117.
- Bussard, Emmery J. H., to Avco Mfg. Corp. Automatic overload protection system. 2,918,629, 12-22-59, Cl. 330—51.
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- Bussiere, Lawrence S.: See—
- Rancourt, Alphonse, and Bussiere. 2,910,824.
- Bussmann, Frank H., to McGraw-Edison Co. Protectors for electric circuits. 2,880,291, 3-31-59, Cl. 200—154.
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- Butcher, Kenneth L. Automatic regulation of the rate of flow of a fluid through a pipe or the like. 2,916,047, 12-8-59, Cl. 137—501.
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- Butler, Edward J. Time switch. 2,887,543, 5-19-59, Cl. 200—87.
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- Butler, Keith H., to Sylvania Electric Products Inc. Indium-activated phosphor. 2,898,302, 8-4-59, Cl. 252—301.4.
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- Callison, Richard P. 2,901,849.
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- Butler, Wallace B., to Olin Mathieson Chemical Corp. Multi-part breech bolt mechanism. 2,881,547, 4-14-59, Cl. 42—16.
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- Butler, William F.: See—
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- Butler, William F., and R. H. Willet, to Cutter Laboratories, Inc. Blood donor assembly. 2,915,062, 12-1-59, Cl. 128—214.
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- Butner, Robert E., and O. M. Young. Dispensing pill box. 2,899,047, 8-11-59, Cl. 206—42.
- Butt, Alan G., to The Trane Co. Heat exchanger. 2,869,835, 1-20-59, Cl. 257—245.



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- Butterfield, John P., to Chrysler Corp. Link supported axle suspension. 2,888,271, 5-26-59, Cl. 280-124.
- Butterfield, Louis M., Display carton for fruit and vegetables. 2,918,204, 12-22-59, Cl. 229-2.5.
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- Buttermore, Provance H., and R. S. Field. Ladder. 2,875,935, 3-3-59, Cl. 228-36.
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- Buttolph, Doyle D., to Phillips Petroleum Co. Continuous rotary filter. 2,889,931, 6-9-59, Cl. 210-404.
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- Butzow, George M. Sand conditioning apparatus. 2,898,651, 8-11-59, Cl. 22-89.
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- Buxton, Elliott R., to North American Aviation, Inc. Acceleration anticipation switch. 2,879,958, 3-31-59, Cl. 244-76.
- Buxton, James E., and J. J. Digby, to Bendix Aviation Corp. Engine starter gearing. 2,903,892, 9-15-59, Cl. 74-9.
- Buxton, Inc.: See—  
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- Bybee, Genoris R. Combined clothesline and rack and awning frame. 2,887,233, 5-19-59, Cl. 211-87.
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- Byrne Doors, Inc.: See—  
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- Byrnes, James H., to Westoak Machine Corp. Equipment for oiling metal surfaces. 2,870,737, 1-27-59, Cl. 118-227.
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- Cadle, Richard D., and R. W. Mosher. Aromatic amine aldehyde perchlorate resins. 2,871,224, 1-27-59, Cl. 260-72.5.
- Cadle, Richard D., and R. W. Mosher. Perchlorate salts of alkanol amines. 2,899,468, 8-11-59, Cl. 260-584.
- Cadotte, John E.: See—  
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- Cady, George H., and F. B. Dudley. Fluorine fluorosulfonate and process for producing same. 2,876,075, 3-3-59, Cl. 23-203.
- Cady, Paul C.: See—  
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- Cady, Robert S.: See—  
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- Caesar, Cameron H.: See—  
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- Caesar, Orville S., and J. G. Stieber. Roller shade. 2,894,578, 7-14-59, Cl. 160-308.
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- Cafferata, Gerald W., to The British Plaster Board Ltd., and Gyproc Product Ltd. Wire tying device. 2,913,015, 11-17-59, Cl. 140-118.
- Caffrey, James M., Jr., to Texaco Inc. Mixtures of metal salts of organic hydroxy compounds. 2,892,782, 6-30-59, Cl. 252-427.
- Caffero, Michael J. Expansion and deflection conduit coupling. 2,885,461, 5-5-59, Cl. 174-84.
- Cafolla, Constantine F.: See—  
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- Cafolla, Constantine F., to Seneca Falls Machine Co. Tool carriage feeding and positioning mechanism. 2,907,224, 10-6-59, Cl. 74-424.8.
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- Cagle, Toby T., to Airheart Products, Inc. Vehicle braking operation with slack adjuster. 2,905,277, 9-22-59, Cl. 188-152.
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- Cahill, Harold G., and C. R. Rasmussen, to Western Electric Co., Inc. Apparatus for sizing and coalescing articles. 2,882,553, 4-21-59, Cl. 18-5.



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- Cahn, Robert L. Double deck sandwich serving unit, having electric cold pan. 2,886,395, 5-12-59, Cl. 312-279.
- Cahoon, Nelson C., to Union Carbide Corp. Electrolytic fuse. 2,876,271, 3-3-59, Cl. 136-135.
- Cahoon, Nelson C., and M. P. Korver, to Union Carbide Corp. Barrier films for galvanic cells. 2,900,433, 8-18-59, Cl. 136-146.
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- Cain, Donald E., and F. E. Zimmerman, to Caterpillar Tractor Co. Fluid compartment drain plug. 2,877,867, 3-17-59, Cl. 184-15.
- Cain, Donald G., and T. P. Moote, to Pan American Petroleum Corp. Process for purification of hydrocarbon solutions of oxygenated organic compounds. 2,877,257, 3-10-59, Cl. 260-450.
- Cain, Francis M., Jr.: See—
- Jones, Wallace M., and Cain. 2,875,368.
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- Bull, Willard C., Cain, Spomer, Finkbeiner and Hill. 2,911,399.
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- Caine, Thomas P., to National Steel Corp. Pivot mounted apparatus for handling coils of strip material. 2,911,164, 11-3-59, Cl. 242-79.
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- Calamal, Edward A., to General Precision Laboratory Inc. Television camera iris control mechanism. 2,871,776, 2-3-59, Cl. 95-64.
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- Murtaugh, Justin J., and Caldas. 2,882,270.
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- Calder, Alexander W., to Joy Mfg. Co. Hydraulic cylinder assembly. 2,910,049, 10-27-59, Cl. 121-46.
- Calder, Caesar A. Lay down collar support. 2,883,094, 4-21-59, Cl. 223-83.
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- Bird, James R., Calderhead, and Heller. 2,891,221.
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- Calderon, Albert. 2,892,553.
- Calderwood, David L.: See—
- Beresford, Hobart, and Calderwood. 2,913,188.
- Calderwood, Gene C., to General Electric Co. Bonding compositions. 2,916,403, 12-8-59, Cl. 117-232.
- Caldwell, Albert G., to Burroughs Wellcome & Co. (U.S.A.) Inc. Diquaternary ammonium compounds and the manufacture thereof. 2,918,464, 12-22-59, Cl. 260-243.
- Caldwell, Blake M., to Welox, Inc. Multiple shaped charge assembly. 2,873,676, 2-17-59, Cl. 102-20.
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- Caldwell, Charles W.: See—
- Herr, Theodore Z., and Caldwell. 2,869,695.
- Caldwell, Harry J., to Barnes Drill Co. Boring unit. 2,867,139, 1-6-59, Cl. 77-3.
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- Toney, George P., Klefer, and Caldwell. 2,881,772.
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Callen, Wallace I. Photographic album. 2,902,996, 9-8-59, Cl. 129-20.

Callender, Bernard L., to GPE Controls, Inc. Relay regulator. 2,904,056, 9-15-59, Cl. 137-83.

Callender, Bernard L., and R. G. Relp, to GPE Controls, Inc. Hydraulic relay. 2,904,057, 9-15-59, Cl. 137-83.

Callender, Jack E.: See—

Blashfield, William H., Callender, and Harris. 2,905,764.

Callender, Jack E., and G. E. Bosler, to North Electric Co. Switching apparatus and arrangements for automatic telephone systems. 2,876,292, 3-3-59, Cl. 179-27.5.

Callender, Russell J. Voltage multiplication systems. 2,880,385, 3-31-59, Cl. 321-2.

Callery, Charles H., to American Anti Corrosion Corp. Apparatus for applying bitumen coating to metallic surfaces. 2,893,642, 7-7-59, Cl. 239-132.

Callery Chemical Co.: See—

Adams, Roy M. 2,888,327.

Bush, Jack D. 2,880,144.

Carpenter, Richard A. 2,895,985.

Chamberlain, David L., Jr., and Schechter. 2,898,379.

Cunningham, George L. 2,900,223.

Cunningham, George L., Bryant, and Gause. 2,874,024.

Cunningham, George L., and Pretka. 2,894,975.

Edwards, Lawrence J. 2,884,439.

Girardot, Peter R., and Walters. 2,906,771.

Huff, George F. 2,884,311.

Joyner, Powell A., and Pressau. 2,882,414.

Koblitz, Francis F. 2,919,177.

Lettinger, Robert L., Skoog, and Remes. 2,872,479.

McElroy, Albert D., and Nigon. 2,889,194.

Pearson, Richard K., and Wartik. 2,872,474.

Pressau, Jean P. 2,882,415.

Schechter, William H. 2,889,370.

Schechter, William H. 2,891,086.

Schechter, William H. 2,913,806.

Schechter, William H., and Shakely. 2,888,326.

Callis, George L. Insert for a container. 2,904,205, 9-15-59, Cl. 215-100.

Callis, Clayton F., and R. L. Moore, to United States of America, Atomic Energy Commission. Separation of ruthenium from aqueous solutions. 2,903,332, 9-8-59, Cl. 23-14.5.

Callison, John F.: See—

Samuels, Abe, and Callison. 2,899,758.

Callison, Richard P., to Butler Mfg. Co. Advertising panel. 2,901,849, 9-1-59, Cl. 40-125.

Calmeson, Benjamin. Dipstick. 2,917,832, 12-22-59, Cl. 33-128.7.

Calmes, André. Illuminating spectacles. 2,904,670, 9-15-59, Cl. 240-2.

Calmes, Dallas L. 15% to Wilson Electrical Equipment Co., Inc. 20% to W. F. Wilson, 20% to B. Moore, 5% to G. M. Mathews, and 5% to J. G. Mullins. Wide beam floodlight. 2,907,870, 10-6-59, Cl. 240-3.

Calor-Einag: See—

Bruckner, Paul, Capeller, Erk, Gottwald, Heyser, Schmitz, and Vadder. 2,892,062.

Calow, Th., and Co.: See—

Lindemann, Hans. 2,893,275.

Calsetta, Douglas R.: See—

Starr, Donald F., and Calsetta. 2,884,356.

Cal-Tronics Corp.: See—

McLaren, Harry K. 2,881,577.

Calumet & Hecla, Inc.: See—

Greene, Raymond H. 2,868,046.

Greene, Raymond H. 2,870,816.

Kuthe, Charles H. 2,913,009.

Terwilliger, Henry L. 2,917,014.

Calumet Mfg. Co.: See—

Keller, Dan W. 2,877,700.

Calvert, Gresham H. Heating element. 2,874,256, 2-17-59, Cl. 201-66.

Calvert, Raymond, to The Wayne Kerr Laboratories Ltd. Apparatus for measuring small distances. 2,880,390, 3-31-59, Cl. 324-61.

Calvert, Willard R.: See—

Houdry, Eugene J., and Calvert. 2,867,497.

Calvert, William C., to Borg-Warner Corp. Polymerization of acrylonitrile-alpha methyl styrene mixtures onto polybutadiene and products produced thereby. 2,908,661, 10-13-59, Cl. 260-45.5.

Calvin, Melvin: See—

Werner, Louis B., Perlman, and Calvin. 2,894,805.

Calvo, Philip S., Jr., and W. C. Moser, to E. I. du Pont de Nemours and Co. Process for the production of regenerated cellulose filaments. 2,893,820, 7-7-59, Cl. 18-54.

Calwire: See—

Paxton, Harold D. 2,910,698.

Smith, Arthur J. 2,918,675.

Camarasa Monje, Antonio, to F. C. Jimenez. Apparatus for automatically orientating bodies of ovoid shape. 2,907,442, 10-6-59, Cl. 198-33.

Cambanis, Louis. Clothes protector for ironing boards. 2,896,346, 7-28-59, Cl. 38-111.

Cambels, Walter, to Fried. Krupp Motoren- und Kraftwagenfabriken G.m.b.H. Dual brake systems for automotive vehicles. 2,874,002, 2-17-59, Cl. 303-2.

Cambell, Lewis, Jr.: See—

Sacher, William S. 2,893,133.

Cambridge Filter Mfg. Corp.: See—

Baldwin, William W. 2,884,091.

Engle, Paul M., Swanton, and Little. 2,907,407.

Engle, Paul M., and Swanton. 2,907,408.

Cambridge Paper Box Co.: See—

Perry, William H., and Olivier. 2,904,238.

Cambridge Rubber Co.: See—

Bingham, George H., Jr. 2,912,368.

Bingham, George H., Jr. 2,913,743.

Cambridge Thermionic Corp.: See—

Abrams, Ralph. 2,899,220.

Abrams, Ralph. 2,899,486.

Abrams, Ralph. 2,910,635.

Abrams, Ralph. 2,918,521.

Cambridge Tile Mfg. Co., The: See—

Burchenal, Charles H., and Ballinkin. 2,887,867.

Cambridge Wire Cloth Co.: See—

Hooper, Fred L. 2,885,164.

Camco, Inc.: See—

Daffin, Douglas E. 2,872,238.

McGowen, Harold E., Jr. 2,892,415.

McGowen, Harold E., Jr. 2,914,078.

McGowen, Harold E., Jr., and Daffin. 2,887,163.

Camco (Machinery) Ltd.: See—

Fry, Stanley R., and McCormick. 2,896,942.

Camenzind, Louis, Jr. Pneumatic pulley. 2,882,738, 4-21-59, Cl. 74-230.7.

Camera Mart, Inc., The: See—

Hyman, Samuel. 2,877,957.

Camera Services, Inc.: See—

Cohn, Nathan, and Emeritz. 2,897,721.

Camera Vision Productions, Inc.: See—

Robinson, Glen, and Davies. 2,883,903.

Cameraflex Corp.: See—

Henkel, Joseph F. 2,868,064.

Camerino, Bruno, and A. Vercellone, to Società Farmaceutici Italia. Conversion of epoxy-ketones into hydroxy compounds by the action of fermenting yeast. 2,880,141, 3-31-59, Cl. 195-51.

Cameron, Alasdair B., J. Christie, and T. R. Manley, to A. Reyrolle & Co. Ltd. and Moser-Glaser & Co. A.G. Voltage grading in high-voltage switchgear insulation. 2,894,054, 7-7-59, Cl. 174-21.

Cameron, Donald D.: See—

Brinker, Keith C., Cameron, and Robinson. 2,904,537.

Cameron, Donald E., W. H. Chilson, C. C. Elsesser, and R. Windmuller, to General Foods Corp. Powdered fat composition and process. 2,913,342, 11-17-59, Cl. 99-123.

Cameron, Donald J., to General Motors Corp. Fluid pressure circuits. 2,913,879, 11-24-59, Cl. 60-97.

Cameron, Donald P.: See—

Bavley, Abraham, Brunings, and Cameron. 2,876,156.

Bavley, Abraham, and Cameron. 2,883,319.

Cameron, Frank L., to Westinghouse Electric Corp. Timing device. 2,891,637, 6-23-59, Cl. 188-96.

Cameron, Frank L., and H. Brooks, to Westinghouse Electric Corp. Automatic recloser. 2,897,315, 7-28-59, Cl. 200-89.

Cameron, Frank L., and A. R. Harm, to Westinghouse Electric Corp. Automatic recloser. 2,911,499, 11-3-59, Cl. 200-109.

Cameron, Frank M. Seat divider. 2,914,115, 11-24-59, Cl. 155-133.

Cameron, Fred M., Jr., and G. H. Hilton, to Raytheon Co. Voltage regulators. 2,907,921, 10-6-59, Cl. 315-203.

Cameron, Harry M., and E. S. Wassel, to American Coldset Corp. Drill bit with driven auxiliary bit. 2,877,988, 3-17-59, Cl. 255-301.

Cameron, Harry M., and R. K. Haffner, to American Coldset Corp. Diamond-drill bit. 2,911,196, 11-3-59, Cl. 255-301.

Cameron, Hugh J.: See—

Rudd, Wallace C., Cameron, and Osterer. 2,898,440.

Cameron Iron Works, Inc.: See—

Allen, Herbert. 2,873,085.

Allen, Herbert. 2,874,436.

Allen, Herbert. 2,877,977.

Allen, Herbert, Works, and Oliver. 2,912,214.

Anderson, Clifford E. 2,874,437.

Oliver, John P. 2,883,141.

Cameron Machine Co.: See—

Aaron, Charles, and Rockstrom. 2,877,959.

De Gelleke, Gerrit. 2,895,553.

De Gelleke, Gerrit. 2,911,071.

Rockstrom, Leonard, and Aaron. 2,872,126.

Rockstrom, Leonard, and Schmidt. 2,897,893.

Schmidt, Leon A., and Rockstrom. 2,877,960.

Cameron, Margaret D.: See—

Bennett, George E., and Cameron. 2,889,356.

Cameron, Margaret D., to Monsanto Chemical Co. Herbicidal method and composition employing bis(2-methyl-5-ethylpyridine) copper (II) chloride. 2,913,323, 11-17-59, Cl. 71-2.5.

Cameron, Reid A.: See—

Lichtenberger, Harold V., and Cameron. 2,880,155.

Cameron, Robert T., to Westinghouse Electric Corp. Wire severing machines. 2,877,845, 3-17-59, Cl. 164-49.

Cameron, Russell J.: See—

Di Tirro, Domenic A., and Cameron. 2,906,246.

Cameron, Warren B., S. to Kenney Mfg. Co. Curtain rod support bracket. 2,918,245, 12-22-59, Cl. 248-263.

Cameron, William L. Pipe hanger. 2,900,155, 8-18-59, Cl. 248-71.

Cameron-Johnson, Alan: See—

Orloff, George, and Cameron-Johnson. 2,867,091.

Cameto, Leon R., to Misto Gen Equipment Co. Medicinal inhalant atomization. 2,869,185, 1-20-59, Cl. 21-117.

Cameto, Leon R., to Misto Gen Equipment Co. Patient treatment enclosure and frame. 2,915,074, 12-1-59, Cl. 135-71.

Cametiti, Benjamin, and W. M. Wepfer, to Westinghouse Electric Corp. Bearings. 2,874,007, 2-17-59, Cl. 308-160.

Cametiti, Benjamin, and A. C. Hagg, to Westinghouse Electric Corp. Totally enclosed canned motor pump. 2,887,061, 5-19-59, Cl. 103-87.

Cametiti, Benjamin, and W. M. Wepfer, to Westinghouse Electric Corp. Motor pump unit. 2,887,062, 5-19-59, Cl. 103-87.

Camilli, Guglielmo, A. W. Galloway, and C. H. Tuttle, to General Electric Co. Clamping arrangement for cascade transformer. 2,789,488, 3-24-59, Cl. 336-90.

Camin Laboratories, Inc.: See—

Flakoff, Samuel. 2,879,209.

Flakoff, Samuel. 2,880,258.

Camloc Fastener Corp.: See—

Newcomer, Jacob R., Jr., and Griffiths. 2,879,123.

Newcomer, Jacob R., Jr., and Newcomer. 2,878,542.

Summers, J. Mills, and Newcomer. 2,881,499.

Camin, William T., to Littleford Brothers, Inc. Bituminous mixer, mobile, complete with heated bitumen tank, and combined aggregate drier and mixer. 2,867,421, 1-6-59, Cl. 239-155.

Cammack, Arthur R., to Associated Engineering & Equipment Co., Inc. Microphone. 2,900,453, 8-18-59, Cl. 179-115.5.

Camp, Burton H., and R. G. Clarke. Ram air bomb ejector. 2,905,055, 9-22-59, Cl. 89-1.5.

Camp, Daniel H.: See—

Soldini, Robert B., and Camp. 2,867,336.

Camp, Dempsey C., and C. T. Robinson, to The Cumberland Case Co. Double action automatic watering valve. 2,894,717, 7-14-59, Cl. 251-263.

Camp, Elza Q.: See—

Phillips, Cecil, Jr., and Camp. 2,917,345.

Camp, Henry R., to Westinghouse Electric Corp. Semiconductor rectifier device. 2,883,591, 4-21-59, Cl. 317-234.

Camp, James B.: See—

Buckingham, Howard B., and Camp. 2,880,377.

Camp, James B., to United States Steel Corp. Light carriage and strip guide mechanism for pin hole detector. 2,886,716, 5-12-59, Cl. 250-219.

Camp, James B., and D. J. Reed, Jr., to United States Steel Corp. Control system for electrostatic precipitation. 2,897,914, 8-4-59, Cl. 183-7.

Camp, John M.: See—

Eckel, John E., and Camp. 2,898,084.

Kellner, Jackson M., and Camp. 2,906,341.

Camp, Leon W., to Research Corp. Plastic cast ring stack transducer. 2,879,496, 3-24-59, Cl. 340-11.

Camp, Leon W., to Bendix Aviation Corp. Transducer construction employing annular vibrators. 2,906,991, 9-29-59, Cl. 340-8.

Camp, Leon W., to Bendix Aviation Corp. Pressure-release structure for transducer. 2,908,245, 10-13-59, Cl. 116-137.

Camp and McInnes, Inc.: See—

Klahr, Edwin E., and Stafford. 2,892,330.

Camp, Richard L., and W. J. Paulson. Portable electric lanterns. 2,875,324, 2-24-59, Cl. 240-52.15.

Camp, Robert W. Low current resistance measuring device. 2,891,219, 6-16-59, Cl. 324-62.

Camp, S. H., and Co.: See—

Yeakey, Forrest I., and Sheldon. 2,910,984.

Camp, Samuel C., and D. R. Stevens, to Gulf Research & Development Co. Hexa-hydrocarbylphosphoramide solvents for halogenated aromatic insecticides. 2,880,131, 3-31-59, Cl. 167-42.

Camp, William J. Dial control selective ringing apparatus. 2,897,276, 7-28-59, Cl. 179-17.

Camp, William M., to Coats & Clark Inc. Bobbins. 2,918,886, 12-29-59, Cl. 112-251.

Campagna, Michele, to Bristol Mfg. Corp. Heat insulated, gasket-type, waterproof footwear. 2,897,610, 8-4-59, Cl. 36-4.

Campagne Generale des Etablissements Michelin (Robert Puleux & Cie): See—

Bourdon, Pierre M. 2,894,555.

Campanelli, Samuel, to Bowers Battery and Spark Plug Co. Safety light assembly. Re. 24,631, 4-14-59, Cl. 340-321.

Campbell, Albert B., to Campbell Products Co. Dispensing valve structure for aerosol container. Re. 24,599, 2-10-59, Cl. 222-394.

Campbell, Albert B., to Campbell Products Co. Dispensing assembly. 2,870,944, 1-27-59, Cl. 222-509.

Campbell, Alexander, Jr.: See—

Nettles, Forrest T., and Campbell. 2,892,150.

Campbell, Alfred, and W. A. Jones, to Parke, Davis & Co. Oxazolidone compounds and means for producing the same. 2,915,327, 12-1-59, Cl. 260-307.

Campbell, Andrew, Jr., to Houdry Process Corp. Preparation of piperazine. 2,873,274, 2-10-59, Cl. 260-268.

Campbell, Arthur B., to General Time Corp. Illuminated electric clock. 2,875,320, 2-24-59, Cl. 240-2.1.

Campbell, Barney P. Distributor for lawn sprinkling systems. 2,880,757, 4-7-59, Cl. 137-627.

Campbell, Bert J. Sanding pad. 2,889,667, 6-9-59, Cl. 51-186.

Campbell, Carol, Enterprises, Inc.: See—

Charles, Malcolm J. 2,898,523.

Campbell, Catherine T.: See—

Campbell, Edward J., and C. T. 2,884,173.

Campbell, Charles E. Rotisserie. 2,885,952, 5-12-59, Cl. 99-421.

Campbell, Charles H.: See—

Jenkins, Lloyd T., and Campbell. 2,878,229.

Campbell, Charles H., and D. H. Chadwick, to Monsanto Chemical Co. Manufacture of beta-halo-alkyl phosphites. 2,877,260, 3-10-59, Cl. 260-461.

Campbell, Charles H., and L. T. Jenkins, to The Chemstrand Corp. Acrylonitrile polymer composition stabilized with formaldehyde, tris (hydroxymethyl) phosphonium oxide, and hydrochloric acid, and method of making same. 2,878,228, 3-17-59, Cl. 260-32.6.

Campbell, Charles H., and L. T. Jenkins, to The Chemstrand Corp. Acrylonitrile polymer composition stabilized with metal formaldehyde sulfoxylate and phenol disulfonic acid and method of making same. 2,878,230, 3-17-59, Cl. 260-32.6.

Campbell, Charles H., and L. T. Jenkins, to The Chemstrand Corp. Acrylonitrile polymer composition stabilized with metal formaldehyde sulfoxylate, phosphorus pentoxide, and sulfuric acid and method of making same. 2,878,231, 3-17-59, Cl. 260-32.6.

Campbell, Charles R., to The Chemstrand Corp. Purification of hexamethylene diamine. 2,889,256, 6-2-59, Cl. 202-46.

Campbell, Claude C., Jr., to General Dynamics Corp. Constant speed system. 2,890,604, 6-16-59, Cl. 74-752.

Campbell, Claude N., Jr. Bulk dispensing container. 2,894,666, 7-14-59, Cl. 222-528.

Campbell, Conrad J., to Hercules Powder Co. Air-drying resinous ester from partial allyl ether of pentaerythritol. 2,885,375, 5-5-59, Cl. 260-22.

Campbell, Dan: See—

Bacheller, "D" Flavius. 2,879,924.

Campbell, David S., to Cardwell Westinghouse Co. High capacity draft gear. 2,916,163, 12-8-59, Cl. 213-33.

Campbell, Denis J., Jr.: See—

Hull, Wilson R., and Campbell. 2,881,516.

Campbell, Donald A., to Eclipse Fuel Engineering Co. Air control apparatus for boiler. 2,877,634, 3-17-59, Cl. 158-1.

Campbell, Donald A., and G. L. Anderson, to Eclipse Fuel Engineering Co. Insulated meter connecting pipe joint. 2,885,224, 5-5-59, Cl. 285-30.

Campbell, Donald A., and J. V. Margason, to Eclipse Fuel Engineering Co. Pressure regulating valve construction and counterbalancing means therefor. 2,905,193, 9-22-59, Cl. 137-505.18.

Campbell, Donald H.: See—

Barabanckas, Charles F., and Campbell. 2,916,526.

Campbell, Donald K., Jr. Door check. 2,914,792, 12-1-59, Cl. 16-82.

Campbell, Donald M., and M. M. Seeloff, to The Taylor-Winfield Corp. Rotary current transfer device. 2,879,490, 3-24-59, Cl. 339-5.

Campbell, Donald N.: See—

Spracklen, Stanford B., Campbell, and Fellows. 2,876,189.

Campbell, Edward J., and C. T. Double loop sling for use by firemen. 2,884,173, 4-28-59, Cl. 224-5.

Campbell, Ernest C., Jr., to Hallmark Cards Inc. Sheet material dispensing carton with notched circumscribing traveling cutter. 2,889,879, 6-9-59, Cl. 164-73.

Campbell, Ernest C., Jr., to Hallmark Cards, Inc. Ribbon spool. 2,894,620, 7-14-59, Cl. 206-53.

Campbell, Erwin A.: See—

Woolslayer, Homer J., Iddings, Jenkins and Campbell. 2,903,102.

Campbell, Floyd A. Marking tool. 2,885,780, 5-12-59, Cl. 30-164.9.

Campbell, Francis K., 1/4 to The Moran Corp. Uranium detecting devices. 2,878,390, 3-17-59, Cl. 250-83.6.

Campbell, Francis K., 1/4 to The Moran Corp. Uranium detecting devices. 2,878,391, 3-17-59, Cl. 250-83.6.

Campbell, Francis K., 1/4 to F. K. Campbell and 1/4 to The Moran Corp. Refuse disposal devices. 2,885,975, 5-12-59, Cl. 110-18.

Campbell, Frank D. Dual speed railroad ballast cleaner. 2,899,759, 8-18-59, Cl. 37-104.

Campbell, Frank D. Sun visor sign. 2,916,838, 12-15-59, Cl. 40-129.

Campbell, Frank G. Method of and means for converting diesel internal combustion engines to steam actuated engines. 2,884,908, 5-5-59, Cl. 121-179.



- Campbell, Harris S., to Autogiro Co. of America. Aircraft rotor blade control mechanism. 2,877,856, 3-17-59, Cl. 170-160.25.
- Campbell, Harris S., to Eastern Rotorcraft Corp. Power operated slat release construction. 2,904,369, 9-15-59, Cl. 294-83.
- Campbell, Henry H., to Borg-Warner Corp. Seal. 2,867,456, 1-6-59, Cl. 286-11.
- Campbell, Henry H., to Borg-Warner Corp. Fuel pump. 2,885,962, 5-12-59, Cl. 103-42.
- Campbell, Henry H., and F. C. Stanek, to Borg-Warner Corp. Three gear pressure loaded pump. 2,867,174, 1-6-59, Cl. 103-120.
- Campbell, Hollis O., and A. P. Lipski, to Continental Oil Co. Seisphone and cable assembly. 2,908,890, 10-13-59, Cl. 340-17.
- Campbell, Howard N., to Paramount Textile Machinery Co. Method of and apparatus for forming hosiery package. 2,896,380, 7-28-59, Cl. 53-3.
- Campbell, Hugh H., to The Kynodon Engineering Corp. Grinding wheel dresser. 2,882,887, 4-21-59, Cl. 125-11.
- Campbell, J. Allan: See—
- Babcock, John C., Campbell, and Hogg. 2,916,486.
- Pederson, Raymond L., Herr, Babcock, Campbell, and Hogg. 2,867,630.
- Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 6-fluoro-20-hydroxy-4-pregnene-3-ones and the 20-acetates thereof. 2,870,141, 1-20-59, Cl. 260-239.5.
- Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. Organic compounds and process. 2,873,286, 2-10-59, Cl. 260-397.45.
- Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 6-fluoro-9a-halo-11-oxygenated-4-pregnene-3-ones and 6-fluoro-9a-halo-11-oxygenated-1,4-pregnadienes. 2,876,219, 3-3-59, Cl. 260-239.55.
- Campbell, J. Allan, R. E. Pederson, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 6-fluoro-17 $\beta$ -hydroxy-17a-lower aliphatic hydrocarbon-1,4-androstadienes and 6-fluoro-17a-lower aliphatic hydrocarbon estradiols. 2,877,240, 3-10-59, Cl. 260-397.4.
- Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 6-fluoroallopregnane-3,20-diones and 6-fluoropregnane-3,20-diones. 2,878,268, 3-17-59, Cl. 260-397.3.
- Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 6-fluoro-9a-halo-11-oxygenated-4-pregnene and 6-fluoro-9a-halo-11-oxygenated-1,4-pregnadienes. 2,880,205, 3-31-59, Cl. 260-239.55.
- Campbell, James H. Power and time board. 2,884,713, 5-5-59, Cl. 35-24.
- Campbell, James K.: See—
- Stilwell, Robert E., and Campbell. 2,892,466.
- Campbell, James K., to Fairchild Engine and Airplane Corp. Resistance welding. 2,880,304, 3-31-59, Cl. 219-107.
- Campbell, James R. Structural panel of honeycomb type. 2,910,153, 10-27-59, Cl. 184-34.
- Campbell, James S., to Queen's University. Free piston machine. 2,912,965, 11-17-59, Cl. 123-46.
- Campbell, John D., to Borg-Warner Corp. Fixed flow pump. 2,915,977, 12-8-59, Cl. 103-42.
- Campbell, John F. Variable area metering valve. 2,875,779, 3-3-59, Cl. 137-529.
- Campbell, John F. Apparatus for vulcanizing V-belts and the like. 2,885,728, 5-12-59, Cl. 18-7.
- Campbell, John F. and E. M. Cagle. Fire-retardant decorative insulating board. 2,889,235, 6-2-59, Cl. 117-72.
- Campbell, John P. External-flow jet flap. 2,891,740, 6-23-59, Cl. 244-15.
- Campbell, John R.: See—
- Alholm, Wayne L., Campbell, Foye, Lynn, and Shanklin. 2,907,300.
- Eaker, Charles M., and Campbell. 2,887,513.
- Schenker, Bernard, Lord, and Campbell. 2,918,633.
- Siefen, Howard T., and Campbell. 2,872,361.
- Campbell, John R., C. M. Eaker, and E. H. Kimball, to Monsanto Chemical Co. Purification of salicylic acid derivatives. 2,891,090, 6-16-59, Cl. 260-474.
- Campbell, John S.: See—
- Cantor, Sidney M., Fuller, and Wolnak. 2,890,117.
- Canton, Sidney M., Fuller, and Wolnak. 2,890,118.
- Campbell, Kenneth E. Signal device. 2,907,841, 10-6-59, Cl. 200-61.05.
- Campbell, Kenneth N., to Mead Johnson & Co. 1,1-diaryl-2-aminoalkanois. 2,879,294, 3-24-59, Cl. 260-570.
- Campbell, Kenneth N., to Mead Johnson & Co. N-substituted-1-aminoalkyl-3-arylindenes and indanes. 2,884,456, 4-28-59, Cl. 260-570.8.
- Campbell, Lee R. Control valve construction for pneumatic power tools. 2,896,579, 7-28-59, Cl. 121-21.
- Campbell-Lurie Plastics, Inc.: See—
- Lurie, Robert. 2,918,379.
- Campbell, Nera L., and R. C. Vickery, to Horizons Inc. Separation of niobium and tantalum values. 2,880,060, 3-31-59, Cl. 23-16.
- Campbell, Oliver, and N. E. Pennels, to Sinclair Refining Co. Heater. 2,898,892, 8-11-59, Cl. 122-356.
- Campbell, Paul E., to Phillips Petroleum Co. Process for decolorizing hydrogenated butadiene polymers with a saturated carboxylic acid. 2,893,982, 7-7-59, Cl. 260-85.1.
- Campbell Pharmaceuticals, Inc.: See—
- Fitch, Howard M. 2,895,981.
- Fitch, Howard M. 2,901,503.
- Fitch, Howard M. 2,911,430.
- Campbell Products Co.: See—
- Campbell, Albert B. Re. 24,599.
- Campbell, Albert B. 2,870,944.
- Campbell, Richard D., to Westinghouse Air Brake Co. Differentiator. 2,901,609, 8-25-59, Cl. 250-27.
- Campbell, Richard D., to Westinghouse Air Brake Co. Frequency measuring apparatus. 2,908,865, 10-13-59, Cl. 324-78.
- Campbell, Robert A., to Gadget-Of-The-Month Club, Inc. Ash-retaining jacket for a cigarette. 2,900,987, 8-25-59, Cl. 131-174.
- Campbell, Robert B., to The Franklin Institute of the State of Pennsylvania. Acicular metal particles and method of making the same. 2,879,154, 3-24-59, Cl. 75-5.
- Campbell, Robert E., to Sloan Valve Co. Vacuum breakers. 2,877,789, 3-17-59, Cl. 137-218.
- Campbell, Robyn M. Quick-change cable clamp. 2,890,511, 6-16-59, Cl. 24-134.
- Campbell, Rollin E., and H. D. Forse; said Campbell assor. to said Forse. Method of and device for folding shirts and similar garments. 2,894,667, 7-14-59, Cl. 223-37.
- Campbell, Rouel R. Garment hanger. 2,908,431, 10-13-59, Cl. 223-96.
- Campbell, Rufus M. Variable speed cone pulley drive. 2,898,772, 8-11-59, Cl. 74-217.
- Campbell, Samuel J.: See—
- Barlament, Norval S., and Campbell. 2,883,121.
- Campbell, Samuel J., to Food Machinery and Chemical Corp. Heat sealing packaging machine. 2,882,662, 4-21-59, Cl. 53-182.
- Campbell, Shirley P., to The Coleman Co., Inc. Blower structure and method of fabrication. 2,910,224, 10-27-59, Cl. 230-134.
- Campbell Soup Co.: See—
- Bergstrom, Ralph W., and Lindeman. 2,897,536.
- Campbell, Sylvester J.: See—
- Fox, Edgar C., Jr., Helmick, and Campbell. 2,871,430.
- Campbell, Thaddeus C., to Putnam Rolling Ladder Co., Inc. Ladder. 2,885,132, 5-5-59, Cl. 228-58.
- Campbell, Tod W., to E. I. du Pont de Nemours and Co. Process for forming continuous shaped structure by direct chemical spinning. 2,891,837, 6-23-59, Cl. 18-54.
- Campbell, William D. Fluid cooled electrical apparatus. 2,915,729, 12-1-59, Cl. 338-231.
- Campbell, William G., and P. W. Kelly, to Barber-Colman Co. Automatic bobbing machine. 2,918,849, 12-29-59, Cl. 90-1.
- Campbell, William M., to The Atlantic Refining Co. Well logging recording apparatus. 2,884,589, 4-28-59, Cl. 324-1.
- Campbell, William M., H. H. Arnold, and R. Petrich, to Chrysler Corp. Car loading apparatus. 2,901,987, 9-1-59, Cl. 105-369.
- Campdera Sala, Luis. Dancing toy provided with vibrating acoustic devices. 2,894,356, 7-14-59, Cl. 46-118.
- Campe, William T., to Minneapolis-Honeywell Regulator Co. Seal. 2,916,592, 12-8-59, Cl. 200-168.
- Campion, Frank E., E. D. Glass, and R. A. Morse, to Pan American Petroleum Corp. Heavy oil recovery. 2,901,043, 8-25-59, Cl. 166-11.
- Camplone, Saverio J. Presses. 2,874,392, 2-24-59, Cl. 12-36.
- Campo, Alfred. Desoldering tool. 2,882,380, 4-14-59, Cl. 219-26.
- Campo, Peter J. Doorway saddles. 2,909,815, 10-27-59, Cl. 20-64.
- Camps, David C.: See—
- Knops, Ivan P., and Camps. 2,887,046.
- Knops, Ivan P., and Camps. 2,901,970.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Magnetic record duplicating device for producing magnetic records. 2,867,692, 1-6-59, Cl. 179-100.2.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Non-linear magnetic recording compensation. 2,868,890, 1-13-59, Cl. 179-100.2.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Sound motion picture film. 2,869,878, 1-20-59, Cl. 274-41.4.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Magnetic recorder and reproducer for video. 2,900,443, 8-18-59, Cl. 178-6.6.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Means for recording and reproducing video signals. 2,900,444, 8-18-59, Cl. 178-6.6.
- Camras, Marvin, to Armour Research Foundation of Illinois Institute of Technology. Apparatus for making duplicate magnetic records. 2,918,537, 12-22-59, Cl. 179-100.2.
- Camus, Jean C. P. Filling case. 2,884,727, 5-5-59, Cl. 40-156.
- Canada, Alfred H., to General Electric Co. Indicating turbidimeter. 2,892,378, 6-30-59, Cl. 88-14.
- Canada Cycle and Motor Co. Ltd.: See—
- Shakesby, Leonard. 2,892,490.
- Shakesby, Leonard. 2,896,697.
- Canada, Her Majesty the Queen in The Right of, as represented by the Minister of Mines and Technical Surveys: See—
- Morley, Lawrence W. 2,919,397.

- Canada, Her Majesty the Queen in The Right of, as represented by the Minister of National Defence: See—
- Moody, Norman F., and Florida. 2,896,094.
- Weinberg, Jan V., and Delecller. 2,901,884.
- Canada Packers, Ltd.: See—
- Barnett, Hugh W. 2,903,366.
- Barnett, Hugh W., and Perrin. 2,905,561.
- Bharucha, Kekhusroo R. 2,868,810.
- Kairys, Stepan, Morda, Munns, and Walder. 2,895,976.
- McKerns, Kenneth W. 2,906,667.
- Witty, Ralph P. D., and Merten. 2,910,363.
- Canada Paper Co.: See—
- Bagnall, John. 2,892,244.
- Canada Wire and Cable Co. Ltd.: See—
- Short, Herbert D. 2,909,336.
- Short, Herbert D. 2,913,514.
- Canada Ltd.: See—
- McKenzie, William W. 2,903,101.
- Parker, Arnold G. 2,886,946.
- Canadian Car Co. Ltd.: See—
- Walker, Lloyd B. 2,902,291.
- Canadian Copper Refiners Ltd.: See—
- Barabas, Silvio. 2,875,040.
- Canadian Forest Products Ltd.: See—
- Zilm, Dwight M. 2,884,966.
- Canadian General Electric Co., Ltd.: See—
- Brooke, Arthur A. 2,906,299.
- Cass, Samuel, and Hewton. 2,908,891.
- De Buda, Rudolf G. 2,883,612.
- Wray, Edward J. 2,912,260.
- Canadian Hanson and Van Winkle Co. Ltd.: See—
- Vaughan, James L. B., Hishop, and Hanna. 2,890,136.
- Vaughan, James L. B., Hishop, and Hanna. 2,890,137.
- Canadian Ingersoll-Rand Co. Ltd.: See—
- Brantz, Will. 2,917,809.
- Canadian International Paper Co.: See—
- Saxton, William R., and Mithel. 2,898,222.
- Canadian Lift Truck Co. Ltd.: See—
- Harver, Frank G. 2,868,919.
- Canadian Patents and Development Ltd.: See—
- Darnach, Marvin, and Pulgase. 2,891,091.
- Halpern, Jack. 2,879,134.
- Parsons, James S. 2,916,825.
- Canadian Westinghouse Co., Ltd.: See—
- Brouwer, Frans. 2,913,648.
- Flett, Lester C. 2,887,559.
- Hulls, Leonard R., and Duke. 2,909,717.
- Lipinski, Jedrej, and Cheston. 2,875,434.
- Canady, Buel H., and R. C. Hutchinson. Dual wheel mounting. 2,911,256, 11-3-59, Cl. 301-36.
- Canady, Florence. Umbrella. 2,875,772, 3-3-59, Cl. 135-35.
- Canady, William P. Hobby horse foot step and stirrup. 2,919,132, 12-29-59, Cl. 272-52.5.
- Canal Industrial Corp.: See—
- Cochran, Lee D. 2,897,366.
- Canalizo, Carlos R., to Otis Engineering Corp. Control valve. 2,886,281, 5-12-59, Cl. 251-57.
- Canalizo, Carlos R., to Otis Engineering Corp. Cut-off device. 2,896,903, 7-28-59, Cl. 251-63.
- Can-Amara Oil Sands Development Ltd.: See—
- Coulson, Gordon R. 2,911,349.
- Coulson, Gordon R., and Clark. 2,885,339.
- Canarios, Chrysosthenis M., to The Harshaw Chemical Co. Vinyl chloride resin stabilized with three component stabilizer. 2,868,745, 1-13-59, Cl. 260-23.
- Canazal, Henry D. Unitary engine and supercharger. 2,874,534, 2-24-59, Cl. 60-31.
- Canazal, Henry D. Speed boat hulls. 2,900,945, 8-25-59, Cl. 114-66.5.
- Candee, Ellsworth T.: See—
- Couch, Earle W., and Candee. 2,904,419.
- Candellise Alfred: See—
- Welchinsky, Wilfred A., and Candellise. 2,874,323.
- Candellise, Alfred, to General Motors Corp. Spark plug and method of making same. 2,894,315, 7-14-59, Cl. 29-25.12.
- Candell, Earl B., to General Electric Co. Lamp package. 2,883,047, 4-21-59, Cl. 206-65.
- Candido, Gaspare R., to National Surgical and Chemical Co., Inc. Colostomy belt. 2,896,624, 7-28-59, Cl. 128-283.
- Candido, Michael, Jr., and J. J. Miskel, to Chas. Pfizer & Co., Inc. Pellet-implanter. 2,883,984, 4-28-59, Cl. 128-217.
- Candidus, Edward S.: See—
- Steinherz, Hans A., and Candidus. 2,890,878.
- Candler, Arden V. Feed mechanism for radial saw. 2,873,508, 2-17-59, Cl. 29-69.
- Candlestick Flower Arranger, Inc.: See—
- Saks, David and F. 2,876,587.
- Candlin, James E., Jr., to Pullman-Standard Car Mfg. Co. Lateral movement control. 2,874,647, 2-24-59, Cl. 105-171.
- Candlin, James E., Jr., to Pullman-Standard Car Mfg. Co. Duplex coach. 2,884,873, 5-5-59, Cl. 105-315.
- Candlin, James E., Jr., to Pullman Inc. Suspension system air spring. 2,912,234, 11-10-59, Cl. 267-3.
- Candlin, James E., Jr., and J. L. Swarner, to Pullman-Standard Car Mfg. Co. Automatic power trainline connector. 2,883,069, 4-21-59, Cl. 213-1.3.
- Candlin, James E., Jr., R. W. Lanman, and W. Van Der Sluys, to Pullman-Standard Car Mfg. Co. Suspension system saddle support. 2,910,014, 10-27-59, Cl. 105-218.
- Candrea, Peter J.: See—
- Vaughan, Wayne W., Spotts, Candrea, and Jarrett. 2,904,991.
- Candy Crafts, Inc.: See—
- Venger, Abraham. 2,911,304.
- Canepa, Michele, to Olivetti Corp. of America. Decoding and printing apparatus. 2,885,475, 5-5-59, Cl. 178-34.
- Canepa, Michele, to Olivetti Corp. of America. Non-resealing decoding and printing apparatus. 2,901,540, 8-25-59, Cl. 178-34.
- Canepa, Michele, to Olivetti Corp. of America. Magnetic drum storage unit. 2,905,933, 9-22-59, Cl. 340-174.
- Canepa, William P., to M. Martin. Double lined brakes for vehicles. 2,897,922, 8-4-59, Cl. 188-70.
- Cannell, Albert V. H.: See—
- Churchill, Alan W., and Canfield. 2,882,929.
- Canfield, Robert W., to Max Corp. Plastic bottle blowing apparatus. 2,914,799, 12-1-59, Cl. 18-5.
- Canfield, Virgil D. Folding frame Swedish type buck saw. 2,910,101, 10-27-59, Cl. 145-33.
- Canfield, William G., to F. J. Lipski. Instrument for and method of measuring and obtaining averages of measurements. 2,879,601, 3-31-59, Cl. 33-147.
- Canfora, Arthur E.: See—
- Di Santi, Nicholas, Canfora, and Liguori. 2,868,875.
- Phelps, James C., Canfora, Liguori, and Mandat. 2,905,513.
- Caniglia, Ferrante. Milk boiling container. 2,909,172, 10-20-59, Cl. 126-386.
- Cann, Alfred J., to Sanders Associates, Inc. Ionic time-delay apparatus. 2,876,351, 3-3-59, Cl. 250-27.
- Cann, Alfred J., to Sanders Associates, Inc. Peak amplitude discriminator. 2,876,411, 3-3-59, Cl. 321-43.
- Cann, Arthur F., to Stevens-Arnold Inc. Frequency doubling choppers. 2,902,562, 9-1-59, Cl. 200-90.
- Cann, Harry E., Sr., to Esco Cabinet Co. Milking system for domestic animals. 2,910,965, 11-3-59, Cl. 119-14.11.
- Cannaday, William R., to Dresser Industries, Inc. Through-tubing perforating systems. 2,896,721, 7-28-59, Cl. 166-55.5.
- Canniff, Thomas L., to American Can Co. Method of applying pigmented coating to sheet metal. 2,878,141, 3-17-59, Cl. 117-71.
- Canniff, Thomas L., and A. E. Balocco, to American Can Co. Organic coating composition. 2,917,391, 12-15-59, Cl. 90-181.
- Canning Equipment Co.: See—
- Keesling, Thomas B. 2,918,098.
- Canning, James R. Football dummy. 2,904,337, 9-15-59, Cl. 273-55.
- Canning, Maurice D., to Western Electric Co., Inc. Conveyor. 2,873,011, 2-10-59, Cl. 193-35.
- Canning, Richard G., to The Regents of The University of California. Electronic sorter. 2,901,732, 8-25-59, Cl. 340-174.
- Canning, William P., and N. Slater, to Benrus Watch Co., Inc. Dial telephone watch. 2,876,617, 3-10-59, Cl. 56-46.
- Cannon, Charles E., Jr., and J. D. Roberge. Method for assembling components. 2,906,016, 9-29-59, Cl. 29-407.
- Cannon, Edward S., and D. B. Lash, to The Berkshire Mfg. Co. Pressure leaf filter with pneumatic vibrator for residue removal. 2,874,848, 2-24-59, Cl. 210-332.
- Cannon Electric Co.: See—
- Arson, Samuel L. 2,869,095.
- Arson, Samuel L. 2,881,406.
- Cannon, Harry R. Structure for a separating apparatus. 2,902,154, 9-1-59, Cl. 209-444.
- Cannon, Harry B. Method and apparatus for separating and concentrating reagentized granular mixtures. 2,905,322, 9-22-59, Cl. 209-170.
- Cannon, Madison M., to Bird Machine Co. Separator. 2,897,972, 8-4-59, Cl. 210-512.
- Cannon, R. W. & Co., Inc.: See—
- Cannon, Robert W. 2,887,090.
- Cannon, Robert W., to R. W. Cannon & Co., Inc. Method for treating hatching eggs. 2,887,090, 5-19-59, Cl. 119-1.
- Cannon Shoe Co.: See—
- Kallmeyer, Stanley R. 2,876,544.
- Cannon, William A., and C. E. Welling, to Ford Motor Co. Method of selectively oxidizing hydrocarbons in exhaust gases of internal combustion engines. 2,912,300, 11-10-59, Cl. 23-2.
- Cannon, William N., to Eli Lilly and Co. Trichloromethylmercaptopyrazoles. 2,888,462, 5-26-59, Cl. 260-310.
- Canon Camera Co., Inc.: See—
- Kakunodate, Masamichi. 2,896,500.
- Mizui, Seichiro. 2,874,558.
- Nojiri, Tatuo. 2,906,469.
- Nojiri, Tatuo. 2,911,809.
- Nojiri, Tatuo. 2,917,968.
- Suzukawa, Hiroshi. 2,888,867.
- Suzukawa, Hiroshi. 2,912,181.
- Cansi Electronics, Inc.: See—
- Catanzaro, Frank C. 2,907,324.
- Cantele, Carlo, and A. Vavassori, to Montecatini, Società Generale per l'Industria Mineraria e Chimica. Expandable structure providing a vehicular enclosure both when compacted and extended. 2,906,556, 9-29-59, Cl. 296-26.
- Canterbury, Wallace D., to U.S. Industries, Inc. Heat exchanger apparatus. 2,892,617, 6-30-59, Cl. 257-202.



- Canterino, Peter J., to Phillips Petroleum Co. Preparation of  $\alpha$ -xylene glycol polymers. 2,877,190, 3-10-59, Cl. 260-20.
- Canterino, Peter J., to Phillips Petroleum Co. Composition comprising rubber and halogenated poly-olefins. 2,919,252, 12-29-59, Cl. 260-4.
- Cantieri, William F.: See—
- Schueler, Lyle B., Cantieri, and Stout. 2,904,260.
- Cantieri, William F., to Diamond Power Specialty Corp. Retractable soot blower of the long travel type. 2,897,532, 8-4-59, Cl. 15-317.
- Canto, Louis, H. F. Mohr, and K. L. Neumann, to Radio Corp. of America. Radio alarm system. 2,912,676, 11-10-59, Cl. 340-164.
- Cantor, Edward B. Vaginal applicator. 2,869,546, 1-20-59, Cl. 128-261.
- Cantor, Sidney M., L. Faller, and B. Wolnak, to J. S. Campbell. Quick cooking cereal and method of forming same. 2,890,117, 6-9-59, Cl. 99-83.
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- Cantor, Theodore: See—
- Redniss, Alexander, Goodman, and Cantor. 2,871,098.
- Cantrel, Kenneth E.: See—
- Goodhue, Lyle D., and Cantrel. 2,884,355.
- Goodhue, Lyle D., and Cantrel. 2,919,227.
- Cantrell, Troy L., and J. G. Peters, to Gulf Oil Corp. Compounded lubricant compositions and composite addition agents therefor. 2,915,464, 12-1-59, Cl. 252-32.5.
- Cantwell, Kenneth R., to Phillips Petroleum Co. Blending polymers of 1-olefins with synthetic rubber. 2,910,451, 10-27-59, Cl. 260-45.5.
- Canty, John M., and P. M. Riede, to Union Carbide Corp. Double-walled container with base. 2,874,865, 2-24-59, Cl. 220-15.
- Canzler, Michael. Automobile foot and leg rest. 2,908,323, 10-13-59, Cl. 155-165.
- Cape, Arthur T., to Coast Metals, Inc. Method of increasing the carbon content of deposits of iron-base alloys made from filled tubes. 2,868,957, 1-13-58, Cl. 219-146.
- Cape, Arthur T., to Coast Metals, Inc. Low melting point nickel-iron alloys. 2,880,086, 3-31-59, Cl. 75-171.
- Cape, Arthur T., and C. V. Foerster, to Coast Metals, Inc. Nickel-silicon-boron alloys. 2,899,302, 8-11-59, Cl. 75-170.
- Capek, Louis E., and R. T. Van Campen. Retractable tap feed mechanism operative upon undue axial force on the spindle. 2,869,153, 1-20-59, Cl. 10-135.
- Capell, Robert G., J. H. Wright, and W. A. Gruse, to Gulf Research & Development Co. Recovery of elemental sulfur from sulfur bearing solid mineral matter. 2,897,065, 7-28-59, Cl. 23-312.
- Capell, Robert G., and P. R. Templin, to Gulf Research & Development Co. Wax sized paper. 2,898,293, 8-4-59, Cl. 210-502.
- Capellaro, Natale, to Ing. C. Olivetti & C., S.p.A. Operating mechanism for power driven business machines. 2,902,124, 9-1-59, Cl. 192-33.
- Capellaro, Natale, and T. Gassino, to Ing. C. Olivetti & C., S.p.A. Carriage feed mechanism for combined type-writing and computing machines. 2,875,882, 3-3-59, Cl. 197-82.
- Capelle, Arthur C. Television alignment tool. Re. 24,623, 3-24-59, Cl. 81-3.
- Capelle, Arthur C. Alignment tool. 2,917,954, 12-22-59, Cl. 81-3.
- Capeller, Wolfgang: See—
- Bruckner, Paul, Capeller, Erk, Gottwald, Heyser, Schmitz, and Vedder. 2,892,062.
- Capen, Harold N., C. R. Brown, and L. F. Evans, to International Telephone and Telegraph Corp. Method for manufacturing a coaxial filter. 2,911,333, 11-3-59, Cl. 154-225.
- Capener, Erwin L.: See—
- Mohr, Robert A., and Capener. 2,878,199.
- Capers, John D.: See—
- Cook, Ross, Capers, and Martens. 2,893,660.
- Capewell Mfg. Co., The: See—
- Craven, Wilbur J. 2,890,728.
- Capita, Emil R. Zone purification device. 2,870,309, 1-20-59, Cl. 219-10.43.
- Capital Plating & Machine Co.: See—
- Rosten, Randolph T. and P. W. 2,906,285.
- Rosten, Randolph T. and P. W. 2,906,332.
- Capital Products Corp.: See—
- Royer, Wayne H. 2,864,650.
- Capitani, Arnold P. Folding closet doors. 2,915,118, 12-1-59, Cl. 160-118.
- Capitani, Clito, and E. Mugnaini, to Societa Rhodiatore S. p. A. Process for obtaining olefins directly from alpha, beta-unsaturated aldehydes. 2,868,858, 1-13-59, Cl. 260-682.
- Capito & Klein Akt.: See—
- Engelhardt, Erwin A. 2,894,860.
- Capitol Products Corp.: See—
- Temple, Hiram E. 2,902,159.
- Caplan, Alexander. Hair cutting device. 2,896,320, 7-28-59, Cl. 30-30.
- Caplan, Joseph, to Shelly's Mfg. Co. Pillow construction and method of producing same. 2,883,681, 4-28-59, Cl. 5-341.
- Caplan, Max: See—
- Suben, Morten. 2,873,155.
- Caplis, George W., and H. F. Fox, Jr., to Westinghouse Electric Corp. Electric lamp base. 2,913,697, 11-17-59, Cl. 339-146.
- Caporali, Arrigo: See—
- Wetnauer, Gustavo A., Giola, and Caporali. 2,872,375.
- Caporiceci, Antonio G. Toilet utility bracket. 2,894,639, 7-14-59, Cl. 211-60.
- Capp, Clifford W., H. P. Crocker, and F. J. Bellringer, to The Distillers Co., Ltd. Chlorination of butadiene. 2,912,471, 11-10-59, Cl. 260-654.
- Cappello, John: See—
- Yoder, Joe B., and Cappello. 2,901,521.
- Cappio, Peter. Hose support. 2,894,706, 7-14-59, Cl. 248-87.
- Capps, David B., to The Chemstrand Corp. Linear polycyclopropanes and method for preparing them. 2,889,290, 6-2-59, Cl. 260-2.
- Capps, Samuel H.: See—
- Perry, Mark J., and Capps. 2,868,560.
- Caprarola, Leroy J.: See—
- Ammenwerth, Martin F., and Caprarola. 2,913,616.
- Caprino, Joseph C., to General Electric Co. Process for compounding alkyl aryl vinyl silicone elastomer with filler and silanediol, and product obtained thereby. 2,875,172, 2-24-59, Cl. 260-37.
- Caprio, Gerald L., to Motorola, Inc. Cathode ray tube apparatus. 2,880,367, 3-31-59, Cl. 315-27.
- Capron, Adin B., D. A. Edgecombe, and S. O. Evans, to The Babcock & Wilcox Co. Method of applying a particulate lubricant to a tubular extrusion billet. 2,908,384, 10-13-59, Cl. 207-10.
- Capron, Michel V. F., and E. Uher. Variable speed multi-belt transmission. 2,878,690, 3-24-59, Cl. 74-665.
- Capron, Nicholas J., to Pennsalt Chemicals Corp. Isopropyl amine process for rosin acids. 2,878,242, 3-17-59, Cl. 260-97.6.
- Capron, Robert W., to Bendix Aviation Corp. Transducer. 2,899,653, 8-11-59, Cl. 336-30.
- Caps, Arthur W., to Photostat Corp. Copying camera. 2,905,052, 9-22-59, Cl. 88-24.
- Capuder, Fred C., and J. R. Dearwater, to United States of America, Atomic Energy Commission. Reactor nozzle assembly. 2,873,174, 2-10-59, Cl. 23-284.
- Caputa, John S., and P. J. Kask; said Kask assor. to said Caputa. Woven mat. 2,916,798, 12-15-59, Cl. 28-78.
- Caracciola, Nunzio, and N. De Chiara. Sectional door sill. 2,892,222, 6-30-59, Cl. 20-64.
- Caracristi, Virgilus Z.: See—
- Bogot, Alexander, and Caracristi. 2,895,435.
- Carado Inc.: See—
- Glab, William T. 2,872,330.
- Sitterly, Charles K., and Stecher. 2,918,710.
- Caramella, Vittorio: See—
- Oglietti, Giovanni, and Caramella. 2,889,404.
- Carando Machine Works: See—
- McCoy, Thomas A. 2,880,610.
- McCoy, Thomas A. 2,901,085.
- Carasso, John I., and E. A. Speight. Methods for the treatment of semiconductor junction devices. 2,902,419, 9-1-59, Cl. 204-141.
- Carbaub, Robert E., to Petcar Research Corp. Clothespin. 2,910,753, 11-3-59, Cl. 24-138.
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- Carbonara, Victor E., to Kollsman Instrument Corp. Astrocompass. 2,894,330, 7-14-59, Cl. 33-61.
- Carbone, Frank B.: See—
- Laube, Hans. 2,905,049.
- Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. Polynuclear nitrogen containing compounds and process of making same. 2,904,544, 9-15-59, Cl. 260-205.
- Carbonic Development Corp.: See—
- Hasche, Rudolph L. 2,909,904.
- Carbonic Dispenser, Inc.: See—
- Welty, Frank. 2,913,003.
- Carbonneau, Gordon S. Spark plug testing and setting apparatus. 2,899,634, 8-11-59, Cl. 324-15.
- Carbonneau, Gordon S. Voice coil connection for loudspeakers. 2,900,828, 9-29-59, Cl. 179-115.5.
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- Hanford, Carlton M. 2,873,181.
- Hansen, George R. 2,897,572.
- McCord, Andrew T., and Splink. 2,904,479.
- McMullen, John C. 2,873,197.
- Sandmeyer, Karl H. 2,903,373.
- Sandmeyer, Karl H. 2,911,313.
- Schuldhauser, Walter E., and Skuza. 2,907,972.
- Taylor, Kenneth M. 2,872,327.
- Taylor, Kenneth M. 2,887,393.
- Taylor, Kenneth M. 2,888,325.
- Taylor, Kenneth M. 2,888,355.
- Taylor, Kenneth M. 2,888,738.
- Van Der Beck, Roland R., Jr. 2,916,460.
- Carbrey, Robert L., to Bell Telephone Laboratories, Inc. Volume compression and expansion in pulse code transmission. 2,889,409, 6-2-59, Cl. 179-15.6.
- Carbrey, Robert L., to Bell Telephone Laboratories, Inc. Time assignment signal interpolation system. 2,907,829, 10-6-59, Cl. 179-15.

- Carbrey, Robert L., to Bell Telephone Laboratories, Inc. Code translator. 2,917,734, 12-15-59, Cl. 340-347.
- Carcasson, George V.: See—
- Archer, John, and Carcasson. 2,890,378.
- Cardaciotto, Paul S., and E. A. Vitalis, to American Cyanamid Co. Lavative powders containing di-n-octyl sulfosuccinates. 2,871,157, 1-27-59, Cl. 167-56.
- Cardaciotto, Paul S., and E. A. Vitalis, to American Cyanamid Co. Lavative syrups containing di-n-octyl sulfosuccinate salts. 2,871,158, 1-27-59, Cl. 167-56.
- Cardani, Charles P.: See—
- Alderman, Leon D., Cardani, Kant, and Kimball. 2,896,213.
- Stolecki, William, Romeo, Cardani, and Woodman. 2,903,698.
- Stolecki, William E., Romeo, Cardani, and Woodman. 2,908,909.
- Cardel Electric Co. Inc.: See—
- Maescher, Albert. 2,907,118.
- Cardell, James, and F. T. Hill, to Raytheon Co. Control of electron emission in cathode assemblies. 2,916,652, 12-8-59, Cl. 313-346.
- Carden, Haywood S. Lap split preventing means for attachment to a comb. 2,896,208, 7-28-59, Cl. 19-115.
- Cardiff, George H., to Fraser & Johnston Co. Aimable bomb cluster assembly and adaptor and release mechanism therefor. 2,874,639, 2-24-59, Cl. 102-7.2.
- Cardinal, Oliver V. Radius and chamfer cutter assembly. 2,874,616, 2-24-59, Cl. 90-12.
- Cardno, John, to Diamond Power specialty Corp. Liquid level gauge. 2,912,860, 11-17-59, Cl. 73-293.
- Cardona, Carlos J. Variable drive. 2,881,624, 4-14-59, Cl. 74-230.17.
- Cardox Corp.: See—
- Hesson, James C. 2,880,594.
- Cardwell Westinghouse Co.: See—
- Campbell, David S. 2,916,163.
- Johnson, Norman M. 2,907,474.
- Peat, James. 2,893,761.
- Care, Richard L.: See—
- Grant, Gardner L., and Care. 2,896,761.
- Care, Richard L., to Grant Development Co. Throughway fare collection device. 2,869,776, 1-20-59, Cl. 232-7.
- Care, Richard L., to Grant Development Co. Dispensing machine. 2,894,612, 7-14-59, Cl. 194-2.
- Carew, Arthur W., to General Electric Co. Ice ejecting and storage means. 2,899,804, 8-18-59, Cl. 62-344.
- Carew, Herman, to American Can Co. Cup carrying package. 2,889,923, 6-9-59, Cl. 206-56.
- Carey, Earle H. Plastic rug cover. 2,894,553, 7-14-59, Cl. 150-52.
- Carey, James E.: See—
- Parry, Harvey L., and Carey. 2,909,494.
- Carey, Philip Mfg. Co., The: See—
- Cook, Henry A., Fleming, and Heilman. 2,884,380.
- Fasold, George A., and Blough. 2,871,817.
- Carey Wesley G., Jr. Rotating valve for internal combustion engines. 2,874,686, 2-24-59, Cl. 123-190.
- Carfagni, Arthur B. Amalgam carrier and dispenser. 2,903,794, 9-15-59, Cl. 32-60.
- Cargill, Allan C., to International Business Machines Corp. Marine time system. 2,897,648, 8-4-59, Cl. 58-26.
- Cargill, Sylvester H., and W. L. Harkess; said Harkess assor. to said Cargill. Wrapping machine. 2,894,362, 7-14-59, Cl. 53-182.
- Cargille, R. P. Laboratories, Inc.: See—
- Allen, Roy M. 2,869,417.
- Caribonum Ltd.: See—
- Francis, Frederick G., and Neale. 2,915,415.
- Phillipotts, George C. 2,885,302.
- Carlman, Charles J., to E. I. du Pont de Nemours and Co. Production of metal compositions. 2,917,393, 12-15-59, Cl. 106-39.
- Carls, Carl F., to General Motors Corp. Speed responsive control device. 2,910,974, 11-3-59, Cl. 123-103.
- Carlsiml, Louis C., to Sperry Rand Corp. Shaver with rolling combs. 2,880,503, 4-7-59, Cl. 30-34.
- Carkhuff, Donald W.: See—
- Acomb, Byron H., Pennstrom, and Carkhuff. 2,878,075.
- Carkhuff, Le Roy F., to Diamond Gardner Corp. Printing attachment for machine. 2,915,963, 12-8-59, Cl. 101-35.
- Carkhuff, Le Roy F., and R. J. Fahey, to Diamond Gardner Corp. Carton closing and sealing apparatus. 2,881,938, 4-14-59, Cl. 216-29.
- Carl, Wendel. Violin breaking-in apparatus. 2,911,872, 11-10-59, Cl. 84-173.
- Carl, William P., and R. R. Gilruth, to Dynamic Developments, Inc. Hydrofoil graft. 2,914,014, 11-24-59, Cl. 114-66.5.
- Carlberg, Erik R., to Aktiebolaget Elektrolux. Locking device for telescopically fitted parts. 2,884,270, 4-28-59, Cl. 287-58.
- Carle, Amos E. Variable speed transmission. 2,894,405, 7-14-59, Cl. 74-230.17.
- Carle, Don W., and W. Van Wormer, to Beckman Instruments, Inc. Fluid sampling device. 2,916,057, 12-8-59, Cl. 141-27.
- Carlen Corp.: See—
- Davis, Carl H., and Grand. 2,904,468.
- Carlén, Sölve, and S. A. Lundquist, to Bolldens Gruvaktiebolag. Annealing properties of copper. 2,897,107, 7-28-59, Cl. 148-13.2.
- Carleo, Vincent A. 50% to G. H. Loeb, Jr. Combination storage and dispensing device for wound material. 2,871,078, 1-27-59, Cl. 312-39.
- Carleton, Emile J., to Hydraulic Engineering Co., Inc. Variable capacity pump. 2,907,279, 10-6-59, Cl. 103-120.
- Carleton, Granville E., J. W. Harrison, A. M. Heitman, and P. Dantowitz, to General Electric Co. Control system for turbine drives. 2,894,521, 7-14-59, Cl. 137-17.
- Carleton, Henry. Impact accelerometer. 2,868,611, 1-13-59, Cl. 346-7.
- Carleton, James T., to Westinghouse Electric Corp. Generator power factor, voltage and current control apparatus. 2,879,464, 3-24-59, Cl. 322-24.
- Carletti, Aristide. Folding bed. 2,897,519, 8-4-59, Cl. 5-177.
- Carley, Edmond G., and J. M. Wainwright, to E. I. du Pont de Nemours and Co. Production of chlorinated ethylene. 2,894,045, 7-7-59, Cl. 260-654.
- Carlors Bruk, E. Bjorklund & Co. Kommanditbolag: See—
- Ek, Stig Y., and Eldh. 2,894,864.
- Carlisle, Alfred E., to Talon, Inc. Method of making adjustable fastener track. 2,896,099, 7-21-59, Cl. 310-26.
- Carlisle, Charles P. Fish lure. 2,912,784, 11-17-59, Cl. 43-42.17.
- Carlisle, Herbert J., to Polytechnic Institute of Brooklyn. Broadband power meter. 2,899,640, 8-11-59, Cl. 324-95.
- Carlisle, Herbert J., to Polytechnic Institute of Brooklyn. Multiplex signalling system. 2,899,650, 8-11-59, Cl. 333-9.
- Carlino, Anthony J.: See—
- Mecco, Jerry M., Carlino, and Zimmerman. 2,881,045.
- Carlisle, A. D. and E. A. Combined bib and apron. 2,905,943, 9-29-59, Cl. 2-49.
- Carlisle, Charles H.: See—
- Flatow, Tobias, and Carlisle. 2,894,596.
- Carlisle, Charles H., and T. Flatow, to Jersey Production Research Co. Method of determining the dip of geologic formations in the vicinity of a borehole. 2,902,106, 9-1-59, Cl. 181-5.
- Carlisle Chemical Works, Inc.: See—
- Mack, Gerry P., and Parker. 2,914,506.
- Carlisle Corp.: See—
- Olson, Frank R. 2,911,237.
- Carlisle, Elizabeth A.: See—
- Carlisle, A. D. and E. A. 2,905,943.
- Carlisle, James V., and T. M. Arnold, to Ethyl Corp. Apparatus for cell constructions. 2,912,750, 11-17-59, Cl. 29-256.
- Carlisle, Willis C.: See—
- McCarrell, John H., and Carlisle. 2,869,568.
- Carlisle, Willis C., J. H. McCarrell, and T. R. Stalder, to Macco Oil Tool Co., Inc. Multiple gas lift production. 2,876,703, 3-10-59, Cl. 103-4.
- Carlo Erba S.p.A.: See—
- Giraldi, Pier N., and Logemann. 2,892,865.
- Logemann, Willy, and F. Lauria. 2,873,278.
- Carls, William. Control valve for fluid circuits. 2,902,050, 9-1-59, Cl. 137-599.
- Carlsen, Earl W., and A. Baum. Automatic box filler. 2,896,384, 7-28-59, Cl. 53-59.
- Carlsen, Leonard O.: See—
- Baxter, Meriwether L., Jr., and Carlsen. 2,895,384.
- Carlsen, Leonard O., to The Gleason Works. Feed mechanism for a machine for cutting gears and the like. 2,895,385, 7-21-59, Cl. 90-6.
- Carlsen, Leonard O., to The Gleason Works. Backlash-free spindle drive gearing. 2,905,007, 9-22-59, Cl. 74-409.
- Carlsen, Leonard O., to The Gleason Works. Bevel gear generating machine. 2,917,974, 12-22-59, Cl. 90-3.
- Carlsen, Leonard O., W. C. Critchley, and C. F. Magee, to The Gleason Works. Machine and method for producing tapered gears. 2,869,427, 1-20-59, Cl. 90-3.
- Carlsen, Leonard O., A. H. Krastel, and E. Quincey, to The Gleason Works. Hydraulic motion transmitting system. 2,882,685, 4-21-59, Cl. 60-54.5.
- Carlsen, Leonard O., and A. H. Krastel, to The Gleason Works. Index mechanism for a gear machine or the like. 2,898,780, 8-11-59, Cl. 74-816.
- Carlsen, Leonard O., and H. A. Male, to The Gleason Works. Chamfering machine. 2,898,813, 8-11-59, Cl. 90-1.4.
- Carlsen, Leonard O., and R. F. Pigage, to The Gleason Works. Gear cutting machine and method and cutter therefor. 2,913,962, 11-24-59, Cl. 90-5.
- Carlsen, Victor, to Molon Motors and Coil Corp. Induction motor armature control. 2,869,008, 1-13-59, Cl. 310-209.
- Carlsmith, Lawrence A., and J. P. Rich, to Improved Machinery, Inc. Particle advancing apparatus. 2,878,116, 3-17-59, Cl. 92-7.
- Carlsmith, Lawrence A., and J. P. Rich, to Improved Machinery, Inc. Particle advancing apparatus. 2,878,117, 3-17-59, Cl. 92-7.
- Carlson, Arthur E. Apparatus for the production of reinforced sheet materials. 2,880,781, 4-7-59, Cl. 154-1.7.
- Carlson, Arthur G. Combined spectacles and hearing aid with automatic self-seating earphone. 2,874,230, 2-17-59, Cl. 179-107.
- Carlson, Arthur H., to Holland Co. Ride stabilizer for lateral motion truck. 2,905,106, 9-22-59, Cl. 105-197.



- Carlson, Arthur W., to United States of America, Air Force. Non-saturating transistor ring counter. 2,910,596, 10-27-59, Cl. 307-88.5.
- Carlson, Axel S. Cemetery vase. 2,898,705, 8-11-59, Cl. 47-41.
- Carlson, Barber C., to Dow Corning Corp. Concrete of improved strength. 2,898,221, 8-4-59, Cl. 106-90.
- Carlson, Bernard E., and A. D. Nathan, to E. & J. Mfg. Co. Anesthetic gas machine. 2,870,764, 1-27-59, Cl. 128-188.
- Carlson, Byron, and J. H. Klanke, to McCulloch Corp. Combination balling and cooling water pump. 2,903,991, 9-15-59, Cl. 115-17.
- Carlson, Carl A., D. L. Pommer, and L. H. Reiten, to General Tool & Engineering Inc. Bottle handling machine. 2,900,775, 8-25-59, Cl. 53-160.
- Carlson, Carl H., and W. L. Russell. Adjustable telescopic handles for broom head stubs and the like. 2,881,018, 4-7-59, Cl. 287-108.
- Carlson, Chesley F., and F. L. Remmele. Work holding pliers. 2,913,943, 11-24-59, Cl. 81-412.
- Carlson, Chester F., to The Battelle Development Corp. Apparatus for developing electrostatic images on sheet material. 2,876,737, 3-10-59, Cl. 118-637.
- Carlson, Chester F., to Haloid Xerox Inc. Apparatus for xerographic development. 2,918,900, 12-29-59, Cl. 118-637.
- Carlson, David J.: See—
- Fogarty, Charles F., and Carlson. 2,890,849.
- Carlson, David J., to Radio Corp. of America. U.H.F.-V.H.F. R.F. amplifier for use in tuners. 2,880,282, 3-31-59, Cl. 179-171.
- Carlson, David J., and G. J. Geyer. Self-loading truck. 2,897,985, 8-4-59, Cl. 214-75.
- Carlson, Donald E., to Joslyn Mfg. & Supply Co. Adjustable support for transmission lines. 2,886,269, 5-12-59, Cl. 248-70.
- Carlson, Edmond W.: See—
- Eisenberg, Irwin W., Carlson, Love, Stadler, Costantino, Trammell, and Dibble. 2,916,695.
- Eisenberg, Irwin W., Carlson, Love, Stadler, Costantino, Trammell, and Dibble. 2,916,699.
- Carlson, Edward C. Bouquet holder. 2,906,061, 9-29-59, Cl. 47-41.
- Carlson, Elliott C. B., to W. F. & John Barnes Co. Can cover feed. 2,906,072, 9-29-59, Cl. 53-67.
- Carlson, Elmer T., and A. R. Constantine, to Electric Distribution Products, Inc. Bus duct system. 2,879,319, 3-24-59, Cl. 174-70.
- Carlson, Elmer T., and A. R. Constantine, to Electric Distribution Products, Inc. Electrical distribution system. 2,903,503, 9-8-59, Cl. 174-99.
- Carlson, Elmer T., and A. R. Constantine, to Electric Distribution Products, Inc. Electrical distribution system. 2,907,839, 10-6-59, Cl. 200-50.
- Carlson, Emory J., to Allied Chemical Corp. Method for combating fungus employing  $\text{CCl}_4$ . 2,906,662, 9-29-59, Cl. 167-22.
- Carlson, Emil, to Pioneer Specialty Co. Driving mechanism for retractable antennae. 2,870,973, 1-27-59, Cl. 242-54.
- Carlson, Ernest A., and C. J. Pryor, to The Olafsson Corp. Hydraulic mechanism for retracting diamond boring tool. 2,916,951, 12-15-59, Cl. 77-3.
- Carlson, Ernest C., to International Harvester Co. Reciprocating conveyor hay crusher. 2,909,988, 10-27-59, Cl. 100-98.
- Carlson, Floyd E., to Sundstrand Machine Tool Co. Flow controller unit for stack valve. 2,869,567, 1-20-59, Cl. 137-117.
- Carlson, Frank A., Jr.: See—
- Aykianian, Ardasha A., and Carlson. 2,905,972.
- Carlson, Frederick L.: See—
- Facchini, Rigo R. 2,895,627.
- Carlson, Frederick O., to H. K. Porter Co., Inc. Tape reel. 2,893,655, 7-7-59, Cl. 242-84.8.
- Carlson, Frederick O., to H. K. Porter Co., Inc. Ruler constructions. 2,893,656, 7-7-59, Cl. 242-84.8.
- Carlson, George R. Rotary work supporting and indexing apparatus. 2,900,770, 8-25-59, Cl. 51-237.
- Carlson, Gilbert F., to Bell & Gossett Co. Vacuum breaker. 2,848,921, 8-11-59, Cl. 137-207.
- Carlson, Gilbert F., to Bell & Gossett Co. Pressure reducing valve. 2,899,973, 8-18-59, Cl. 137-505.41.
- Carlson, Gordon A., S. W. Brown, and J. E. Zettl, to Columbia-Southern Chemical Corp. Purifying alkali metal hydroxide solutions. 2,884,309, 4-28-59, Cl. 23-184.
- Carlson, Harold. Apparatus for electrical recording in telephoto systems. 2,879,127, 3-24-59, Cl. 346-74.
- Carlson, Harold A., A. W. Zuh, and O. J. Elckmann, to ACF Industries, Inc. Secondary fuel control for two-stage carburetor. 2,890,031, 6-9-59, Cl. 261-23.
- Carlson, Harry A., deceased; J. R. Nelson, administrator. Bookbinding strips. 2,918,066, 12-22-59, Cl. 129-19.
- Carlson, Harry N., and R. L. Pitchford, to Standard Gage Co., Inc. Adjustable setting master for dial bore gages. 2,893,128, 7-7-59, Cl. 33-143.
- Carlson, John A.: See—
- Larson, Harry I. 2,870,991.
- Carlson, John A. Preformed and bonded masonry wall structure. 2,882,712, 4-21-59, Cl. 72-16.
- Carlson, Martin. Automatic door operator. 2,869,861, 1-20-59, Cl. 268-66.
- Carlson, Martin, to G. W. Housby, Jr. Safety door stop. 2,890,475, 6-16-59, Cl. 16-82.
- Carlson, Morris W., to General Motors Corp. Tool. 2,885,919, 5-12-59, Cl. 81-56.
- Carlson, Norman G., to Minnesota Mining and Mfg. Co. Polymerization of fluorocethylene monomers. 2,912,373, 11-10-59, Cl. 204-163.
- Carlson, Oliver. Flexible stabilizer bar for the track roller and meat hook unit on overhead conveyor tracks. 2,907,250, 10-6-59, Cl. 104-89.
- Carlson, Paul G., to Solar Aircraft Co. Variable speed gas turbine. 2,893,295, 7-21-59, Cl. 60-39.16.
- Carlson, Raymond E. Truck wheel and tire dismounter and changer. 2,903,049, 9-8-59, Cl. 157-1.
- Carlson, Reuben C.: See—
- De Cola, Rinaldo E., Carlson, and Adel. 2,868,156.
- De Cola, Rinaldo E., Carlson, and Schrot. 2,898,563.
- Honeywell, Charles E., Carlson, and Wolf. 2,898,463.
- Carlson, Reuben C., to Admiral Corp. Very high frequency tuner. 2,868,982, 1-13-59, Cl. 250-40.
- Carlson, Reuben C., to Admiral Corp. Dial disc turret tuner with chassis centrally disposed between discs. 2,868,955, 1-13-59, Cl. 250-40.
- Carlson, Reuben C., to Admiral Corp. Cabinet support. 2,877,973, 3-17-59, Cl. 248-163.
- Carlson, Reuben C., to Admiral Corp. Chassis assembly for TV tuner. 2,878,378, 3-17-59, Cl. 250-20.
- Carlson, Reuben C. Tuner having wafer switch discs shielded from turret switch discs by chassis. 2,898,465, 8-4-59, Cl. 250-40.
- Carlson, Richard G., to Hoffman Electronics Corp. Conductor insulator combinations or the like. 2,919,300, 12-29-59, Cl. 174-153.
- Carlson, Roy H., and W. W. Anderson. Brush with detachable bristles. 2,912,709, 11-17-59, Cl. 15-178.
- Carlson, Theodore F. Ball suspension joints. 2,885,236, 5-5-59, Cl. 287-90.
- Carlson, Wilbur L., to General Motors Corp. Pole pieces. 2,913,603, 11-17-59, Cl. 310-42.
- Carlson, William L., Jr., and R. C. Erickson, to Minneapolis-Honeywell Regulator Co. Fluid actuator. 2,897,650, 8-4-59, Cl. 60-52.
- Carlson, William L., Jr., and W. J. Robinson, to Minneapolis-Honeywell Regulator Co. Relay. 2,890,310, 6-9-59, Cl. 200-112.
- Carlsson, Alvar. Liquid sprayers. 2,908,297, 10-13-59, Cl. 141-20.
- Carlsson, Hans T. H. Alternating current generators, especially for automotive vehicles. 2,902,606, 9-1-59, Cl. 307-10.
- Carlsson, Sven, and K. R. Larsen, to AB Svenska Flaktfabriken. Apparatus for treating boards of delaminated wood or similar materials in sheet form. 2,881,534, 4-14-59, Cl. 34-163.
- Carlstedt, Ragnar L., to DHB Corp. Boring machines. 2,878,693, 3-24-59, Cl. 77-3.
- Carlstedt, Ragnar L., to The R. K. LeBlond Machine Tool Co. Depth gage for boring machines. 2,891,424, 6-23-59, Cl. 77-3.
- Carlstedt, Ragnar L., to The R. K. LeBlond Machine Tool Co. Tangential supply of oil through the work clamp. 2,903,915, 9-15-59, Cl. 77-3.
- Carlstedt, Ragnar L., to The R. K. LeBlond Machine Tool Co. Apparatus for preventing vibration of boring bars. 2,903,916, 9-15-59, Cl. 77-3.
- Carlstedt, Ragnar L., to The R. K. LeBlond Machine Tool Co. Steady rest structure. 2,903,917, 9-15-59, Cl. 77-3.
- Carlstedt, Ragnar L., to DHB Corp. Deep hole boring machine. 2,909,946, 10-27-59, Cl. 77-3.
- Carlstedt, Ragnar L., to DHB Corp. Coolant pump and spindle motor controls. 2,909,947, 10-27-59, Cl. 77-3.
- Carlstedt, Ragnar L., and W. Brandt, to D H B Corp. Depth indicator. 2,876,662, 3-10-59, Cl. 77-3.
- Carlston, Earl F.: See—
- Butler, Judson C., Lum, and Carlston. 2,878,235.
- Carlston, Earl F., and G. B. Johnson, to California Research Corp. Preparation of unsaturated polyesters by the reaction of, first, isophthalic acid and a glycol, followed by reaction with unsaturated aliphatic polybasic acid. 2,904,533, 9-15-59, Cl. 260-75.
- Carlston, Herald L. Filling unit. 2,918,921, 12-29-59, Cl. 129-16.1.
- Carlstrom, Ture H., to Sylvania Electric Products Inc. Insulating heater within cathode sleeves. 2,915,355, 12-1-59, Cl. 316-1.
- Carlton, Earl. Buffing wheel. 2,913,856, 11-24-59, Cl. 51-193.
- Carlton, Jean. Measuring and detecting apparatus. 2,878,674, 3-24-59, Cl. 73-432.
- Carlton, Lawrence W.: See—
- Kramer, Vance M., and Carlton. 2,879,953.
- Kramer, Vance M., and Carlton. 2,888,712.
- Kramer, Vance M., and Carlton. 2,909,198.
- Carlton, Lynn R., to Erie Foundry Co. Control for a fluid operated hammer. 2,892,449, 6-30-59, Cl. 121-30.
- Carlton, Raymond R., to Omak Industries, Inc. Saw bar with nose insert. 2,897,856, 8-4-59, Cl. 143-32.
- Carlton, Raymond R., to Omak Industries, Inc. Saw chain cutters with thin cutting portion and thick base. 2,897,857, 8-4-59, Cl. 143-135.

- Carlton, Raymond R., and P. E. Mortensen, to Omak Industries, Inc. Automatic cutter grinder. 2,898,708, 8-11-59, Cl. 51-98.
- Carlton, Stuart S., to Horizons Titanium Corp. Production of lower valent halides of Ta, Nb, Ti and V. 2,868,704, 1-13-59, Cl. 204-64.
- Carlton, Stuart S., and B. C. Raynes, to Horizons Titanium Corp. Electrolytic process. 2,880,149, 3-31-59, Cl. 204-64.
- Carlton, Vida M., 1/2 to D. Howerton. Stand for reading instruction and the like. 2,867,917, 1-13-59, Cl. 35-35.
- Carlyle, Robert L., to The Dow Chemical Co. Process for the production of acrylic acid esters. 2,917,538, 12-15-59, Cl. 260-486.
- Carlyle, Robert L., and E. F. Morris, to Continental Oil Co. Metal-containing organic compositions and method of preparing same. 2,889,279, 6-2-59, Cl. 252-18.
- Carlyle, Robert L., and E. F. Morris, to Continental Oil Co. Magnesium containing organic compositions and method of preparing the same. 2,885,913, 7-21-59, Cl. 252-18.
- Carlsen, Carl F., to Sylvania Electric Products, Inc. Hopper construction for automatic assembly apparatus. 2,893,597, 7-7-59, Cl. 221-238.
- Carlsen, Carl F., and W. L. Lehner, to Sylvania Electric Products, Inc. Automatic assembly apparatus. 2,873,513, 2-17-59, Cl. 20-203.
- Carlsen, Carl F., and W. L. Lehner, to Sylvania Electric Products, Inc. Automatic assembly apparatus. 2,903,697, 9-15-59, Cl. 1-2.
- Carman, Alga L., to Metropolis Bending Co. Crib and play pen unit. 2,889,560, 6-9-59, Cl. 5-100.
- Carman, Justice N., Jr., to Pacific Semiconductors, Inc. Glass sealed crystal rectifier. 2,881,369, 4-7-59, Cl. 317-234.
- Carman, William R.: See—
- Brown, Joseph M., Carman, and Zwirn. 2,877,459.
- Carmen, Lloyd H.: See—
- Clay, Burton B., and Carmen. 2,898,509.
- Carmichael, Joel. Compost making device. 2,880,074, 3-31-59, Cl. 23-259.1.
- Carmichael, Mead S., Jr., and R. A. Stark, to The Scott Viner Co. Leveling device for mobile viner. 2,918,292, 12-22-59, Cl. 280-6.
- Carmichael, Robert: See—
- Hentley, Alton K., and Carmichael. 2,901,526.
- Carmichael, Robert, and L. G. Coon, to Union Carbide Corp. Microswitch structure. 2,885,517, 5-5-59, Cl. 200-168.
- Carmichael, Robert D., to Southern States Equipment Corp. Silver collar. 2,908,945, 10-20-59, Cl. 19-159.
- Carmichael, Robert D., and J. S. Meek, to Southern States Equipment Corp. Silver guide for textile coiler. 2,897,550, 8-4-59, Cl. 19-159.
- Carmichael, Robert L., to Bell Telephone Laboratories, Inc. Two terminal monostable transistor switch. 2,889,510, 6-2-59, Cl. 320-1.
- Carmichael, Thomas F., to Synco Corp. Electromagnetic device. 2,878,404, 3-17-59, Cl. 310-38.
- Carmichael, Walter C., to American Optical Co. Spectacle cases. 2,913,100, 11-17-59, Cl. 206-5.
- Carmody, Don R.: See—
- Zletz, Alex, and Carmody. 2,892,305.
- Zletz, Alex, and Carmody. 2,893,202.
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- Carmody, Raymond F., to Socony Mobil Oil Co., Inc. Mixed resinous esters of oil-modified alkyd resins and of partially esterified epoxide resins. 2,887,459, 5-19-59, Cl. 260-22.
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- Carnagui, Harold E.: See—
- Simpson, John M., and Carnagui. 2,911,856.
- Carnagua, Harold E., to Borg-Warner Corp. Automatic transmission and control system therefor. 2,911,848, 11-10-59, Cl. 74-472.
- Carnahan, Robert E.: See—
- Bloom, Barry M., and Carnahan. 2,894,972.
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- Carolina Knitting Machine Corp.: See—
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- Carolina Textile Engraving Co.: See—
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- Caroluzza, Joseph C. Scrubbing brush with cleaning detergent. 2,887,709, 5-26-59, Cl. 15-136.
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- Carosella, Michael C., J. H. Jacobs, and T. R. McNeill, to Union Carbide Corp. Lead removal in the electrowinning of chromium. 2,872,395, 2-3-59, Cl. 204-105.
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- Caroselli, Remus F.: See—
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- Carp, Arthur. Can opener. 2,891,310, 6-23-59, Cl. 30-15.5.
- Carpenter, Arthur H., deceased; V. C. Carpenter, executrix. Testing device. 2,888,331, 5-26-59, Cl. 23-253.
- Carpenter, Catherine E.: See—
- Hiney, Daniel K., and Carpenter. 2,897,488.
- Carpenter, Clifford L., and S. J. Silvis, to Colgate-Palmolive Co. Concentrating detergent solution. 2,879,839, 3-31-59, Cl. 159-47.
- Carpenter, David L., and L. E. Clements, to International Telephone and Telegraph Corp. Automatic automotive headlight dimming circuit. 2,917,665, 12-15-59, Cl. 315-83.
- Carpenter, Edward F. Cable puller. 2,896,911, 7-28-59, Cl. 254-134.3.
- Carpenter, Edward L., W. H. Wieber, and S. S. Wisotsky, to American Radiator & Standard Sanitary Corp. Method for twisting tubing. 2,881,517, 4-14-59, Cl. 29-423.
- Carpenter, Ernest L. Self-propelled dispensing and spreading unit and compacter. 2,906,438, 9-29-59, Cl. 222-177.
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- Carpenter, Irvin M.: See—
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- Welter, George I., and Carpenter. 2,918,741.
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- Carpenter, Kenneth L., to The Hoover Co. Capacitor run motors. 2,907,904, 10-6-59, Cl. 310-166.
- Carpenter, L. E., & Co., Inc.: See—
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- Carpenter, Louis M. Wire stripping apparatus. 2,902,797, 9-8-59, Cl. 51-80.
- Carpenter, Marlon S., and W. M. Easter, Jr., to The Glvaudan Corp. 4-tert-butyl  $\alpha$ -methyl hydrocinnamic aldehyde. 2,875,131, 2-24-59, Cl. 167-94.
- Carpenter, Marlon S., W. M. Easter, Jr., and T. F. Wood, to The Glvaudan Corp. Substituted tetrahydronaphthalenes. 2,897,237, 7-28-59, Cl. 260-592.
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- Carpenter, Marshall M., Jr., to United States of America, Army. System for increasing signal to noise ratio of pickup tubes. 2,892,027, 6-23-59, Cl. 178-7.2.
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- Carpenter, Paul G., to Phillips Petroleum Co. Process of plasticizing high mooney synthetic rubber with a low mooney synthetic rubber. 2,877,200, 3-10-59, Cl. 260-33.6.
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- Carpenter, Paul G., to Phillips Petroleum Co. Disposable rubber products. 2,898,999, 8-11-59, Cl. 166-46.
- Carpenter, Paul G., to Phillips Petroleum Co. Kick-off for gas-lift wells. 2,913,931, 11-17-59, Cl. 102-20.
- Carpenter, Richard A., to Callery Chemical Co. Process for the preparation of trialkoxyborohydrides. 2,895,985, 7-21-59, Cl. 260-462.
- Carpenter, Rupert E. H. Electromagnetic relays. 2,891,200, 6-16-59, Cl. 317-193.
- Carpenter, Rupert E. H. Pivotal supports. 2,901,298, 8-25-59, Cl. 308-159.
- Carpenter Steel Co., The: See—  
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Kegerise, Wesley R., and Heydt. 2,875,042.  
Kegerise, Wesley R., and Lanphier. 2,891,858.
- Carpenter, Thomas J., and A. A. Olsen, to General Electric Co. Lightning arrester improvements. 2,890,389, 6-9-59, Cl. 317-70.
- Carpenter, Tracy L., to Tracy Accessories, Inc. Automobile door lock mechanism. 2,893,774, 7-7-59, Cl. 292-280.
- Carpenter, Victor W., and J. M. Jackson, to Armco Steel Corp. Production of insulative coatings on silicon steel strip. 2,906,645, 9-29-59, Cl. 117-127.
- Carpenter, Virginia C.: See—  
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- Carpenter, William P., to The Superior Electric Co. Attachment plug. 2,910,625, 10-27-59, Cl. 317-14.
- Carper, Harold R., 35 20/36% to C. F. Spickelmier, 32 8/36% to E. S. Greer, and 32 8/36% to B. S. Spickelmier. Apparatus for making composite slabs. 2,897,570, 8-4-59, Cl. 25-1.
- Carper, Royce E. Holder for fishing rod and reel. 2,902,237, 9-1-59, Cl. 248-42.
- Carpinella, Michael J., to Scovill Mfg Co. Prong ring fastener members. 2,916,788, 12-15-59, Cl. 24-216.
- Carpino, Frank. Box blank. 2,901,158, 8-25-59, Cl. 229-35.
- Carr, Aloysius J. Shaftless mill roll stand. 2,899,145, 8-11-59, Cl. 242-58.6.
- Carr, Barney J., and V. D. Peckham, to United States of America, Atomic Energy Commission. Precision time-delay generator. 2,891,155, 6-16-59, Cl. 250-27.
- Carr, Boyd H., R. E. Gunderman, and R. M. Karilinski, to The Dow Chemical Co. Synthetic fibers having a natural crimp and method for preparing the same. 2,880,056, 3-31-59, Cl. 18-54.
- Carr, Charles J., and E. Burns. Self-cleaning collapsible reamer. 2,882,019, 4-14-59, Cl. 255-73.
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- Carr, Charles J., and J. B. Washburn. Directional well bore roller bit. 2,886,293, 5-12-59, Cl. 255-313.
- Carr, Donald E., to Phillips Petroleum Co. Fuel containing anti-leak additives. 2,876,750, 3-10-59, Cl. 123-1.
- Carr, Donald E., to Phillips Petroleum Co. Asphaltic coating composition and method of application. 2,918,940, 12-29-59, Cl. 138-68.
- Carr, Dugald M., to The Chemical and Industrial Corp. Catalytic apparatus. 2,899,285, 8-11-59, Cl. 23-288.
- Carr, Edward W.: See—  
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- Carr, Edward W., and G. E. Hansen, to Crane Co. Calibrated relief valve. 2,908,288, 10-13-59, Cl. 137-540.
- Carr, John H., to Dura-Vent Corp. Vent pipe. 2,894,537, 7-14-59, Cl. 138-63.
- Carr, John H., to Dura-Vent Corp. Snap-in lug-in-groove type resilient conduit joint. 2,910,308, 10-27-59, Cl. 285-27.
- Carr, John H., to Dura-Vent Corp. Double wall pipe coupling with locking means. 2,910,311, 10-27-59, Cl. 285-133.
- Carr, John J., and J. N. Scheub. Belt construction. 2,885,685, 5-12-59, Cl. 2-321.
- Carr, Laurence H., to The Edward Valves, Inc. Method of providing a wear resistant surface. 2,903,564, 9-8-59, Cl. 219-107.
- Carr, Lawrence V.: See—  
Pidgeon, Elmer E., and Carr. 2,879,965.
- Carr, Norman L.: See—  
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- Carr, Norman L., to The Pure Oil Co. Isomerization of paraffinic hydrocarbons and method of activating the isomerization catalyst. 2,917,565, 12-15-59, Cl. 260-683.65.
- Carr, Norman L., to The Pure Oil Co. Isomerization of N-paraffin hydrocarbons. 2,917,566, 12-15-59, Cl. 260-683.66.
- Carr, Norman L., V. Brozowski, and O. L. Beber, to The Pure Oil Co. Process for isomerizing saturated hydrocarbons. 2,918,510, 12-22-59, Cl. 260-683.65.
- Carr, Otis T. Amusement device. 2,912,244, 11-10-59, Cl. 272-18.
- Carr, Raymond M.: See—  
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- Carr, Richard C.: See—  
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- Carr, Robert W.: See—  
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- Carr, Scott W.: See—  
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- Carr, William F., to Lear, Inc. Permanent magnet rotor. 2,877,366, 3-10-59, Cl. 310-156.
- Carr, William, Jr. Apparatus for cleaning Venetian blinds. 2,878,820, 3-24-59, Cl. 134-122.
- Carrabino, Joseph D.: See—  
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- Carrara, Gino, and E. Testa, to Lepetit S.p.A. Purified pyridoxine, analogs and process. 2,897,203, 7-28-59, Cl. 260-295.
- Carraway, William M. Illuminated fishing indicator. 2,871,607, 2-3-59, Cl. 43-17.
- Carrell, Ross M., to United States of America, Air Force. Ribbon-type magnetic armature transducer. 2,890,289, 6-9-59, Cl. 179-115.
- Carrie, William D., to Crane Co. Parts washer. 2,872,895, 2-10-59, Cl. 118-73.
- Carrie, William D., to Crane Co. Plastic fitting testing device. 2,885,886, 5-12-59, Cl. 73-37.5.
- Carrier Conveyor Corp.: See—  
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- Carrier Corp.: See—  
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- Carrier, Robert M., Jr., to Carrier Conveyor Corp. Vibratory spiral conveyor. 2,877,890, 3-17-59, Cl. 198-220.
- Carrier, Robert M., Jr., to Carrier Conveyor Corp. Apparatus for material treatment. 2,918,070, 12-22-59, Cl. 134-132.
- Carrigan, Charles F. Pleat forming guide. 2,879,927, 3-31-59, Cl. 223-34.
- Carrigan, Carlton E., to Fairchild Engine and Airplane Corp. Passivation of stainless steel alloys. 2,890,974, 6-16-59, Cl. 148-6.14.
- Carrigan, Tracy, to Food Machinery and Chemical Corp. Adjustable support for an automobile jack. 2,892,513, 6-30-59, Cl. 187-8.43.
- Carriol, Louis A., to S. A. T. A. M., Societe Anonyme pour Tous Appareillages Mecaniques. Filling apparatus with an automatic stop. 2,871,894, 2-3-59, Cl. 141-209.
- Carriol, Louis A., to S.A.T.A.M. Societe Anonyme Pour Tous Appareillages Mecaniques. Liquid dispensing apparatus. 2,885,119, 5-5-59, Cl. 222-72.
- Carroll, Benjamin: See—  
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- Carroll, Benjamin, and V. Kitter, to Helogen Products, Inc. Dlatomic iodine-forming composition and method of making the same. 2,902,405, 9-1-59, Cl. 167-70.
- Carroll, Bernard J.: See—  
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- Carroll, Burt H., and J. E. Jones, to Eastman Kodak Co. Supersensitization of photographic emulsions using triazines. 2,875,058, 2-24-59, Cl. 96-104.
- Carroll, Charles, to Duff-Norton Co. Worm drive mechanism. 2,884,800, 5-5-59, Cl. 74-425.
- Carroll, Earl J. Can hanger. 2,879,966, 3-31-59, Cl. 248-311.
- Carroll, Esther T. Sectional insert for unfitted ladies handbags. 2,899,998, 8-18-59, Cl. 150-30.
- Carroll, Francis E.: See—  
Henderson, Lloyd F., and Carroll. 2,868,731.

- Carroll, James H., and R. S. Hammer, to Phillips Petroleum Co. Continuous polymerization process for production of high-solids latex. 2,872,438, 2-3-59, Cl. 260-83.7.
- Carroll, James H., and J. A. Runberg, to Phillips Petroleum Co. Production of colorless emulsion-polymerized polymers. 2,888,498, 5-26-59, Cl. 260-680.
- Carroll, James S.: See—  
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- Carroll, John D.: See—  
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- Carroll, John E.: See—  
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- Carroll, John E., to General Railway Signal Co. Conveyor control system. 2,880,891, 4-7-59, Cl. 214-11.
- Carroll, John E., and J. G. Murray. Electric arc welding power supply. 2,873,356, 2-10-59, Cl. 219-131.
- Carroll, John L., and J. Ewels, to Electric & Musical Industries Ltd. Modulating circuits. 2,900,608, 8-18-59, Cl. 332-52.
- Carroll, John R., to Borg-Warner Corp. Baseboard diffuser. 2,912,917, 11-17-59, Cl. 98-108.
- Carroll, Joseph D. Gas operated safety warning device. 2,878,774, 3-24-59, Cl. 116-112.
- Carroll, Joseph J.: See—  
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- Carroll, Murray N., and W. M. Kennedy, to Celanese Corp. of America. Textile treatment beam. 2,912,298, 11-10-59, Cl. 8-154.
- Carroll, Robert L. Checking device. 2,878,840, 3-24-59, Cl. 139-167.
- Carroll, Maurice C. E., and A. F. Jullien, to Societe Anonyme des Laboratoires Robert & Carriere. 2-(2'-isopropyl-4'-chloro-5'-methyl-phenoxy)-ethyl-2-imidazole and its pharmaceutical uses. 2,915,431, 12-1-59, Cl. 167-52.
- Carruthers, Elton H. Artificial bait and method of activating bait. 2,895,249, 7-21-59, Cl. 43-4.
- Carruthers, Elton H. Automatic leveling mechanism for harvesting machine. 2,913,865, 11-24-59, Cl. 56-209.
- Carruthers, Walter W., and C. L. Kirkpatrick, to United States of America, Navy. Sonar trainer. 2,918,650, 12-22-59, Cl. 340-6.
- Carry, William J.: See—  
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- Carshells, Ivan J.: See—  
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- Carson, Frank J., to Libbey-Owens-Ford Glass Co. Method of bending and cutting glass sheets. 2,880,553, 4-7-59, Cl. 49-79.
- Carson, Frank J., and H. A. Leffert, Jr., to Libbey-Owens-Ford Glass Co. Method and apparatus for bending glass sheets. 2,893,170, 7-7-59, Cl. 49-67.
- Carson, Franklin D. Ball catapulting device. 2,911,758, 11-10-59, Cl. 46-145.
- Carson, Otto L. Brush holder for paint pot. 2,905,419, 9-22-59, Cl. 248-110.
- Carson, Raymond M. Towing bar with wide-range hitch. 2,918,310, 12-22-59, Cl. 280-478.
- Carson, Samuel R. Concrete block construction with a compartment having a knock-out panel. 2,900,814, 8-25-59, Cl. 72-41.
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- Carstensen, Harold K.: See—  
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- Carstensen, Palle. Flexible containers. 2,907,496, 10-6-59, Cl. 222-92.
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- Cart, Theodore S., to Atlantic Products Corp. Ventilated golf bag. 2,867,257, 1-6-59, Cl. 150-1.5.
- Cart, Theodore S. Bowling ball bag. 2,872,029, 2-3-59, Cl. 206-1.
- Carter, Alton L. Tire deflation signal. 2,882,362, 4-14-59, Cl. 200-61.24.
- Carter, Andrew G., to A. G. and H. T. Carter, d.b.a. Carter Engineering Co. Safety-belt buckle. 2,904,866, 9-22-59, Cl. 24-170.
- Carter, Arthur J. Ash receptacle. 2,903,172, 9-8-59, Cl. 224-28.
- Carter, Clare A.: See—  
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- Carter, Clare A., to Unipol Carbide Corp. Production of nonionic surface active agents. 2,870,220, 1-20-59, Cl. 260-815.
- Carter, Clarence F. Machine for dispensing liquids into containers. 2,904,221, 9-15-59, Cl. 222-146.
- Carter, Crawford F., and J. L. Dreher, to California Research Corp. Low temperature method for preparing high temperature greases. 2,892,778, 6-30-59, Cl. 252-33.6.
- Carter, Daniel H., and O. R. Smith, to Welx, Inc. Drilling mud filter cake resistivity measurement. 2,914,725, 11-24-59, Cl. 324-30.
- Carter, Daniel H., and R. H. Huddleston, Jr., to Welx, Inc. Well fluids resistivity measurement apparatus. 2,871,445, 1-27-59, Cl. 324-30.
- Carter, Elbert P., and H. J. Stinger, to E. I. du Pont de Nemours and Co. Apparatus and method for testing electric blasting caps. 2,905,869, 9-22-59, Cl. 317-149.
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- Carter, Harold. Game. 2,899,206, 8-11-59, Cl. 273-120.
- Carter, Harriett T.: See—  
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- Carter, Herman T., and S. A. Kelnhofer, to Bell Telephone Laboratories, Inc. Multistation telephone intercommunicating and conference system. 2,883,437, 4-21-59, Cl. 179-1.
- Carter, Hugh P.: See—  
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- Carter, Ivan P. V.: See—  
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- Carter, James C. Float for fishing rod and reel. 2,885,817, 5-12-59, Cl. 43-25.
- Carter, James P., to United Shoe Machinery Corp. Shoe machines. 2,885,980, 5-12-59, Cl. 112-52.
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- Carter, John N., and D. N. Rosenblatt, to The Elmco Corp. Method for the isothermal treatment of alloys after casting. 2,875,109, 2-24-59, Cl. 148-3.
- Carter, Joseph H. Steering mechanism for toy vehicles. 2,888,778, 6-2-59, Cl. 46-201.
- Carter, Larry J., to Farnam Mfg. Co., Inc. Reconstituted mica heating element. 2,870,277, 1-20-59, Cl. 200-19.
- Carter, Leon S., 20% to D. S. Polk. Rib type ventilated garment construction. 2,897,506, 8-4-59, Cl. 2-87.
- Carter, Leslie F., to Sperry Rand Corp. Miniature gyro compass. 2,887,784, 5-26-59, Cl. 33-226.
- Carter Mfg. Corp.: See—  
Graustein, Walter W., Jr. 2,884,506.
- Carter, Newell A., and V. E. Hemborg, to Food Machinery and Chemical Corp. Article diverter for roller conveyors. 2,874,818, 2-24-59, Cl. 193-36.
- Carter, Norman D., H. V. Hess, and M. D. Riordan, to Texaco Inc. Method for the regeneration of zeolite molecular sieve solid selective adsorbents. 2,908,639, 10-13-59, Cl. 208-310.
- Carter, Norman D., and H. V. Hess, to Texaco, Inc. Isomerizing a C<sub>6</sub> hydrocarbon fraction. 2,918,511, 12-22-59, Cl. 260-683.65.
- Carter Parts Co.: See—  
Frantz, Nicholas. 2,901,565.  
Frantz, Nicholas. 2,909,615.  
Glovick, Stanley, and Frantz. 2,903,540.  
Raab, Andrew F. 2,901,574.
- Carter, Paul H., to The Maryland Cup Co. Resilient paper covers for containers and method of manufacture. 2,879,935, 3-31-59, Cl. 229-43.
- Carter Products, Inc.: See—  
Berger, Frank M. 2,872,370.  
Berger, Frank M., and Ludwig. 2,878,280.  
Berger, Frank M., and Ludwig. 2,884,444.  
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Bondi, Henry S., and Spitzer. 2,916,384.  
Nasarevich, Leo S., and Spitzer. 2,916,383.
- Carter, Ralph B., Co.: See—  
Nemecsek, Louis J. 2,899,908.
- Carter, Ralph H.: See—  
Bley, Rudolph S., Carter, Edgar, Graybeal, and Schmidt. 2,898,627.
- Carter, Ralph H., and C. B. Kingsbury, to North American Rayon Corp. Method and apparatus for plying and cabling yarn. 2,881,584, 4-14-59, Cl. 57-61.
- Carter, Ralph H., C. B. Kingsbury, and D. J. Lamb, to North American Rayon Corp. Yarn crimping apparatus. 2,900,753, 8-25-59, Cl. 57-34.
- Carter, Richard H., to The Postoria Pressed Steel Corp. Motor driven pumps. 2,875,694, 3-3-59, Cl. 103-87.
- Carter, Robert C., to Collins Radio Co. Voltage regulator with limited current drain. 2,888,633, 5-26-59, Cl. 323-9.
- Carter, Robert L., to Clark Equipment Co. Steering mechanism for motor vehicles. 2,900,195, 8-18-59, Cl. 280-95.
- Carter, Robert O.: See—  
Terlecki, Renat, and Carter. 2,910,535.
- Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Spotting mechanism for use with article banding machines. 2,880,845, 4-7-59, Cl. 198-33.
- Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Apparatus for arranging like articles in uniformly spaced relation. 2,890,787, 6-16-59, Cl. 198-34.
- Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Article-orienting means for use in conveyor apparatus having a rotary spacer screw. 2,911,089, 11-3-59, Cl. 198-33.
- Carter-Waters Corp., The: See—  
Kulhavy, George W., and Coleman. 2,869,356.
- Carter, William A., to I-T-E Circuit Breaker Co. Measuring system for measuring magnetic flux as a function of exciting current. 2,911,589, 11-3-59, Cl. 324-43.
- Carter, William H., Jr. Sealed radioactivity sample chamber. 2,892,086, 6-23-59, Cl. 250-44.
- Carter, William H., Jr., to Nelson M. Brown. Electrically actuated speed control mechanism for engines. 2,911,077, 11-3-59, Cl. 192-3.



- Carter, Willis M.: See—  
Clare, Thomas H., and Carter. 2,881,497.
- Carthay, Alexander F., to Channel Master Patent Corp. Foldable antenna structures. 2,897,495, 7-28-59, Cl. 343-803.
- Carthay, Alexander F., to Channel Master Corp. Reflector structures for antennas. 2,898,592, 8-4-59, Cl. 343-817.
- Cartledge, Frank, and J. Gonski, to Goodman Mfg. Co. Boring type mining machine having drum type cusp cutter. 2,868,528, 1-13-59, Cl. 262-7.
- Cartledge, Frank, and J. Gonski, to Goodman Mfg. Co. Boring type mining machine having cutter chain cusp removing means. 2,916,273, 12-8-59, Cl. 262-7.
- Cartledge, John R., and C. B. Krokeler, to The Cincinnati Mine Machinery Co. Fastening means for cutter chain pintles. 2,913,917, 11-24-59, Cl. 74-254.
- Cartmell, Thomas R., and J. F. Gifford, to United States of America, Atomic Energy Commission. Airborne radiation detector. 2,898,497, 8-4-59, Cl. 313-93.
- Carton Associates, Inc.: See—  
Curry, John F. 2,877,614.  
Curry, John F. 2,918,765.
- Cartoux, Henri, and P. Freyssinet, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Automatic feed device for industrial apparatus. 2,888,156, 5-26-59, Cl. 214-18.
- Cartoux, Henri, to H. C. Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Safety device for remotely controlled manipulators. 2,899,477, 8-11-59, Cl. 13-16.
- Cartwright, Charles R., to Hercules Powder Co. Saponification of toluic acid esters. 2,916,514, 12-8-59, Cl. 260-515.
- Cartwright, Conrad Y.: See—  
Brown, George W., Cartwright, Hutter, McCann, Nyberg, Skeirik, and Krag. 2,909,968.
- Cartwright, Herbert K., to D. Napier & Son Ltd. Control apparatus for aircraft propulsion units embodying variable pitch constant speed airscrews. 2,872,986, 2-10-59, Cl. 170-135.74.
- Cartwright, Robert W., H. A. Field, F. H. Kruger, and L. W. Malzahn, to Western Electric Co., Inc. Control circuits. 2,878,890, 3-24-59, Cl. 183-4.1.
- Cartwright, Victor F.: See—  
Albro, Paul W., and Cartwright. 2,885,553.
- Cartwright, Victor F. Test apparatus for measuring time delays. 2,915,700, 12-1-59, Cl. 324-57.
- Carty, John. Retractable hitch structure for house trailers or the like. 2,896,969, 7-28-59, Cl. 280-491.
- Carus Chemical Co.: See—  
Carus, Milton B. 2,908,620.
- Carus, Milton B., to Carus Chemical Co. Production of potassium permanganate. 2,908,620, 10-13-59, Cl. 204-82.
- Caruso, Anthony M. Rotary container dispensers. 2,889,187, 6-2-59, Cl. 312-97.1.
- Caruso, Anthony M. Non-conductive coupling. 2,911,246, 11-3-59, Cl. 287-108.
- Carvajal, Fernando, to Schering Corp. Hydroxylated steroid intermediates and methods for their manufacture. 2,887,499, 5-19-59, Cl. 260-397.45.
- Carvalho, Jones N. Gyroscope motor. 2,899,945, 8-18-59, Cl. 123-18.
- Carver, August B., to United States of America, Navy. Missile protective package. 2,903,124, 9-8-59, Cl. 206-3.
- Carver, Fred S., deceased; W. S. Carver, P. H. Condit, and J. A. Schaines, executors; said F. S. Carver, assor, to Fred S. Carver, Inc. Multi-chamber press. 2,917,992, 12-22-59, Cl. 100-37.
- Carver, Fred S., Inc.: See—  
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- Carver, Gordon M., Jr., and W. Barber, to American Cyanamid Co. Surgical ligature dispenser. 2,893,548, 7-7-59, Cl. 206-63.3.
- Carver, Robert W. Combined card mount and pocket and method of making same. 2,898,257, 8-4-59, Cl. 154-116.
- Carver, Russell H. Belt tighteners. 2,897,683, 8-4-59, Cl. 74-242.1.
- Carver, William S.: See—  
Carver, Fred S. 2,917,992.
- Carwin Co., The: See—  
Saylth, Adnan A. R. 2,892,866.  
Van Winckel, Carl E., and Click. 2,916,430.
- Cary, Henry H., and R. C. Hawes, to Applied Physics Corp. Wide-range spectrophotometer. 2,879,393, 3-24-59, Cl. 250-43.5.
- Cary, John E., R. E. Shafer, and V. Cary. Self propelled fibre harvesting and recorteciating machine. 2,905,974, 9-29-59, Cl. 19-12.
- Cary, John E., R. E. Shafer, and V. Cary. Fibre stripping device. 2,906,394, 9-29-59, Cl. 198-185.
- Cary, John R., to The Garrett Corp. Spray type evaporative cooler. 2,867,990, 1-13-59, Cl. 62-171.
- Cary, Valerie: See—  
Cary, John E., Shafer, and V. Cary. 2,905,974.  
Cary, John E., Shafer, and V. Cary. 2,906,394.
- Casablancas High Draft Co., Ltd.: See—  
Noguera, Joseph. 2,893,065.  
Noguera, Joseph. 2,899,714.
- Casabona, Anthony M., to International Telephone and Telegraph Corp. Landing and traffic control system. 2,878,469, 3-17-59, Cl. 343-112.
- Casacel, Severin X.: See—  
Danel, Pierre E., Casacel, and Jarrian. 2,875,979.
- Casacel, Severin X., to Etablissements Neyrie. Thrust bearing construction for rotatable spindles and the like. 2,906,571, 9-29-59, Cl. 308-160.
- Casagrande, Arthur, C. P. Besse, and J. H. Bigham, to California Research Corp. Stabilization of submarine raft foundations. 2,895,301, 7-21-59, Cl. 61-46.3.
- Casagrande, Robert M., R. L. Motard, and C. O. Reed, Jr., to Shell Development Co. Engaging finely-divided solids with a conveying gas. 2,912,284, 11-10-59, Cl. 302-53.
- Casale, Umberto. Machine for shaping already raised dough into bread sticks of the type called "grissini." 2,892,422, 6-30-59, Cl. 107-4.
- Casanova, Lou C.: See—  
Miller, Arthur A. 2,881,572.  
Miller, Arthur A. 2,887,832.
- Casanova, Gervasio G.: See—  
Casanova, Juan D., and G. G. 2,915,245.
- Casanova, Juan D., and G. G. Payroll change calculating attachment. 2,915,245, 12-1-59, Cl. 235-146.
- Casas, Antonio L. Unlocking device for automobiles. 2,907,237, 10-6-59, Cl. 81-3.
- Casas-Robert, Ramon, and M. Fresard, to Meffina S. A. Device for the automatic fixing of control cams on their shaft in a zig-zag stitch sewing machine. 2,879,732, 3-31-59, Cl. 112-158.
- Cascadden, Lewis E.: See—  
Casey, Walter P., Jr., Cascadden, and Lawson. 2,895,810.
- Cascade Mfg. Co.: See—  
Farmer, Stanley E., and Derhalli. 2,914,368.  
Farmer, Stanley E., and Faust. 2,874,862.
- Cascades Plywood Corp.: See—  
Whiting, Herbert G. 2,899,991.
- Casco Products Corp.: See—  
Sheahan, Robert E. 2,914,650.  
Stahl, Gerald E. 2,871,814.
- Case, Everett N., to Sinclair Refining Co. Process for breaking petroleum emulsions employing certain oxyalkylated phenol-aldehyde resins. 2,883,367, 5-5-59, Cl. 252-331.
- Case, Everett N., to Sinclair Refining Co. Cast corrosion inhibitor particle for oil wells. 2,891,009, 6-16-59, Cl. 252-8.55.
- Case, Everett N., to Sinclair Refining Co. Composition of matter. 2,895,974, 7-21-59, Cl. 260-413.
- Case, Arthur W., to General Motors Corp. Atmospheric nozzle for fuel injection system. 2,913,235, 11-17-59, Cl. 261-78.
- Case, J. L. Co.: See—  
Arnold, Bruce C. 2,893,249.  
Arnold, Bruce C. 2,914,966.
- Bushmeyer, Richard W. 2,897,903.
- Christenson, Donald J. 2,916,189.
- Christenson, Donald J., Hansen, and Richardson. 2,892,671.
- Cole, John M., and Henry. 2,918,307.
- Degenhardt, Wilmar W. 2,880,564.
- Downey, Wayne A. 2,878,035.
- Dumanowski, Ferdinand J. 2,916,330.
- Dutcher, Ival G. 2,888,088.
- Dwyer, William J. 2,871,779.
- Gowalt, Elmer H., and Jozwik. 2,877,616.
- Gordon, Edward D. 2,879,854.
- Heth, Sherman C. 2,892,245.
- Irvine, Houston N. 2,889,607.
- Kline, Harry E., and Vitor. 2,869,652.
- Krause, Norman R., Heth, and Naery. 2,887,761.
- Lolizzo, John R., and Matthews. 2,876,639.
- Markel, John M. 2,876,014.
- Naery, John S. 2,882,671.
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- Padrick, John R. 2,872,883.
- Redetzke, Emory C. 2,873,149.
- Reeser, Esral M. 2,899,840.
- Rogers, Richard E. 2,887,990.
- Schwegler, Roy F. 2,868,307.
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- Schwegler, Roy F. 2,906,354.
- Seale, William L. 2,913,150.
- Smith, Carlisle F. 2,891,418.
- Smith, Carlisle F., and Skromme. 2,872,860.
- Weiss, Webster J. 2,911,904.
- Wenzel, Philip D. 2,879,856.
- Yeske, Laurel R. 2,918,256.
- Case, George L., to General Electric Co. Support strap for electron gun structures. 2,909,689, 10-20-59, Cl. 313-82.
- Case, James W. Method of producing a glass-reinforced plastic article. 2,906,656, 9-29-59, Cl. 154-90.
- Case, John S. Universal joint. 2,867,101, 1-6-59, Cl. 64-9.
- Case, John S. Oscillating disc pump. 2,906,209, 9-29-59, Cl. 103-142.
- Case, Leslie C., to Gulf Oil Corp. Process for cleaning permeable formations. 2,877,848, 3-17-59, Cl. 166-42.
- Case, Morris A.: See—  
Barton, Clarence D., and Case. 2,869,944.
- Case, Noel L., and J. L. Dohanic, to Louis Marx & Co., Inc. Toy. 2,890,887, 6-16-59, Cl. 274-1.
- Casella, Joseph, Jr., to National Research Corp. Separation of compounds. 2,916,517, 12-8-59, Cl. 260-586.

- Casella, Secondo L.: See—  
Morey, Sigmund M., and Casella. 2,893,269.
- Casey, Carl: See—  
Poole, Foster M. 2,901,830.
- Casey, Charles L., and J. B. Ryno, to Reliable Engineering Co. Vending machine. 2,885,051, 5-5-59, Cl. 194-71.
- Casey, Lemuis A. Coffee maker. 2,875,681, 3-3-59, Cl. 99-287.
- Casey, Edward J., to United States of America, Army. Wide band discriminator. 2,918,577, 12-22-59, Cl. 250-27.
- Casey, Gregory M.: See—  
Casey, Robert T., and G. M. 2,917,179.
- Casey, John A., to Air Reduction Co., Inc. Process for preparing saturated monohydric alcohols. 2,908,722, 10-13-59, Cl. 260-642.
- Casey, Joseph J.: See—  
Donald, Russell S., Briggs, and Casey. 2,892,067.
- Casey, Patricia L. Multi-use chair. 2,900,011, 8-18-59, Cl. 155-127.
- Casey, Robert F., to Allen B. Du Mont Laboratories, Inc. Delay sweep circuit. 2,871,350, 1-27-59, Cl. 250-27.
- Casey, Robert F., to Allen B. Du Mont Laboratories, Inc. Regenerative delay circuit. 2,891,151, 6-16-59, Cl. 250-27.
- Casey, Robert F., to Allen B. du Mont Laboratories, Inc. Adjustable horizontal sweep circuit. 2,897,358, 7-28-59, Cl. 250-27.
- Casey, Robert F., to Allen B. Du Mont Laboratories, Inc. Retriggered direct coupled sweep circuit. 2,904,680, 9-15-59, Cl. 250-27.
- Casey, Robert T. Tachistoscope. 2,869,252, 1-20-59, Cl. 35-35.
- Casey, Robert T., to General Electric Co. Circuit breaker panelboard. 2,910,629, 10-27-59, Cl. 317-119.
- Casey, Robert T. and G. M. Record holder. 2,917,179, 12-15-59, Cl. 211-40.
- Casey, Thomas M.: See—  
Nichols, George E., Nelson, Casey, and Hogan. 2,909,129.
- Casey, Walter P., Jr., L. E. Cascadden, and L. L. Lawson, to Pler Inc. Apparatus for regenerating spent water softening agents. 2,865,810, 7-21-59, Cl. 23-285.
- Casey, William D., Jr. Pressurized container closure. 2,868,419, 1-13-59, Cl. 222-394.
- Cash, A. W. Co.: See—  
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- Cash, A. W. Valve Mfg. Corp.: See—  
Terry, Charles M. 2,872,939.  
Terry, Charles M. 2,917,074.  
Terry, Charles M. 2,917,075.
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- Cash, Homer O. Safety device for putting an automobile into a non-drivable disposition. 2,882,986, 4-21-59, Cl. 180-82.
- Cashin, Inc.: See—  
Cervone, Glen I. 2,903,032.
- Casida, John E., and B. W. Arthur, to Wisconsin Alumni Research Foundation. Process of preparing dimethyl-2,2,2-trichloro-1-N-butylphosphonate. 2,911,435, 11-3-59, Cl. 260-461.
- Casimir, Hendrik B. G.: See—  
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- Casius Corp. Ltd.: See—  
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Holmerson, Knut H. 2,901,807.  
Olsson, Karl G. 2,895,204.  
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Schmidt, Bertil J. M., and Olsson. 2,905,566.  
Ulfstedt, Leo T. 2,879,578.  
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- Caskey, Paul H., and A. C. Reents, to Illinois Water Treatment Co. Method of regenerating ion exchangers. 2,891,007, 6-16-59, Cl. 210-35.
- Casler, Roger H.: See—  
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Sedergren, Erling D. 2,880,823.
- Caslow, Joseph H., and D. J. Detrich, to American Brake Shoe Co. Apparatus for moving and positioning a movable means. 2,879,644, 3-31-59, Cl. 60-54.5.
- Caspari, Hans A., to Spinnbau G.m.b.H. Friction clutch. 2,904,977, 9-22-59, Cl. 64-30.
- Cass, Oliver W., to E. I. du Pont de Nemours and Co. Hydrogenation of compounds absorbed on the catalytic support. 2,867,628, 1-6-59, Cl. 260-346.8.
- Cass, Samuel, and J. T. Hewton, to Canadian General Electric Co., Ltd. Traffic actuated traffic light control system. 2,908,891, 10-13-59, Cl. 340-31.
- Cassel, Jonathan F.: See—  
Wolff, Franz-Toni. 2,904,871.
- Cassell, William C. Engine liquid cooling system. 2,890,686, 6-16-59, Cl. 123-41.5.
- Cassella Farbwerte Malnkur Akt.: See—  
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- Cassidy, Elaine T.: See—  
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- Cassidy, Harold G., to Research Corp. Acylated vinylhydroquinones and polymeric products thereof. 2,906,736, 9-29-59, Cl. 260-47.
- Cassidy, Harold G., and M. Ezrin, to Research Corp. Combined electron and ion exchange compositions. 2,900,353, 8-18-59, Cl. 260-2.2.
- Cassidy, Robert J., to Pace, Inc. Bath apparatus. 2,904,037, 9-15-59, Cl. 128-66.
- Cassie, Frank J.: See—  
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- Cassin, John M.: See—  
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- Cassinelli, Alfred S. Brass instrument mouthpiece. 2,917,964, 12-22-59, Cl. 84-398.
- Cassioppi, Frank J. Lemon slice squeezers. 2,879,710, 3-31-59, Cl. 100-234.
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- Castello, William, E. K. Kaprelian, and R. Mayer. Motorized viewing device for movie films. 2,905,050, 9-22-59, Cl. 88-16.8.
- Castello, William, and E. K. Kaprelian, to The Kalart Co., Inc. Viewing device for viewing and editing movie films. 2,906,167, 9-29-59, Cl. 88-24.
- Castel, Jacques H., to PGAC Development Co. Sample taking apparatus. 2,917,280, 12-15-59, Cl. 14.
- Castellano, Eugene N., to The Seymour Mfg. Co. Method of making ductile copper platings. 2,871,173, 1-27-59, Cl. 204-52.
- Castelli, Charles, to Johnson & Johnson. Dispensing device. 2,872,950, 2-10-59, Cl. 141-24.
- Castelli, Charles, to Johnson & Johnson. Bottle and closure. 2,892,560, 6-30-59, Cl. 215-59.
- Castelli, Charles, to Johnson & Johnson. Dental floss container. 2,893,405, 7-7-59, Cl. 132-92.
- Castellini, Nello R., and A. J. Di Giacomo, to United States of America, Army. Radio direction finder. 2,900,633, 8-18-59, Cl. 343-118.
- Casten, Ray J. Navigational plotting instrument. 2,871,567, 2-3-59, Cl. 33-75.
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- Caster, Mitchell C. Automobile bumper jack. 2,874,935, 2-24-59, Cl. 254-99.
- Casteran, Jean: See—  
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- Casthor, S. A.: See—  
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- Castigliano, Silvio G. Field shaping device. 2,888,572, 5-26-59, Cl. 250-105.
- Castiglione, Paul: See—  
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- Castle, Charles H.: See—  
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- Castle Machines, Inc.: See—  
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- Castle, William S.: See—  
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- Castles, Peter A.: See—  
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- Castles, Walter, Jr., to Georgia Tech Research Institute. Power unit for the conversion of heat energy of fluids into mechanical energy. 2,890,570, 6-16-59, Cl. 60-39.35.
- Castner, John F.: See—  
Richardson, Ralph R., and Castner. 2,879,700.
- Castonquay, Leon H., and W. H. St. Cyr, Sr., 25% to N. S. Blodgett, Valve. 2,886,059, 5-12-59, Cl. 137-493.
- Castor, Richard R.: See—  
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- Castro Convertible Corp.: See—  
Barabas, John J. 2,892,484.
- Castrucio, Peter A., and M. G. Woolfson, to Westinghouse Electric Corp. Pulse length discriminator. 2,896,093, 7-21-59, Cl. 307-88.5.
- Caswell, Arthur S., to I-T-E Circuit Breaker Co. Auxiliary spring closing device. 2,868,330, 1-13-59, Cl. 185-37.
- Caswell, Arthur S., to I-T-E Circuit Breaker Co. Arc chute construction having resilient spacing means. 2,905,792, 9-22-59, Cl. 200-144.
- Caswell, Arthur S., and J. D. Wood, to I-T-E Circuit Breaker Co. Differential piston for recirculating gas blast interrupters. 2,905,793, 9-22-59, Cl. 200-148.
- Catalano, Joseph J., P. Schletewitz, and T. Coffey. Stamp dispensing machine having selectively positionable cutters operable to sever a predetermined number of stamps. 2,876,835, 3-10-59, Cl. 164-42.
- Catalano, Philip F.: See—  
Eastman, Willard B., and Catalano. 2,900,944.
- Cataldo, John B.: See—  
Scott, William M., Jr., and Cataldo. 2,884,548.
- Catalin Corp. of America: See—  
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- Cataline, Aclal L., and G. E. Buske, to Motor Wheel Corp. Drive mechanism for self-propelled lawn mowers. 2,909,232, 10-20-59, Cl. 180-19.
- Catanach, Arthur E., to Gulf Oil Corp. Method for decomposing sulfuric acid sludge. 2,894,819, 7-14-59, Cl. 23-177.



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- Cate, Malcolm S., to The B. F. Goodrich Co. Apparatus for making footwear. 2,900,953, 8-25-59, Cl. 118-217.
- Caterpillar Tractor Co.: See—
- Bennett, Francis W. 2,874,656.
- Cain, Donald E., and Zimmerman. 2,877,867.
- Coker, Morton M. 2,910,970.
- Goloff, Alexander. 2,905,022.
- Goloff, Alexander, and Robinson. 2,891,394.
- Greivell, Robert L. 2,891,681.
- Johnson, Harold R., and Lammers. 2,882,103.
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- Chabala, Leonard V., to Westinghouse Electric Corp. Automatic reclosers and sectionalizers. 2,875,381, 2-24-59, Cl. 317—22.
- Chabala, Leonard V., to Westinghouse Electric Corp. Automatic circuit reclosers. 2,888,198, 5-26-59, Cl. 235—92.
- Chabala, Leonard V., and G. A. Rusnak, to Westinghouse Electric Corp. Fuse device. 2,871,313, 1-27-59, Cl. 200—113.
- Chabannes, Norbert A. R. Apparatus for controlling the path of movement of an object about an eccentric. 2,907,218, 10-6-59, Cl. 74—49.
- Chabot, Ferdinand E., to I-T-E Circuit Breaker Co. Plug in disconnects. 2,917,612, 12-15-59, Cl. 200—166.
- Chabot, Leo A., and B. J. Durand, to The Firestone Tire & Rubber Co. Latex slab making apparatus. 2,874,407, 2-24-59, Cl. 18—4.
- Chabotte, Alfred M.: See—  
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- Chace, Leroy M. Apparatus for indicating the air content of concretes and mortars. 2,892,343, 6-30-59, Cl. 73—19.
- Chace, Thomas B., to The Dole Valve Co. Ice maker and timer. 2,869,060, 1-13-59, Cl. 318—37.
- Chadbourne, Charles H. Writing or drawing instrument. 2,880,703, 4-7-59, Cl. 120—46.
- Chadbourne Gotham, Inc.: See—  
Bolles, James C., Matthews, and Bobo. Re. 24,737.
- Chaddey, Jack, and A. L. Burns, Jr., to Houston Oil Field Material Co., Inc. Pipe engaging tool. 2,912,273, 11-10-59, Cl. 294—86.
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- Chadsey, Earl E., Jr.: See—  
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- Chadwick, Alexander, to Chrysler Corp. Liquid fuel control mechanism. 2,901,030, 8-25-59, Cl. 158—36.4.
- Chadwick, David H.: See—  
Campbell, Charles H., and Chadwick. 2,877,260.
- Chadwick, David H. Floating knife unit for rotary cutting machines. 2,916,867, 12-15-59, Cl. 56—295.
- Chadwick, George A., and P. H. Girouard, to United States of America, Navy. Main battery multiple gun turret sight mechanism. 2,881,664, 4-14-59, Cl. 89—41.
- Chadwick, Joseph H., Jr., to United States of America, Navy. Control system for stabilizing fins. 2,890,673, 6-16-59, Cl. 114—122.
- Chaffe, Emory L.: See—  
Hammond, John H., Jr., and Chaffe. 2,915,405.
- Chaffee, Walter C., and C. L. Robinson, to Gardner-Denver Co. Cutting depth control device. 2,868,044, 1-13-59, Cl. 77—55.
- Chaffin, Frank R.: See—  
Shamban, William S., Traub, and Chaffin. 2,912,712.
- Chafet, Louis, and T. J. Cochrane, Jr., to Merck & Co., Inc. Recovery and concentration of bacitracin. 2,915,432, 12-1-59, Cl. 167—65.
- Chaiken, Leon: See—  
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- Chaille, Everett W. Power line support, or the like. 2,911,171, 11-3-59, Cl. 248—65.
- Chain Belt Co.: See—  
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- Katz, William J. 2,888,091.
- Katz, William J. 2,906,401.
- Koeske, Tom J. 2,909,274.
- Seldenstricker, Regis A. 2,888,143.
- Stuller, Walter H., and Burmeister. 2,880,890.
- Welser, Brinton. 2,869,379.
- Chakroff, Richard O. Power-operated, gear-driven pipe or tube coupling device. 2,907,242, 10-6-59, Cl. 81—57.
- Chalfant Products Co., Inc. The: See—  
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- Chalfin, Gregory T. Electrical game. 2,902,283, 9-1-59, Cl. 273—139.
- Chalkley, Lyman. Dye cyanides and photosensitive compositions containing same. 2,877,166, 3-10-59, Cl. 204—158.
- Chalkley, Lyman. Hydrophilic cyanide of para-amino triphenylmethane dyes. 2,877,167, 3-10-59, Cl. 204—158.
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- Chall, Harold J., to Friden, Inc. Shock absorbing selection mechanism for a calculating machine. 2,886,237, 5-12-59, Cl. 235—60.
- Chall, Harold J., and C. S. Balaz, to Friden, Inc. Repeat addition mechanism for ten key adding machine. 2,868,445, 1-13-59, Cl. 235—60.
- Chalmers, Frank L.: See—  
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- Chalmers, William M., to Youngstown Steel Car Corp. Air cushion suspension for single axles. 2,879,077, 3-24-59, Cl. 280—124.
- Chalos, Marcel, to Societe Anonyme dite: Societe des Grands Travaux de Marseille. Device for anchoring and joining the ends of cables and the like. 2,901,799, 9-1-59, Cl. 24—126.
- Cham, Edward J.: See—  
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- Chamberlain Corp.: See—  
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- Etten, Nicholas L. 2,879,841.
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- Etten, Nicholas L. 2,902,944.
- Kiffer, Desire A., and Orser. 2,869,839.
- Kiffer, Desire A., and Orser. 2,871,789.
- Kiffer, Desire A., and Orser. 2,908,283.
- Orser, Lawrence D. 2,895,507.
- Orser, Lawrence D. 2,895,617.
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- Chamberlain, David L., Jr., and W. H. Schechter, to Callery Chemical Co. Reduction of compounds with amine boranes. 2,898,379, 8-4-59, Cl. 260—618.
- Chamberlain, Edward G. Swimming buoy or apparatus. 2,898,610, 8-11-59, Cl. 9—17.
- Chamberlain, Harvey H.: See—  
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- Chamberlain, Harvey H., to General Electric Co. Electric instrument. 2,914,712, 11-24-59, Cl. 317—156.
- Chamberlain, Henry T.: See—  
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- Chamberlain, Lamar E.: See—  
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- Chamberlain, Orlo R. Climbing structure for children. 2,881,002, 4-7-59, Cl. 272—62.
- Chamberlain, Ralph J., to American Cyanamid Co. Anti-static polymeric coatings. 2,891,878, 6-23-59, Cl. 117—138.8.
- Chamberlain, Ralph J., to American Cyanamid Co. Fatty acid-epichlorohydrin adducts. 2,893,875, 7-7-59, Cl. 99—166.
- Chamberlain, Richard O., and C. E. Wakefield, Jr., to Richfield Oil Corp. Apparatus for controlling the flow of fluids in a multi-strata well. 2,869,645, 1-20-59, Cl. 166—185.
- Chamberlain, Richard O., and C. E. Wakefield, Jr., to Richfield Oil Corp. Flow control apparatus. 2,869,646, 1-20-59, Cl. 166—185.
- Chamberlin, Charles E., to Container Corp. of America. Bottle carrier crate. 2,907,509, 10-6-59, Cl. 229—15.
- Chamberlin, Coleman R. Shelf file. 2,885,083, 5-5-59, Cl. 211—10.
- Chamberlin Co. of America: See—  
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- Chamberlin, Earl M.: See—  
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- Chamberlin, Earl M., and J. M. Chemerda, to Merck & Co., Inc. 3-hydroxy-11-keto-bisnorallucholenic acid and the esters thereof. 2,897,212, 7-28-59, Cl. 260—397.1.
- Chamberlin, Earl M., and J. M. Chemerda, to Merck & Co., Inc. 3-hydroxy-11-keto-2 $\alpha$ -ergostene and esters thereof. 2,897,214, 7-28-59, Cl. 260—397.2.
- Chamberlin, Earl M., and J. M. Chemerda, to Merck & Co., Inc. 7-keto-3 $\alpha$ -cyclopentanopolycyclohexanethrene compounds. 2,902,482, 9-1-59, Cl. 260—239.55.
- Chamberlin, Earl M., and J. M. Chemerda, to Merck & Co., Inc. Preparation of 3 $\beta$ (11)-anhydro-steroids from 11 $\beta$ -hydroxy-steroids. 2,904,563, 9-15-59, Cl. 260—397.45.
- Chamberlin, Francis E., to Sinclair Refining Co. Mixed base sodium calcium grease manufacture. 2,915,468, 12-1-59, Cl. 252—40.
- Chamberlin, Harry C. Sound reproducing system. 2,910,298, 10-27-59, Cl. 274—4.
- Chamberlin, John M., and G. A. McElroy, to Palm-Roy, Inc. Spring wheel. 2,869,608, 1-20-59, Cl. 152—86.
- Chamberlin, Margaret S.: See—  
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- Chamberlin Products Corp.: See—  
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- Chamberlin, Reginald H. D., to D. Napier & Son Ltd. Resilient orbit gear and mounting therefor. 2,868,040, 1-13-59, Cl. 74—801.
- Chamberlin, Reginald H. D., to D. Napier & Son Ltd. Apparatus for cooling turbine wheels in combustion turbines. 2,912,221, 11-10-59, Cl. 253—39.15.
- Chamberlin, Reginald H. D., to D. Napier & Son Ltd. Cooling of turbine blades. 2,915,279, 12-1-59, Cl. 253—39.15.
- Chamberlin, Reginald H. D., D. H. Mallinson, and R. P. Probert, said Chamberlin assor. to D. Napier & Son Ltd., said Mallinson and said Probert assors. to Power Jets (Research and Development) Ltd. Flight-speed responsive fuel control system for jet propulsion power plant. 2,871,659, 2-3-59, Cl. 60—39.28.
- Chamberlin, Richard H.: See—  
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- Chambers Corp.: See—  
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- Chambers, John E. 2,907,317.
- Chambers, Ellsworth C. Fish line retrieving apparatus. 2,887,814, 5-26-59, Cl. 43—17.2.
- Chambers, Ferdinand F., to United Shoe Machinery Corp. Toe lasting machines for stitched shoes. 2,878,497, 3-24-59, Cl. 12—7.8.
- Chambers, George R., to Eitel-McCullough, Inc. Electron tube apparatus. 2,875,369, 2-24-59, Cl. 315—5.46.
- Chambers, Guy R., to Boeing Airplane Co. Angular position transducer. 2,909,764, 10-20-59, Cl. 340—177.
- Chambers, Herbert I., to Consolidated Electrodynamics Corp. Recording paper. 2,876,060, 3-3-59, Cl. 346—74.
- Chambers, Herbert I., to Consolidated Electrodynamics Corp. Speed change transmission. 2,881,640, 4-14-59, Cl. 74—681.
- Chambers, Herbert I., to Consolidated Electrodynamics Corp. Fast response servomotor system adapted for recording. 2,889,503, 6-2-59, Cl. 318—22.
- Chambers, Herbert I., to Consolidated Electrodynamics Corp. Oscillograph apparatus. 2,899,259, 8-11-59, Cl. 346—69.
- Chambers, Herbert I., and L. B. Browder, to Consolidated Electrodynamics Corp. Oscillograph apparatus. 2,876,059, 3-3-59, Cl. 346—74.
- Chambers, Herbert I., and A. W. Fischer, to Consolidated Electrodynamics Corp. Suspension means for string galvanometers. 2,886,782, 5-12-59, Cl. 324—154.
- Chambers, John. Method of making oral dentures. 2,896,265, 7-28-59, Cl. 18—55.1.

- Chambers, John E., to Chambers Corp. Broiler. 2,907,317, 10-6-59, Cl. 126—41.
- Chambers, Joseph W., to Big Genie Corp. Sink structure for garbage disposers. 2,902,700, 9-8-59, Cl. 4—187.
- Chambers, Lawrence S. Formation sampler device. 2,893,690, 7-7-59, Cl. 235—1.4.
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- Chambers, Robert R., and R. L. Foster, to Sinclair Refining Co. Process of hydrolyzing diisobutylene monochlorides. 2,885,445, 5-5-59, Cl. 260—640.
- Chambers, Robert R., R. H. Elkins, and J. J. Monagle, to Sinclair Refining Co. Process for olefin polymerization with alkyl aluminum-metal oxide catalyst. 2,899,419, 8-11-59, Cl. 260—94.9.
- Chambers, Thomas S., and R. T. Florence, to A. B. Dick Co. Water base stencil duplicating ink. 2,868,741, 1-13-59, Cl. 260—17.
- Chamness, Abe. Mechanics stool. 2,872,966, 2-10-59, Cl. 155—2.
- Chamot, Walter M., and J. M. Ferrara, to National Aluminate Corp. Treatment of hydrocarbon liquids. 2,914,417, 11-24-59, Cl. 106—243.
- Champ, Marcel. Feed device for an internal combustion engine. 2,895,462, 7-21-59, Cl. 123—133.
- Champa, Joseph A.: See—  
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- Champagnat, Alfred, to The British Petroleum Co. Ltd. Floating plastic screen. 2,867,346, 1-6-59, Cl. 220—26.
- Champagnat, Alfred, to The British Petroleum Co. Ltd. Liquid storage apparatus. 2,867,347, 1-6-59, Cl. 220—26.
- Champagne, Emory C., and J. A. Pfloh, to The Berger Brothers Co. Controlling garments. 2,867,216, 1-6-59, Cl. 128—429.
- Champain, Louis. Snow removal device. 2,900,744, 8-25-59, Cl. 37—33.
- Champion, Carl E., to Bendix Aviation Corp. Digi-graphic recorder. 2,907,020, 9-29-59, Cl. 340—347.
- Champion Corp.: See—  
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- Champion International Co.: See—  
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- Champion, James E.: See—  
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- Powell, Robert J., and Champion. 2,901,031.
- Powell, Robert J., and Champion. 2,902,016.
- Powell, Robert J., and Champion. 2,913,231.
- Powell, Robert J., and Champion. 2,913,233.
- Champion Paper and Fibre Co., The: See—  
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- Warner, Roger M. 2,873,605.
- Champion, Richard H., and J. H. Gillson, to General Motors Corp. Vehicle body exhaust port closure. 2,917,124, 12-15-59, Cl. 180—64.
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- Champion Spark Plug Co.: See—  
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- Schurecht, Harry G. 2,898,395.
- Schurecht, Harry G. 2,917,394.
- Champlain Co., Inc.: See—  
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- Haskin, Lawrence H., Jr. 2,912,926.
- Schwerer, George J., and Sorkin. 2,888,260.
- Champney, Guy W.: See—  
Christian, Carl A., and Champney. 2,888,628.
- Chan, Andre D. H., and R. E. Lambert, to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chanay & Crey. Method of tempering glass. 2,910,807, 11-3-59, Cl. 49—89.
- Chan, Charles R., to The Babcock & Wilcox Co. Vapor generating, superheating, and reheating method and apparatus therefor. 2,886,013, 5-12-59, Cl. 122—478.
- Chance, Leon H.: See—  
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- Drake, George L., Jr., Reeves, and Chance. 2,911,325.
- Reeves, Wilson A., Chance, and Drake. 2,889,289.
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- Reeves, Wilson A., Guthrie, and Chance. 2,912,412.
- Chance, Leon H., G. L. Drake, Jr., and W. A. Reeves, to United States of America, Agriculture. Flame resistant organic textiles and method of production. 2,870,042, 1-20-59, Cl. 117—136.
- Chance, Leon H., G. L. Drake, Jr., and W. A. Reeves, to United States of America, Agriculture. Phosphorus containing aziridinyl-alcohol polymers and flame resistant organic textiles. 2,886,538, 5-12-59, Cl. 260—2.
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- Chance, Ray. Dredge. 2,896,341, 7-28-59, Cl. 37—58.



- Chance Vought Aircraft, Inc.: See—  
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MacDonough, Edward P. 2,912,190.  
Murty, Kenneth T. 2,882,993.  
Myers, Richard H. 2,909,925.  
Redmond, William G. Re. 24,701.  
Riccius, Merrill V. 2,881,631.
- Chandler, Bruce C., and R. P. Wegner. Riding spurs. 2,907,161, 10-59, Cl. 54-83.  
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Chandler, Hagan H.: See—  
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Chandler, Milton H. Combined nose guard and teeth protector. 2,904,791, 9-22-59, Cl. 2-9.  
Chandler, Richard, to The British Petroleum Co. Ltd. Reactors. 2,878,108, 4-17-59, Cl. 23-288.  
Chandler, Robert F., Jr., and J. H. Judd, Jr., to Western Electric Co., Inc. Electrical terminal block. 2,884,613, 4-28-59, Cl. 339-198.  
Chandler, Roy L., and C. B. Ogle, Jr., to Atlas Scraper and Engineering Co. Combination two-way plow and tool carrier. 2,882,979, 4-21-59, Cl. 172-225.  
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Chandler, Walter G., to Bendix Aviation Corp. Wheel and brake assembly. 2,888,100, 5-26-59, Cl. 188-18.  
Chandler, Wesley M., and P. F. Heuser. Silencer for air vibrators. 2,884,901, 5-5-59, Cl. 121-17.  
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Chaney, John L. Cooking thermometer support. 2,906,124, 9-29-59, Cl. 73-374.  
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Chang, Melvin C. S., to Crucible Steel Co. of America. Process for treating materials containing titanium and iron. 2,912,320, 11-10-59, Cl. 75-34.  
Chang, Robert W. H., and N. G. Barker, to General Mills, Inc. Complexes of gamma glutamyl mono-esters. 2,915,540, 12-1-59, Cl. 260-429.9.  
Changwood Corp.: See—  
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Chao, David. Floor mop having a curved head compressible in a correspondingly curved path. 2,866,991, 1-6-59, Cl. 15-119.  
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Chao, Tsel Y., to Foster Wheeler Corp. Pellet forming apparatus. 2,898,625, 8-11-59, Cl. 18-2.7.  
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Kushner, Milton N., and Chapellier. 2,894,779.  
Chapellier, Robert A., to Combustion Engineering, Inc. Vessel support. 2,890,009, 6-9-59, Cl. 248-146.  
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Chapin, Earl C., and R. F. Smith, to Monsanto Chemical Co. Copolymer of a styrene compound and an unsaturated alcohol. 2,894,938, 7-14-59, Cl. 260-88.1.  
Chapin, Earl C., and R. F. Smith, to Monsanto Chemical Co. Styrene-allyl alcohol-acrylic ester terpolymers, process for preparing same and coating composition therefrom. 2,897,174, 7-28-59, Cl. 260-43.

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Chapin, Earl C., and L. P. Paradis, to Monsanto Chemical Co. Process for the polymerization of vinylidene monomers. 2,902,464, 9-1-59, Cl. 260-45.5.  
Chapin, Earl C., and R. I. Longley, Jr., to Monsanto Chemical Co. Isopropyl benzene-acrolein styrene terpolymer. 2,905,656, 9-22-59, Cl. 260-73.  
Chapin, Earl C., and M. E. Murphy, to Monsanto Chemical Co. Air drying films from unsaturated fatty acid metal salts. 2,916,392, 12-8-59, Cl. 106-243.  
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Chapin, Howard R., and F. R. Beck, to Controls Co. of America. Snap switch blade. 2,905,782, 9-22-59, Cl. 200-67.  
Chapin, Howard R., and F. R. Beck, to Controls Co. of America. Snap switch blade mounting. 2,919,319, 12-29-59, Cl. 200-67.  
Chapin, Irving F., to Bendix Aviation Corp. Adjustable cylinder brake. 2,875,857, 3-3-59, Cl. 188-72.  
Chapin, Ralph W., to Union Oil Co. of California. Method for burning oils. 2,894,823, 7-14-59, Cl. 23-230.  
Chapin, William T., to United States of America, Navy. Automatic power output and difference frequency control systems. 2,913,718, 11-17-59, Cl. 343-17.1.  
Chaplin, Rudolph W., to Knickerbocker Plastic Co., Inc. Music box construction. 2,880,640, 4-7-59, Cl. 84-95.  
Chaple, William F., and R. E. McMinn, to Black, Sivalls & Bryson, Inc. Apparatus for separating fluids. 2,868,315, 1-13-59, Cl. 153-2.7.  
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Chaplik, Rubin, and J. J. Shelley. Machine for making and flaking ice. 2,877,632, 3-17-59, Cl. 62-320.  
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Chaplin Corp.: See—  
Chaplin, Merle P. 2,872,093.  
Chaplin-Fulton Mfg. Co., The: See—  
Lofink, Raymond P. 2,896,660.  
Chaplin, Herbert E., to The Fairley Aviation Co. Ltd. Jet-propelled vertical take-off aircraft. 2,868,477, 1-13-59, Cl. 244-12.  
Chaplin, Herbert E., D. Wakeford, C. R. Churn, and M. F. Huxley, to The Fairley Aviation Co. Ltd. Aircraft control means. 2,876,968, 3-10-59, Cl. 244-83.  
Chaplin, Merle P., to Chaplin Corp. Molded pulp set-up box. 2,872,093, 2-3-59, Cl. 229-2.5.  
Chaplin, Oliver F., to Crown Zellerbach Corp. Napkin dispenser. 2,881,948, 4-14-59, Cl. 221-35.  
Chaplinski, Frank, to Carroll Dunham Smith Pharmaceutical Co. Article feeding equipment. 2,915,217, 12-1-59, Cl. 221-68.  
Chapman, Aubrey L., Jr., to Texas Instruments Inc. Moving magnet meter movement. 2,889,520, 6-2-59, Cl. 324-146.  
Chapman, Charles S., Jr., and K. W. Gage, to General Motors Corp. Transmission. 2,912,876, 11-17-59, Cl. 74-472.  
Chapman, Charles W., to General Electric Co. Control system for conveying apparatus. 2,888,129, 5-26-59, Cl. 198-82.  
Chapman, Charles W., to Twiflex Couplings Ltd. Torsionally resilient couplings. 2,910,844, 11-3-59, Cl. 64-19.  
Chapman Chemical Co.: See—  
Behr, Eldon A. 2,904,467.  
Ring, Robert G. 2,875,020.  
Chapman, Christopher L. C., to Yardney International Corp. Electrode bearing current-conducting network and method of producing same. 2,908,740, 10-13-59, Cl. 136-20.  
Chapman, Dennis R.: See—  
Bisby, Harry, Chapman, and Matthews. 2,891,699.  
Chapman, Edward P., Jr., and J. A. Wood, to Peerless Oil and Gas Co. Agricultural product and method. 2,904,424, 9-15-59, Cl. 71-52.  
Chapman, Elijah M. Automatic vise. 2,872,834, 2-10-59, Cl. 81-26.  
Chapman, Evart R.: See—  
Parker, Wilton E., Whitaker, Getz, Hertzog, and Chapman. 2,908,189.  
Chapman, Everett, to Nordberg Mfg. Co. Method of vaporizing a fuel. 2,907,648, 10-6-59, Cl. 48-219.  
Chapman, Fendol K. Multiple purpose portable tool. 2,892,350, 6-30-59, Cl. 74-16.  
Chapman, Francis E., to S. C. Johnson & Son, Inc. Water repellent and mar resistant coating composition containing a waxy dialkyl ether. 2,873,202, 2-10-59, Cl. 106-230.

- Chapman, Galen O. Thermostatic switch. 2,874,250, 2-17-59, Cl. 200-137.  
Chapman, George C., L. V. Pfander, and H. H. Holscher, to Owens-Illinois Glass Co. Electrode support for cathode-ray tubes. 2,905,846, 9-22-59, Cl. 313-78.  
Chapman, Gordon D. Reversible variable speed drive. 2,884,810, 5-5-59, Cl. 74-680.  
Chapman, Harlow M. Materials separation apparatus and method of materials separation. 2,896,744, 7-28-59, Cl. 183-83.  
Chapman, Harold E. Device for mixing or treating fluids or free-flowing powders. 2,896,926, 7-28-59, Cl. 259-140.  
Chapman, Harvey W., and H. L. Dunlap, to Evans Products Co. Resiliently mounted tie-down support rails. 2,873,693, 2-17-59, Cl. 105-368.  
Chapman, Harvey W., and H. L. Dunlap, to Evans Products Co. Freight loading apparatus. 2,893,328, 7-7-59, Cl. 105-369.  
Chapman, Harvey W., and H. L. Dunlap, to Evans Products Co. Grooved pin having a latch plate with an arrow-shaped opening. 2,900,864, 8-25-59, Cl. 85-8.9.  
Chapman, Herbert, to General Steel Wares Ltd. Selected area galvanizing method. 2,897,588, 8-4-59, Cl. 29-527.  
Chapman, John G. Loom buffer. 2,890,727, 6-16-59, Cl. 139-188.  
Chapman, Leslie R., Jr., J. W. Gray, and C. H. Jacobson, to General Precision Laboratory Inc. Drift calibration. 2,872,674, 2-3-59, Cl. 343-17.7.  
Chapman, Paul R., and A. A. Manteuffel, to The Pure Oil Co. Preparation of an extreme pressure additive and gear oil containing same. 2,910,438, 10-27-59, Cl. 252-46.6.  
Chapman, Percy D., to The Dorman Sprayer Co. Ltd. Sprayers and valves therefor. 2,887,122, 5-19-59, Cl. 137-495.  
Chapman, Ralph: See—  
Knight, Leonard M., and Chapman. 2,901,265.  
Chapman, Richard F., to International Telephone and Telegraph Corp. Synchronization of motor rotated elements. 2,894,187, 7-7-59, Cl. 318-71.  
Chapman, Robert G.: See—  
Klopp, Joseph C., and Chapman. 2,869,751.  
Chapman, Roger, and L. E. Robinson, to International Standard Electric Corp. Semi-conductor amplifiers. 2,901,556, 8-25-59, Cl. 179-171.  
Chapman Valve Mfg. Co., The: See—  
Tefs, Edwin O. 2,898,932.  
Chapman, Walter R., and A. Talas, to Ramo Wooldridge Inc. Packing ring. 2,895,772, 7-21-59, Cl. 309-23.  
Chapouille, Pierre F. L.: See—  
Raymond, Francois H., Chapouille, and Martin. 2,896,082.  
Chappell, William A., and R. J. Scott, to J. C. Hockery, trustee. Ice crusher. 2,904,268, 9-15-59, Cl. 241-190.  
Charbonnages de France: See—  
Boyer, André F. 2,877,163.  
Charbonneau, Allan P., to Cutler-Hammer, Inc. Grid-type resistance units. 2,868,937, 1-13-59, Cl. 201-69.  
Charbonneau, Allan P., to Cutler-Hammer, Inc. Electric heating units and methods of making the same. 2,882,376, 4-14-59, Cl. 201-67.  
Charbonneau, Wilson A., to Wac Line, Inc. Speed control for alternating-current induction motors. 2,894,191, 7-7-59, Cl. 318-229.  
Charbonneau, Wilson A. Fluorescent lamp lighting circuit. 2,897,403, 7-28-59, Cl. 315-103.  
Charbonneau, Wilson A. Speed controls for electric motors. 2,919,391, 12-29-59, Cl. 318-227.  
Charbonneau, Wilson A., and J. J. Velesky, to WacLine, Inc. Speed control for electric motors. 2,876,406, 3-3-59, Cl. 318-227.  
Charbonneau, Wilson A., and J. J. Velesky, to Wac Line, Inc. Control devices for alternating-current motors and the like. 2,901,682, 8-25-59, Cl. 318-229.  
Charbonnet, Wilfred H., to Clevite Corp. Method for growing quartz. 2,914,389, 11-24-59, Cl. 23-301.  
Charbonnier, Roger, to Rocher Electronique. Electronic amplifiers. 2,870,269, 1-20-59, Cl. 179-171.  
Charcuset, Raymond, and J. Moyrand, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Croy. Material feeding hopper. 2,913,148, 11-17-59, Cl. 222-227.  
Charest, Maurice. Sewing machine. 2,915,996, 12-8-59, Cl. 112-122.  
Charewicz, Francis J.: See—  
Smith, Sidney R., Jr., and Charewicz. 2,890,313.  
Char-Gale Mfg. Co.: See—  
Bowman, Henry V. 2,903,957.  
Charhut, Frank J., to Chicago-Allis Mfg. Corp. Utilized, pre-stressed seal unit. 2,882,074, 4-14-59, Cl. 286-11.  
Charlat, Arnold, to Brown & Sharpe Turret Drilling Division, Inc. Rotary tool spindle reversing means. 2,887,695, 5-26-59, Cl. 10-136.  
Charlat, Arnold, to Brown & Sharpe Turret Drilling Division, Inc. Speed control system including a variable speed transmission adjustable as to output speed in accordance with the position of a selectively movable abutment. 2,887,894, 5-26-59, Cl. 74-230.17.  
Charlat, Arnold S., to Howe & Fant, Inc. Positioning table. 2,874,599, 2-24-59, Cl. 77-64.  
Charlat, Arnold S., to Howe & Fant, Inc. Positioning table. 2,880,632, 4-7-59, Cl. 77-64.  
Charle, Roger, and L. R. Lantz, to Societe Anonyme dite Societe Mousavon-L'Oreal. Dyeing animal fibres and compositions therefor. 2,904,385, 9-15-59, Cl. 8-10.  
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Popino, Robert P., and Charlebois. 2,918,410.  
Charlebois, John E.: See—  
Popino, Robert P., and Charlebois. 2,918,410.  
Charles, Daniel, and G. Mourier, to Compagnie Generale de Telegraphie Sans Fil. Linear accelerator for charged particles. 2,880,356, 3-31-59, Cl. 315-3.6.  
Charles, Daniel, and R. Gentner, to Compagnie Generale de Telegraphie Sans Fil. Traveling wave tubes. 2,890,374, 6-9-59, Cl. 315-3.6.  
Charles, Daniel, and B. Epsztein, to Compagnie Generale de Telegraphie Sans Fil. Backward travelling wave oscillators. 2,911,556, 11-3-59, Cl. 315-3.6.  
Charles, Malcolm J., to Carol Campbell Enterprises, Inc. Electrical circuit unit and mounting means therefor. 2,898,523, 8-4-59, Cl. 317-101.  
Charles, Stanley E.: See—  
Mosher, Walter W., Jr., and Goldammer. 2,893,143.  
Charles, Thomas G., to Allmanna Svenska Elektriska Aktiebolaget. Means for examining a substance. 2,919,413, 12-29-59, Cl. 331-65.  
Charleston Hosiery Processing Co., Inc.: See—  
Davis, Lysander C., Jr., and Richardson. 2,872,800.  
Charleston Rubber Co.: See—  
Coutts, Charles A. 2,885,892.  
Charlesworth, Mary J.: See—  
Stanton, George W., Lefferdink, Melkie, and Charlesworth. 2,899,262.  
Charlet, Elphege M.: See—  
Aldridge, Clyde L., and Charlet. 2,871,137.  
Charlton, Alexander E., to Photoceramics, Inc. Color television. 2,867,749, 1-6-59, Cl. 315-21.  
Charlton, Alexander E., to Photoceramics, Inc. Fired photographically decorated objects and their manufacture. 2,900,255, 8-18-59, Cl. 96-34.  
Charlton, Cyril B.: See—  
Forshaw, Kenneth G. W. J., and Charlton. 2,917,613.  
Charlton, Cyril B., C. K. Burchell, and M. L. Loehr, to Telephone Mfg. Co. Ltd. Manufacturing processes. 2,898,241, 8-4-59, Cl. 117-212.  
Charlton, Francis R.: See—  
Kemp, Woodrow E., Charlton, and Waldron. 2,916,533.  
Charlton, Maurice G., G. L. Davis, and C. H. R. Gentry, to North American Phillips Co., Inc. Deposition of refractory metals and alloys thereof. 2,873,208, 2-10-59, Cl. 117-50.  
Charlton, Richard E., Jr., and V. L. Payne, to West Point Mfg. Co. Conveying apparatus for dryer. 2,882,614, 4-21-59, Cl. 34-155.  
Charlton, Richard E., Jr., and V. L. Payne, to West Point Mfg. Co. Vacuum extraction tube. 2,893,043, 7-7-59, Cl. 15-306.  
Charlton, Robert S.: See—  
Smith, John E., Charlton, and Grocock. 2,911,817.  
Charman, Frederick J. H., and E. C. Cork, to Electric & Musical Industries Ltd. Aerials. 2,887,682, 5-19-59, Cl. 343-751.  
Charnas, Lawrence I.: See—  
Fuchsman, Charles H., Charnas, and Elliott. 2,905,554.  
Fuchsman, Charles H., Charnas, and Elliott. 2,905,555.  
Fuchsman, Charles H., Charnas, and Elliott. 2,905,556.  
Charnell, Inc.: See—  
Olson, Olaf C. 2,875,592.  
Charnock, Stanley, to Pilkington Brothers Ltd. Apparatus for simultaneously grinding the two surfaces of a ribbon of glass. 2,867,059, 1-6-59, Cl. 51-112.  
Chart-Pak, Inc.: See—  
Bertschinger, Charles F. 2,904,206.  
Frobbach, Harold O., Gill, Marran, and Romano. 2,918,189.  
Chartrand, Clovis C. Protective packaging for rim fire ammunition and the like. 2,877,891, 3-17-49, Cl. 206-3.  
Chartrey, Francis H.: See—  
Downey, Curtis L., Chartrey, and Ferguson. 2,903,675.  
Downey, Curtis L., Chartrey, Ferguson, and Grow. 2,885,667.  
Charwat, Andrew F., to Northrop Aircraft, Inc. Smoke generator. 2,882,240, 4-14-59, Cl. 252-359.  
Charwick Cabinet Corp.: See—  
Delich, Jacob. 2,890,012.  
Chasar, Anthony R., and R. J. Martin, to The Oster Mfg. Co. Portable power unit. 2,887,886, 5-26-59, Cl. 74-16.  
Chasar, Anthony R., and R. J. Martin, to The Oster Mfg. Co. Collapsible stand for power units. 2,919,092, 12-29-59, Cl. 248-164.  
Chase Brass & Copper Co., Inc.: See—  
Dobosy, Elmer A. 2,885,060.  
Chase, Charles B., and W. S. James, to Fram Corp. Oil filters. 2,877,902, 3-17-59, Cl. 210-440.  
Chase Chemical Co.: See—  
Maxlon, Emil J. 2,880,234.  
Chase, Corson W., to Miehle-Goss-Dexter, Inc. Jaw folding mechanism. 2,891,791, 6-23-59, Cl. 270-71.  
Chase, Corson W., to Miehle-Goss-Dexter, Inc. Socket for ink roller. 2,892,399, 6-30-59, Cl. 101-349.  
Chase, Corson W., to Miehle-Goss-Dexter, Inc. Printing cylinders. 2,900,903, 8-25-59, Cl. 101-378.  
Chase, Corson W., to Miehle-Goss-Dexter, Inc. Ink roller socket. 2,915,009, 12-1-59, Cl. 101-349.



- Chase, Corson W., and G. N. Krueger, to Miehle-Goss-Dexter, Inc. Apparatus for casting stereotype printing plates. 2,895,157, 7-21-59, Cl. 22-2.
- Chase Equipment Corp.: See—
- Owen, Claude M. 2,872,019.
- Chase, Fay H., to Bell Telephone Laboratories, Inc. Electric circuit interrupters. 2,873,372, 2-10-59, Cl. 250-36.
- Chase, Fay H., to Bell Telephone Laboratories, Inc. Current supply apparatus. 2,904,742, 9-15-59, Cl. 323-22.
- Chase, Fay H., to Bell Telephone Laboratories, Inc. Current supply apparatus. 2,917,700, 12-15-59, Cl. 323-22.
- Chase, Fletcher A., S. Lee, and F. D. Montgomery, 1/2 to W. L. McLennan, d.b.a. North Woods Coffee Co., and 1/2 to American Instant Inc. Egg instant coffee. 2,911,302, 11-3-59, Cl. 99-71.
- Chase, George O., and J. Galender, to Hoffmann-La Roche Inc. Process for catalytic semi-hydrogenation of tertiary acetylenic monohydric alcohols. 2,883,431, 4-21-59, Cl. 260-642.
- Chase, John A.: See—
- Wolke, Roy K., Chase, and Pilas. 2,884,684.
- Wolke, Roy K., Chase, and Pilas. 2,917,512.
- Chase, John A., to Radio Corp. of America. Notching roller assembly for grid winding machine. 2,877,065, 3-10-59, Cl. 308-70.
- Chase, Leonard G.: See—
- Niederman, Bernard, and Chase. 2,888,652.
- Chase, Norris: See—
- Mittell, Frank C., Chase, Matey, Pollock, Dawson, and Bower. 2,902,696.
- Chase-Shawmut Co., The: See—
- Edsall, William S. 2,870,293.
- Edsall, William S. 2,911,502.
- Jacobs, Philip C. Jr. 2,877,321.
- Jacobs, Philip C. Jr., and Swain. 2,874,249.
- Johnston, P. Gordon. 2,915,609.
- Kozacka, Frederick J. 2,892,061.
- Kozacka, Frederick J. 2,895,031.
- Kozacka, Frederick J. 2,914,636.
- Kozacka, Frederick J. 2,918,551.
- Salzer, Erwin, and Hitchcock. 2,882,521.
- Swain, Kenneth W., Kozacka, and Salzer. 2,871,314.
- Chase, Vernon L.: See—
- Melchoni, Anna F., Johnson, and Chase. 2,917,475.
- Chase, Wallace P., W. R. Davis, and J. E. Snyder, to Librascope, Inc. Detector for indicating presence of objects. 2,917,732, 12-15-59, Cl. 340-258.
- Chassende-Baroz, Norbert J. P. Radiation detection device. 2,902,602, 9-1-59, Cl. 250-65.
- Chasser, Ernest C., to The Akron Gear and Engineering Co. Quick filling for hydraulic fluid systems. 2,877,794, 3-17-59, Cl. 137-563.
- Chastaney, Ruth G., and S. Pankstela. Partition structure. 2,886,147, 5-12-59, Cl. 189-34.
- Chatellin, Bernard: See—
- Borrel, Marcel, Weiss, and Chatellin. 2,890,101.
- Chatelon, André E. J.: See—
- Dumousseau, Claude R. J., and Chatelon. 2,881,415.
- Chater, Robert R. Flexible coupling. 2,891,395, 6-23-59, Cl. 64-14.
- Chater, William T.: See—
- Brower, David F., and Chater. 2,918,666.
- Chater, William T., to Hughes Aircraft Co. Phase discriminator. 2,900,534, 8-18-59, Cl. 307-88.5.
- Chater, William T., to Hughes Aircraft Co. Bridge circuit for position measuring device. 2,902,765, 9-8-59, Cl. 33-125.
- Chatfield, Henry B. Process and apparatus for forming metal sheets into tubes. 2,882,767, 4-21-59, Cl. 80-23.
- Chatfield, Herbert W., to A. Boake, Roberts & Co. Ltd. Drying oils. 2,909,537, 10-20-59, Cl. 260-405.
- Chatham, Joshua D., and D. M. Clark, said Chatham assor. to said Clark. Body constraining suit for aviators. 2,871,849, 2-3-59, Cl. 128-1.
- Chatham Mfg. Co.: See—
- Burgiss, Walter F. 2,906,298.
- Chatolan, Leonard: See—
- Bennett, Patrick J., Chatolan, and Arundel. 2,904,367.
- Chatrenet, Andre, to Societe A Responsabilite Limitee so-called: Ateliers de Pochalm. Hydraulically-operated grab bucket. 2,889,643, 6-9-59, Cl. 37-183.
- Chattanooga Medicine Co., The: See—
- Zimmer, Hans W. 2,912,445.
- Chatten, John B.: See—
- Moore, Robert C., and Chatten. 2,875,271.
- Chatterton, Edward, Jr., to Philco Corp. Semiconductor signal-translating circuit of variable gain. 2,879,344, 3-24-59, Cl. 179-171.
- Chatterton, Ernest E., to D. Napier & Son Ltd. Fuel injection pumps for internal combustion engines. 2,895,425, 7-21-59, Cl. 103-154.
- Chann, Kenneth W. Paper clips. 2,908,954, 10-20-59, Cl. 24-66.
- Chausson, André, to Societe Anonyme des Usines Chausson. Automatic machine for drilling series of holes in various parts. 2,870,660, 1-27-59, Cl. 77-32.2.
- Chausson, André, to Societe Anonyme des Usines Chausson. Electro-magnetically maintained oscillating movement hermetic compressor. 2,899,124, 8-11-59, Cl. 230-55.
- Chausson, André, to Societe Anonyme des Usines Chausson. Electro-magnetically maintained oscillating movement hermetic compressor. 2,899,125, 8-11-59, Cl. 230-55.
- Chauvigne, Claude: See—
- Mourot, Paul. 2,888,689.
- Chauvin d'Arnoux, Societe Anonyme: See—
- Leconte, Andre A. 2,917,603.
- Chauvin, David M., and M. T. Mueller, to Westinghouse Electric Corp. Limiter for radio circuits. 2,892,050, 6-23-59, Cl. 250-27.
- Chavannes Industrial Synthetics, Inc.: See—
- Gilbert, Geoffrey, and Prendergast. 2,905,969.
- Chayes Dental Instrument Corp.: See—
- Page, Richard W. 2,917,828.
- Page, Richard W. 2,917,829.
- Chayka, Joseph P., to Detroit Broach & Machine Co. Surface broaching machines. 2,917,978, 12-22-59, Cl. 90-33.
- Chayne, Charles A., to General Motors Corp. Engine construction. Re. 24,645, 5-12-59, Cl. 123-55.
- Chayne, Charles A., and J. Dolza, to General Motors Corp. Charge forming means. 2,916,027, 12-8-59, Cl. 123-119.
- Che, Suk K. Expandable trailer. 2,886,856, 5-19-59, Cl. 20-2.
- Cheadle, Joseph C. Flue cleaning apparatus. 2,891,268, 6-23-59, Cl. 15-104.2.
- Cheatum, Leo G.: See—
- Manns, William F., Cheatum, and Gustafson. 2,900,069.
- Chechak, Albert J.: See—
- Robeson, Charles D., and Chechak. 2,904,593.
- Chechik, Maurice M. Prefabricated dental inlay. 2,910,772, 11-3-59, Cl. 32-15.
- Cheek, Mathias M., to The Yale & Towne Mfg. Co. Tubular lock. 2,872,236, 2-3-59, Cl. 292-336.3.
- Cheek, Mathias M., to The Yale & Towne Mfg. Co. Anti-manipulation combination lock. 2,882,709, 4-21-59, Cl. 70-133.
- Cheek, Mathias M., to The Yale & Towne Mfg. Co. Knob mounting and securing means. 2,896,992, 7-28-59, Cl. 292-348.
- Checke, Harry, and A. Melville, deceased (L. Melville, executrix), 1/2 each to M. Sevak and L. Melville. Ball guide and screen for deep well jet pump. 2,916,147, 12-8-59, Cl. 210-431.
- Cheekon, John, to United States Steel Corp. Track switch and rerailer. 2,915,263, 12-1-59, Cl. 246-423.
- Cheilster, Conkling. Driver training and testing equipment. 2,870,548, 1-27-59, Cl. 35-11.
- Cheilster, Conkling. Continuous feed attachment. 2,875,667, 3-3-59, Cl. 88-18.7.
- Cheek, Forrest R., to General Motors Corp. Controlled fluid coupling. 2,916,881, 12-15-59, Cl. 60-54.
- Cheek, Forrest R., and N. Reighard, to General Motors Corp. Automatic plural step-ratio transmissions. 2,896,468, 7-28-59, Cl. 74-472.
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- Schwartz, Henry A. 2,879,593.
- Cheeseboro, Robert G. Vehicle record player. 2,905,475, 9-22-59, Cl. 274-9.
- Cheesman Theodore A. Snubbers for crane booms. 2,914,312, 11-24-59, Cl. 267-1.
- Cheetham, Robert A., to General Motors Corp. Engine start-up apparatus. 2,892,454, 6-30-59, Cl. 123-179.
- Cheetham, William R., and W. G. Parr, to Pye Ltd. Television transmitting apparatus. 2,899,489, 8-11-59, Cl. 178-5.4.
- Cheetham, William R., and W. G. Parr, to Pye Ltd. Television receiving apparatus. 2,899,490, 8-11-59, Cl. 178-5.4.
- Cheever, James W., Jr. Core handling machine. 2,890,675, 6-16-59, Cl. 118-6.
- Chellik, Philip, to Radio Corp. of America. Electronic comparator. 2,877,445, 3-10-59, Cl. 340-149.
- Chellis, Fred F.: See—
- Rohrer, Douglas P., and Chellis. 2,898,893.
- Chelminski, Kathryn K.: See—
- Valentine, Orville H., Jr., and Chelminski. 2,881,498.
- Chelmo, Leon A.: See—
- Highland, Olaf, and Chelmo. 2,886,060.
- Chelsea Products, Inc.: See—
- Mohrman, Harry L. 2,912,916.
- Chemarda, John M.: See—
- Chamberlin, Earl M., and Chemarda. 2,897,212.
- Chamberlin, Earl M., and Chemarda. 2,897,214.
- Chamberlin, Earl M., and Chemarda. 2,902,482.
- Chamberlin, Earl M., and Chemarda. 2,904,563.
- Cutler, Frank A., Jr., and Chemarda. 2,884,417.
- Cutler, Frank A., Jr., and Chemarda. 2,897,204.
- Chemarda, John M., to Merck & Co., Inc. Preparation of 7,11-diketo-steroids. 2,897,197, 7-28-59, Cl. 260-239.55.
- Chemarda, John M., to Merck & Co., Inc. 7-keto-11-oxy-steroids and processes of preparing them. 2,901,493, 8-25-59, Cl. 260-397.2.
- Chemarda, John M., to Merck & Co., Inc. 7-keto-11-oxy-steroids and processes of preparing them. 2,919,270, 12-29-59, Cl. 260-239.55.
- Chemarda, John M., E. M. Chamberlin, and E. W. Tristram, to Merck & Co., Inc. Preparation of 4-pregnen-17a-ol-3,20-dione. 2,877,238, 3-10-59, Cl. 260-397.
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- Bernard, Arthur A. 2,902,587.
- Beverly, Henry W., Whitson, and Yann. 2,895,271.
- Bottoms, Robert R. 2,871,272.
- Eichelman, Francis J. 2,882,026.
- Eichelman, Francis J. 2,902,269.
- Elleworth, Carl E. 2,874,357.
- Fleming, Harold W., and Reitmeyer. 2,897,160.
- Hickok, Willard H. 2,868,941.
- Jennings, Sheldon V., and Smith. 2,868,940.
- Meyer, Roland O. 2,902,384.
- Miller, Bruce D. H., Reigel, Bolanowski, and Beverly. 2,898,092.
- Minard, Everett S. 2,896,676.
- Morehead, Laurel A. 2,904,586.
- Pound, Robert V. 2,868,939.
- Reitmeyer, Ronald E. 2,913,422.
- Roberts, Harold F. 2,878,879.
- Roberts, William W., Jr. 2,876,070.
- Swanson, James A., and Graham. 2,906,515.
- Updegraff, Norman C. 2,876,071.
- Chemical Appliances, Inc.: See—
- Morris, John, Jr. 2,901,273.
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- Rby, Tobin K. 2,867,503.
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- Crelighton, Albert M., Jr. 2,905,206.
- Chemical and Industrial Corp., The: See—
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- Chemical Process Co.: See—
- Patterson, James A., and Abrams. 2,900,352.
- Phillipson, Joseph. 2,891,927.
- Chemical Products Corp.: See—
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- Chemical Research Corp.: See—
- Upton, George, Jr. 2,885,276.
- Chemical Rubber Co., The: See—
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- Chemische Fabrik Kalk G. m. b. H.: See—
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- Kindler, Karl, and Oelschlaeger. 2,905,670.
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- Frese, Albert. 2,919,264.
- Meister, Herbert, and Franke. 2,886,596.
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- Black, William B., and Clark. 2,912,415.
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- Chinn, Erle W. Foundation support. 2,887,871, 5-26-59, Cl. 72-77.
- Chinn, Leland J., to G. D. Searle & Co. 6-oxygenated 16a, 17a-oxido-pregn-4-en-3,20-diones and derivatives. 2,907,759, 10-6-59, Cl. 260-239.55.
- Chinnich, Michael A., to Peerless Sewing Machine Co. Inc. Sewing machine. 2,893,336, 7-7-59, Cl. 112-132.
- Chipman, Alan D., to Dow Corning Corp. Siloxane-silicate elastomers. 2,902,467, 9-1-59, Cl. 260-46.5.
- Chipman Chemical Co., Inc.: See—  
Seibert, Frank J. 2,886,425.
- Chipman, Jack R., to Sylvania Electric Products, Inc. Color television receiver. 2,877,292, 3-10-59, Cl. 178-5.4.
- Chiras, Stanley J., to Olin Mathieson Chemical Corp. Production of diborane. 2,880,668, 3-31-59, Cl. 23-204.
- Chironis, Constantinos A. Machines for cooking edible articles in deep fat. 2,911,903, 11-10-59, Cl. 99-353.
- Chisholm, Alpin, to Bugbee & Niles Co. Method of making mesh fabric. 2,871,556, 2-3-59, Cl. 29-513.
- Chisholm, Boyd & White Co.: See—  
Ebersole, Robert A. 2,870,514.
- Chisholm, Hurley E., and M. L. Entertainment and educational attachment for a phonograph. 2,881,001, 4-7-59, Cl. 272-31.
- Chisholm, Mattie L.: See—  
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- Chittleburgh, William F. S., T. H. Walker, and A. Jessop, to International Standard Electric Corp. Telegraph regenerative repeaters. 2,918,529, 12-22-59, Cl. 178-70.
- Chittum, Joseph F.: See—  
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- Chivers, James R., to Westinghouse Electric Corp. Toaster apparatus. 2,901,965, 9-1-59, Cl. 99-391.
- Chivers & Sons Ltd.: See—  
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- Chiyoda Kogaku Seiko Kabushiki Kaisha: See—  
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- Chlorator G.m.b.H.: See—  
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- Chloride Electrical Storage Co. Ltd., The: See—  
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- Choate, William B. Piled textile yarn. 2,912,742, 11-17-59, Cl. 28-81.
- Choellin, José and M. I. Safety razor with self-adjusting blade. 2,911,712, 11-10-59, Cl. 30-38.
- Choellin, Miguel I.: See—  
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- Chodorow, Marvin, and R. H. Varian, to Varian Associates. Gyromagnetic resonance apparatus. 2,894,209, 7-7-59, Cl. 331-94.
- Chodorowski, Wieslaw T., to Strachan & Henshaw Ltd. Web severing devices in web feeding machines. 2,911,132, 11-3-59, Cl. 225-101.
- Chodroff, Saul, A. Saldarini, and R. L. Tracy, to Norda Essential Oil and Chemical Co. Ketals of methylenedioxypropophenone. 2,906,663, 9-29-59, Cl. 167-24.
- Chodroff, Saul, and M. Dunkel, to Norda Essential Oil and Chemical Co. Process for the preparation of acetylenic alcohols. 2,919,251, 12-29-59, Cl. 260-340.5.
- Choice, Frank C., and R. C. Quarmby, to United Shoe Machinery Corp. Heel building machines. 2,889,554, 6-9-59, Cl. 1-39.8.
- Cholet, Bertram. Fountain pen with means for controlling the flow therefrom. 2,878,783, 3-24-59, Cl. 120-48.
- Cholick, Joe J.: See—  
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- Chollet, Raymond A.: See—  
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- Cholvin, Robert L., B. C. Harvey, Jr., and R. W. Jensen, to The Garrett Corp. Aircraft cabin air conditioning system. 2,909,323, 10-20-59, Cl. 236-80.
- Chope, Wilbert E., and L. G. Mamas, to Industrial Nucleonics Corp. Measuring and recalibrating servosystem. 2,894,185, 7-7-59, Cl. 318-28.
- Choquer, Jean, and A. Weissfloch, to Societe Technique d'Application et de Recherche Electronique S.T.A.R.E.C. Wide-band antenna. 2,895,133, 7-14-59, Cl. 343-767.
- Chorbacher, Wilhelm: See—  
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- Chormock, Francis W., and J. M. Pensack, to Commercial Solvents Corp. Animal feed supplement. 2,913,340, 11-17-59, Cl. 99-2.
- Chorost, William. Safety wallet or like article of manufacture. 2,908,306, 10-13-59, Cl. 150-47.
- Chou, Joseph K.: See—  
Benson, Don O., Kroll, and Chou. 2,877,619.
- Chouings, Leslie C., to Automotive Products Co. Ltd. Valve devices for controlling servo-devices of the differential air pressure type. 2,872,905, 2-10-59, Cl. 121-46.5.
- Chovanec, Joseph. Paint collar. 2,878,956, 3-24-59, Cl. 220-4.
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- Chow, Woo F., to General Electric Co. Gain control circuit for semiconductor amplifiers. 2,898,411, 8-4-59, Cl. 179-171.
- Chow, Woo F., and D. A. Paynter, to General Electric Co. Stable transistor oscillator. 2,878,386, 3-17-59, Cl. 250-36.
- Chrencik, Edward W. Shoe construction with resilient heel and arch support. 2,885,797, 5-12-59, Cl. 36-2.5.
- Chris, Theodore S. Sliding doors. 2,896,274, 7-28-59, Cl. 20-19.
- Chrisman, Charles M. Weather proof container. 2,876,924, 3-10-59, Cl. 220-8.
- Chrisman, James J.: See—  
Reeve, William L., and Chrisman. 2,918,777.
- Christen & Co., A.G.: See—  
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- Christensen, Arthur R.: See—  
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- Christensen, Carl O., to Roll-Rite Corp. Blower drive wheel for railroad refrigerator cars. 2,878,759, 3-24-59, Cl. 103-112.
- Christensen, Carlo M., to Minneapolis-Honeywell Regulator Co. Aligning and locating arrangement. 2,889,437, 6-2-59, Cl. 200-168.
- Christensen, Donald W., to Young Radiator Co. Heat exchanger and turbulator retainer therefor. 2,915,294, 12-1-59, Cl. 257-124.
- Christensen, Edward B.: See—  
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- Christensen, Edward R.: See—  
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- Christensen, Edward R., and H. V. Hess, to The Texas Co. Method of producing motor fuels. 2,888,394, 5-26-59, Cl. 208-95.
- Christensen, Edward R., and S. A. Francis, to Texaco Inc. Process for fractionating mixtures containing alpha- and beta-monosubstituted naphthalenes utilizing tetrahalophthalic anhydrides. 2,914,581, 11-24-59, Cl. 260-674.
- Christensen, Edward R., and H. V. Hess, to Texaco Inc. Method of upgrading a petroleum naphtha. 2,917,449, 12-15-59, Cl. 208-64.
- Christensen, Everett F.: See—  
Lamberton, Clifford J., Christensen, and Keating. 2,878,455.
- Christensen, George O., to Allis-Chalmers Mfg. Co. Track tensioning device. 2,917,346, 12-15-59, Cl. 305-31.
- Christensen, Grover P. Mounting means for an antenna thermometer. 2,878,673, 3-24-59, Cl. 73-343.
- Christensen, Horace H.: See—  
Granat, John R., and Christensen. 2,877,968.
- Christensen, John C.: See—  
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- Christensen, John W.: See—  
Goldmark, Peter C., and Christensen. 2,880,267.
- Christensen, John W., to Columbia Broadcasting System, Inc. Apparatus for making motion pictures of reproductions in field sequential color television systems. 2,878,309, 3-17-59, Cl. 178-54.
- Christensen, Karl H.: See—  
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- Christensen, Lars N. Drag evener. 2,901,268, 8-25-59, Cl. 280-411.
- Christensen, Lloyd G.: See—  
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- Christensen, Lynn R.: See—  
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- Christensen, Magnus: See—  
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- Christensen, Mandell P., and W. Steele. Trash rake. 2,917,118, 12-15-59, Cl. 172-525.
- Christensen, Max C., to Ford Motor Co. Fertilizer spreader. 2,899,111, 8-11-59, Cl. 222-238.
- Christensen, Moodie. Disc harrow transport assembly. 2,882,981, 4-21-59, Cl. 172-241.
- Christensen, Norman B., to Republic Mfg. Co. Control device for vehicle suspension. 2,905,402, 9-22-59, Cl. 267-65.
- Christensen, Paul M., to Federal Pacific Electric Co. Motor starters. 2,872,548, 2-3-59, Cl. 200-116.
- Christensen, Paul M., to Federal Electric Products Co. Circuit breakers. 2,876,308, 3-3-59, Cl. 200-88.
- Christensen, Paul M., to Federal Electric Products Co. Circuit breakers having plug-in type terminals. 2,883,586, 4-21-59, Cl. 317-119.
- Christensen, Paul M., and H. Cohen, to Federal Electric Products Co. Locking means for casing enclosed mechanisms. 2,916,904, 12-15-59, Cl. 70-150.
- Christensen, Ralph O. Dental forceps. 2,912,760, 11-17-59, Cl. 32-62.
- Christensen, Sheldon L. Hydraulic pavement breaker. 2,906,244, 9-29-59, Cl. 121-23.
- Christenson, Donald J., to J. I. Case Co. Fertilizer spreader metering and flushing device. 2,916,189, 12-8-59, Cl. 222-484.
- Christenson, Donald J., C. W. Hansen, and M. A. Richardson, to J. I. Case Co. Metering adjustment means for fertilizer spreader. 2,892,571, 6-30-59, Cl. 222-43.
- Christenson, Howard W., to General Motors Corp. Variable discharge vane pump. 2,916,999, 12-15-59, Cl. 103-40.
- Christenson, Howard W., R. J. MacI, and M. E. Fisher, to General Motors Corp. Transmission. 2,912,884, 11-17-59, Cl. 74-759.
- Christenson, Roger M.: See—  
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- Christenson, Roger M., to Pittsburgh Plate Glass Co. Interpolymers of vinyl halides ethylenically unsaturated esters and glycidyl polyethers. 2,882,251, 4-14-59, Cl. 260-23.
- Christenson, Roger M., and L. O. Cummings, to Pittsburgh Plate Glass Co. Oil soluble butenylphenol formaldehyde resins. 2,871,208, 1-27-59, Cl. 260-19.
- Christenson, Roger M., C. L. Parris, and E. E. Parker, to Pittsburgh Plate Glass Co. Unsaturated polyester-vinyl monomer composition stabilized with 3,6-di-n-propylcatechol and method of preparation. 2,874,141, 2-17-59, Cl. 260-45.4.
- Christenson, Roger M., and J. J. Jaruzelski, to Pittsburgh Plate Glass Co. Epoxy compounds. 2,874,150, 2-17-59, Cl. 260-78.4.
- Christenson, Roger M., and R. F. Borman, to Pittsburgh Plate Glass Co. Coating composition vehicles prepared from acidulated soap stocks. 2,891,919, 6-23-59, Cl. 260-22.
- Christenson, Roger M., and H. E. Holste, to Pittsburgh Plate Glass Co. Alkenylphenol-aldehyde resins. 2,907,751, 10-6-59, Cl. 260-53.
- Christenson, Roger M., and W. C. Bean, to Pittsburgh Plate Glass Co. Glycidyl polyethers from an epihalohydrin and a bis(4-hydroxy-3-allyl phenyl) alkane. 2,910,455, 10-27-59, Cl. 260-47.
- Christenson, Roger M., and H. A. Vogel, to Pittsburgh Plate Glass Co. Acrylamide and aromatic hydrocarbon monomer modified interpolymers of maleinized oils. 2,919,254, 12-29-59, Cl. 260-23.
- Christenson, Roger M., and L. O. Cummings, to Pittsburgh Plate Glass Co. Reaction products of esters of beta-keto acids and carbonyl compounds. 2,919,261, 12-29-59, Cl. 260-45.4.
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- Christman, Charlie R. Connecting rod and piston tool. 2,880,500, 4-7-59, Cl. 29-275.
- Christman, Curtis G., to Collier Carbon and Chemical Corp. Nitrogen-phosphorus compositions. 2,884,318, 4-28-59, Cl. 71-35.
- Christian, J. D., Engineers: See—  
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- Christian, John D., and E. W. Lard, to W. R. Grace & Co. Purification of cyanuric acid. 2,905,671, 9-22-59, Cl. 260-248.
- Christian, Joseph D. Heat exchange equipment. 2,916,807, 12-15-59, Cl. 29-156.8.
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- Christian, Robert L.: See—  
Whisler, Ralph H., and Christian. 2,918,273.
- Christiania Spigerverk: See—  
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- Christiansen, Carl J. Machine for dust free grinding of materials as ear corn for livestock feed. 2,873,921, 2-17-59, Cl. 241-186.
- Christiansen, Heinrich H. C., to Rockwell Gesellschaft mit beschränkter Haftung. Self-propelling car shunter. 2,905,103, 9-22-59, Cl. 105-90.
- Christiansen, Nels M.: See—  
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- Christie, Chester D., to Eaton Mfg. Co. Drive to tandem axle responsive to speed. 2,914,128, 11-24-59, Cl. 180-22.

- Christie Electric Corp.: See—  
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- Christie, John: See—  
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- Christie, John J., to American Bitumuls & Asphalt Co. Bituminous emulsions. 2,889,230, 6-2-59, Cl. 106-277.
- Christie, Reginald A.: See—  
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- Christl, Robert J., and M. J. Roedel, to E. I. du Pont de Nemours and Co. Constant environment process for polymerizing ethylene. 2,897,183, 7-28-59, Cl. 260-94.9.
- Christman, Donald L., to Hercules Powder Co. Dithiophosphate insecticides. 2,884,353, 4-28-59, Cl. 167-22.
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- Christman, Fred G., to The Ohio Brass Co. Trolley shoe. 2,896,032, 7-21-59, Cl. 191-59.1.
- Christmann, Ludwig J., and A. G. Houtp, to American Cyanamid Co. Apparatus for the manufacture of HCN. 2,878,169, 3-17-59, Cl. 202-168.
- Christmas, Ed R., to V. R. York. Decoy device. 2,909,859, 10-27-59, Cl. 43-3.
- Christner, Howard F., Jr.: See—  
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- Christner, Oval F. Outboard motor control unit mount. 2,906,484, 9-29-59, Cl. 248-205.
- Christoff, Chris A.: See—  
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- Christoff, Chris A., and E. O. Witt, to Clary Corp. Printer mechanism. 2,910,936, 11-3-59, Cl. 101-93.
- Christoffel, Ivan, to Allied Chemical Corp. Fertilizer solutions. 2,919,183, 12-29-59, Cl. 71-51.
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- Christofferson, Donald F., to International Harvester Co. Replaceable implement part. 2,876,853, 3-10-59, Cl. 172-753.
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- Chroborsky, William. Extension table. 2,884,293, 4-28-59, Cl. 311-16.5.
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- Chrome Steel Plate Corp.: See—  
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- Chromium Mining & Smelting Corp., Ltd.: See—  
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- Chromy, Benjamin J.: See—  
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- Chrysanthou, Chrysanthos. Attachment for microscopes. 2,878,720, 3-24-59, Cl. 88-40.
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- Chubb, Lewis W. J.: See—  
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- Chubb, Talbot A.: See—  
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- Chubb, Howard L. Ladder attachment. 2,903,086, 9-8-59, Cl. 182-229.
- Chuboff, David P.: See—  
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- Chudkowski, Edwin A.: See—  
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- Chudleigh, Walter H., Jr., and R. W. Yutz, to Philco Corp. Frequency sensitive circuit. 2,915,648, 12-1-59, Cl. 307-88.5.
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- Chupa, John C., to The Barr Rubber Products Co. Tether ball. 2,894,746, 7-14-59, Cl. 273-58.
- Chupp, John P.: See—  
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- Church, Charles E.: See—  
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- Church, Donald R.: See—  
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- Church, J. Frank: See—  
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- Church, Walter L. Choche. 2,906,283, 9-29-59, Cl. 137-315.
- Church-Craft Pictures, Inc.: See—  
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- Churchill, Alan W., and A. V. H. Canfield, to Automatic Switch Co. Pilot-operated three-way diversion valve. 2,882,929, 4-21-59, Cl. 137-609.
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- Churchill, George R., Co., Inc.: See—  
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- Clalo, Joseph A. Shoe heel construction with replaceable top lift. 2,908,089, 10-13-59, Cl. 36-36.
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- Clapetta, Frank G., E. Koft, Jr., and S. L. Meisel, to Socony Mobil Oil Co., Inc. Purification of benzene using a platinum-containing catalyst. 2,876,268, 3-3-59, Cl. 260-674.
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- Albrecht, Otto. 2,915,502.
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- Brassell, Jakob, and Buehler. 2,906,746.
- Callegri, Armin. 2,918,345.
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- De Bruyne, Norman A., Newell, and Perry. 2,872,365.
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- Fisch, Willy. 2,891,034.
- Gelgy, Wilhelm. 2,903,325.
- Gelgy, Wilhelm, and Weber. 2,873,206.
- Grelat, Maurice. 2,884,425.
- Gunst, Raymond. 2,875,192.
- Hanhart, Walter. 2,870,136.
- Heckendorn, Alphonse, Fasciati, and Zollinger. 2,889,316.
- Hochuli, Ernst, Osolin, Schuerch, and Zumstein. 2,873,204.
- Hochuli, Ernst, Werdenberg, and Fisch. 2,904,447.
- Jenny, Walter. 2,899,438.
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- Maeder, Arthur. 2,894,019.
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- Meyer, Armin. 2,914,407.
- Mory, Rudolf, Stoeklin, and Schmid. 2,914,539.
- Mueller, Jakob. 2,882,277.
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- Siegrist, Adolf E., and Ackermann. 2,905,667.
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- Siegrist, Adolf E., and Duennenberger. 2,899,440.
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- Sulzer, George, Guertler, Fatzer, and Maeder. 2,888,420.
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- Wegmann, Jacques, Kern, and Jenny. 2,888,312.
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- Wohler, Guido. 2,879,054.
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- Zickendraht, Christian, and Koller. 2,897,207.
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- Bencze, William L. 2,877,270.
- Cooper, Jack, and Windheuser. 2,887,438.
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- De Stevens, George, and Werner. 2,894,948.
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- Druey, Jean, and Huber. 2,903,443.
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- Grob, Cyril A. 2,868,792.
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- Grossowicz, Nathan, and Ratner. 2,904,547.
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- Huebner, Charles F. 2,877,232.
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- Hueni, Albrecht. 2,868,802.
- Kuehne, Martin E. 2,901,483.
- Lachman, Leon, and Suydam. 2,277,159.
- Lucas, Robert A. 2,867,622.
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- Mizzoni, Renat H. 2,910,478.
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- Mull, Robert P. 2,897,195.
- Nehrer, Robert. 2,868,834.
- Romeo, Aurelio. 2,870,175.
- Rosen, William E. 2,873,281.
- Ruzicka, Leopold, and Heusser. 2,880,355.
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- Saunders, John C., and Lazarus. 2,903,396.
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- Taylor, William I. 2,877,225.
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- Werner, Lincoln H. 2,880,206.
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- Wettstein, Albert, and Elmann. 2,870,142.
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- Cicla, Michael. Fishing lure. 2,910,800, 11-3-59, Cl. 43-42.06.
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- Cicalese, Julius J., to Houdry Process Corp. Method and apparatus for contacting liquid with granular contact material. 2,886,520, 5-12-59, Cl. 208-167.
- Cicchetti, Alfred G.: See—  
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- Ciceri, Luigi: See—  
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- Cicero, Frank. Roll covers. 2,878,957, 3-24-59, Cl. 220-30.
- Cicogna, Lucio, to Star Stampa Tessuti Artistici S.p.A. Methods of printing textile fabrics. 2,911,280, 11-3-59, Cl. 8-2.5.
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- Cid, Fred J., to Bendix Aviation Corp. Liquid level current control device. 2,890,430, 6-9-59, Cl. 338-44.

- Cieply, Adam E., Jr., to Gaylor Products, Inc. Speed responsive control for anticreep device. 2,904,134, 9-15-59, Cl. 188-152.
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- Ciesla, Raymond E. Means of forming catch basins. 2,901,809, 9-1-59, Cl. 25-124.
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- Ciffo, Ignatz. Non spillable bottle. 2,917,766, 12-22-59, Cl. 15-140.4.
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- Cihak, Frank A. Adjustable chuck work stops. 2,868,552, 1-13-59, Cl. 279-123.
- Cihlar, Anthony J., and F. A. Klasek, to Western Electric Co., Inc. Reciprocable cam means for operating a pivoted type bender means. 2,881,820, 4-14-59, Cl. 153-40.
- Cikler, William H., to Food Machinery and Chemical Corp. Drive and brake mechanism. 2,874,786, 2-24-59, Cl. 169-24.
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- Cimenta Lafarge: See—  
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- Cinch Mfg. Corp.: See—  
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- Engel, William J. 2,869,107.
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- Cincinnati Butchers' Supply Co., The: See—  
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- Schmidt, Carl O., Jr. 2,902,711.
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- Schmidt, William C. 2,868,840.
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- Cincinnati Metalcrafts, Inc.: See—  
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- Cincinnati Milling Machine Co., The: See—  
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- Henry, Robert L. 2,868,993.
- Holer, Walter A. 2,914,890.
- Holer, Walter A., and Baker. 2,902,798.
- Huber, Clarence F., and Thompson. 2,874,174.
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- Morgan, John M., Jr. 2,868,087.
- Paulton, Richard A. 2,878,767.
- Rave, Joseph A., Jr., and Henry. 2,902,904.
- Schroeder, Walter. 2,889,755.
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- Cincinnati Mine Machinery Co., The: See—  
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- Cincinnati Tool Co., The: See—  
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- Cinotechnik A.G.: See—  
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- Cionchi, Duilio. Septic tank. 2,911,102, 11-3-59, Cl. 210-532.
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- Clippa, Laurence. Middle skiving and trimming machine. 2,893,025, 7-7-59, Cl. 12-88.
- Clipriano, Angelo L., H. A. Walters, and G. E. Clock, to The Dow Chemical Co. Curing conjugated diolefin polymer coatings. 2,917,407, 12-15-59, Cl. 117-103.
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- Circle Machinery & Supply Co.: See—  
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- Circle, Sidney J., P. L. Julian, and R. W. Whitney, to The Gilden Co. Process for isolating soya protein. 2,881,159, 4-7-59, Cl. 260-123.5.
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- Cirillo, Lee, to Towmotor Corp. Lift truck roll-off. 2,918,186, 12-22-59, Cl. 214-512.
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- Cisatlantic Corp.: See—  
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- Ciscel, Benjamin H., to Minneapolis-Honeywell Regulator Co. Gyroscopic compass. 2,902,772, 9-8-59, Cl. 33-226.
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- Cisco, Edward S., to Standard Railway Equipment Mfg. Co. Hatch cover lock. 2,873,696, 2-17-59, Cl. 105-377.
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- Cisla, Francis E., to Reilly Tar & Chemical Corp. Pyridyl dicarboalkanes and process. 2,868,795, 1-13-59, Cl. 260-294.9.
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- Cisla, Francis E., to Reilly Tar & Chemical Corp. Process of preparing 3-(2-hydroxyethyl) pyridine. 2,891,959, 6-23-59, Cl. 260-297.
- Cislo, Casimer J., to General Motors Corp. Independent dirigible wheel suspension. 2,872,206, 2-3-59, Cl. 280-96.2.
- Cisnev, Merle E.: See—  
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- Cisney, Merle E., and D. W. Goheen, to Crown Zellerbach Corp. Preparing organic sulfides. 2,908,716, 10-13-59, Cl. 260-609.
- Cissell, W. M. Mfg. Co.: See—  
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- Richterkesing, Frank H. 2,895,659.
- Richterkesing, Frank H., and Ingold. 2,889,969.
- Cities Service Research and Development Co.: See—  
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- Hughes, William B., and Fallgatter. 2,904,508.
- Hughes, William B., and Greenwald. 2,907,783.
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- Citron, Robert R. Extension device for garment hangers and the like. 2,869,767, 1-20-59, Cl. 223-88.
- Citrus Machinery Co., Inc.: See—  
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- City National Bank and Trust Co. of Chicago: See—  
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- Laser, William F. 2,917,329.
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- Cizek, Frank G.: See—  
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- Claas, August, W. G. Brenner, H. Roderfeld, and R. Claas. Carrier for agricultural machinery. 2,888,088, 5-26-59, Cl. 180-55.
- Claas, Elfriede M. T.: See—
- Claas, Helmut F., R. H., and T. 2,913,977.
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- Claas, Reinhold H.: See—
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- Claassen, Howard H.: See—
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- Clade, Robert, to ACF Industries, Inc. Spherical plug valve. 2,890,856, 6-16-59, Cl. 251-174.
- Clade, Robert, to ACF Industries, Inc. High pressure spherical plug valve. 2,912,219, 11-10-59, Cl. 251-315.
- Claesson, Per H. E.: See—
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- Vigren, Sten D., Claesson, and Zander. 2,902,563.
- Clagg, Bruce E. Fishing tackle. 2,895,815, 5-12-59, Cl. 43-19.
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- Burt, William C. 2,915,859.
- Clair, Verne, Jr., to Kelsey-Hayes Co. Method of cold pressure welding metal foil. 2,894,322, 7-14-59, Cl. 29-470.1.
- Claircor Corp.: See—
- Deuth, Albert F. 2,912,593.
- Clapp, Archie J., Jr. Aircraft payload computer. 2,867,381, 1-6-59, Cl. 235-61.
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- Clapp, Melvin C.: See—
- Rieppel, Perry J., and Clapp. 2,874,942.
- Rieppel, Perry J., Clapp, and Elliott. 2,882,588.
- Clapp, Robert J.: See—
- Bottoms, Paul H., Clapp, Loggins, and Stansbury. 2,918,696.
- Clapp, Richard G., to Philco Corp. Color television indexing system. Re. 24,685, 8-18-59, Cl. 178-54.
- Clapp, Richard G., to Philco Corp. Color image-producing cathode ray tube. 2,899,581, 8-11-59, Cl. 313-92.
- Clapp, Robert J., M. E. Latham, and J. G. Stansbury, to Swedlow Plastics Co. Process for forming of stretched sheet material. 2,897,546, 8-4-59, Cl. 18-56.
- Clapper, Genung L., to International Business Machines Corp. Transistor full adder. 2,885,149, 5-5-59, Cl. 235-172.
- Clapper, Genung L., to International Business Machines Corp. Transistor delay circuit. 2,885,573, 5-5-59, Cl. 307-88.5.
- Clapperton, Edward T.: See—
- Boomer, Daryl R., Clapperton, and Phillips. 2,901,339.
- Clarage Fan Co.: See—
- Downs, Sewell H. 2,903,182.
- Claras, Carl W., to Revere Camera Co. Magnetic recorder-reproducer. 2,897,289, 7-28-59, Cl. 179-100.2.
- Clardy, Kenneth D.: See—
- St. George, Ernest C. 2,916,977.
- Clare, C. P., & Co.: See—
- Koda, Arthur J., and Scannell. 2,888,533.
- Clarey, John J., to Bristol-Myers Co. Therapeutic preparations for topical application to the skin. 2,901,399, 8-25-59, Cl. 167-87.
- Claridge, Elmond L., to Shell Development Co. Production of gasoline by catalytic cracking. 2,868,717, 1-13-59, Cl. 208-94.
- Claridge, Elmond L., and J. M. Wallin, to Shell Development Co. Lubricating oil refining process. 2,886,523, 5-12-59, Cl. 208-312.
- Clarin, Sidney. Method of covering a drum filter, or such like, with wire gauze. 2,901,820, 9-1-59, Cl. 29-419.
- Clark, Adna R., to International Harvester Co. Apparatus for starting diesel engines at low temperatures. 2,906,088, 9-29-59, Cl. 60-17.
- Clark, Adna R., to International Harvester Co. Cooling apparatus for vehicle seats. 2,912,832, 11-17-59, Cl. 62-172.
- Clark, Albert G., to General Electric Co. Portable electrical torch. 2,900,485, 8-18-59, Cl. 219-75.
- Clark, Albert R. and W. B. Apparatus for receiving tubes and loading them into racks. 2,905,340, 9-22-59, Cl. 214-6.
- Clark, Alfred: See—
- Holm, Vernon C. F., Bailey, and Clark. 2,904,608.
- Clark, Alfred, to Phillips Petroleum Co. Polymerization of olefins in presence of a nickel oxide-silica-alumina catalyst containing an alkaline material. 2,881,233, 4-7-59, Cl. 260-683.15.
- Clark, Alfred S., to United Shoe Machinery Corp. Shoe sewing machines. 2,903,984, 9-15-59, Cl. 112-49.
- Clark, Alfred S., to United Shoe Machinery Corp. Machines for operating on sole members. 2,913,742, 11-24-59, Cl. 12-18.7.
- Clark, Alvin F., Jr. Machine for compressing and rolling bedding springs. 2,870,974, 1-27-59, Cl. 242-55.
- Clark, Arnold F., to United States of America, Atomic Energy Commission. Calutron. 2,891,163, 6-16-59, Cl. 250-41.9.
- Clark, Austin B. J., and P. T. Boltz. Hypervelocity gun. 2,882,796, 4-21-59, Cl. 89-7.
- Clark, Benjamin F., E. Gipsstein, M. A. Higgins, and P. R. Kippur, to Olin Mathieson Chemical Corp. Preparation of tris(2-chlorovinyl) borane. 2,918,498, 12-22-59, Cl. 260-606.5.
- Clark, Benjamin F., E. Gipsstein, M. A. Higgins, and P. R. Kippur, to Olin Mathieson Chemical Corp. Preparation of chlorobis(2-chlorovinyl) borane. 2,919,201, 12-29-59, Cl. 260-543.
- Clark, Carleton L., W. W. Hickey, R. G. Kaiser, and J. A. Smith, to Clark & Vicario Corp. Desaturating hydrocyclones. 2,876,860, 3-10-59, Cl. 183-2.5.
- Clark, Cecil B. Defensive device. 2,908,244, 10-13-59, Cl. 116-67.
- Clark, Charles, Jr., to United States of America, Air Force. Visual indicating apparatus. 2,913,660, 11-17-59, Cl. 324-68.
- Clark, Charles C.: See—
- Kanda, Frank A., King, and Clark. 2,918,352.
- Clark, Charles W.: See—
- Bushong, Raymond M., Clark, and Holloway. 2,890,128.
- Clark, Clarence A. Milking and weighing apparatus. 2,868,167, 1-13-59, Cl. 119-14.05.
- Clark Controller Co., The: See—
- Fox, John W., and Hart. 2,883,036.
- Hoge, Robert H. 2,878,832.
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- Kuka, Kaj-Kobad S. 2,902,635.
- Ohlsson, Jan R. 2,902,052.
- Pearson, Arald B. 2,879,359.
- Sauter, John D. 2,897,370.
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- Clark, David L., to General Electric Co. Clothes washer with adjustable water level control. 2,911,811, 11-10-59, Cl. 68-12.
- Clark, David M.: See—
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- Penrod, Kenneth E., and Clark. 2,888,011.
- Clark, Donald H., Jr., to C. S. Fielding. Vehicle parking apparatus. 2,878,921, 3-24-59, Cl. 198-137.
- Clark, Earl J., to General Motors Corp. Bearing lubricator assembly. 2,877,067, 3-10-59, Cl. 308-127.
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- Clark, Earl W.: See—
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- Clark, Earl W., to General Electric Co. Electrical measuring instrument of the iron vane type. 2,897,447, 7-28-59, Cl. 324-147.
- Clark, Earl W., to General Electric Co. Frequency measuring apparatus. 2,907,951, 10-6-59, Cl. 324-81.
- Clark, Earl W. Attachment for hair clippers. 2,916,820, 12-15-59, Cl. 30-201.
- Clark, Earl W., and H. E. Albright, to General Electric Co. Recorder chart driving mechanism. 2,915,360, 12-1-59, Cl. 346-136.
- Clark, Earnest H., Jr.: See—
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- Clark, Earnest H., Jr., to Baker Oil Tools, Inc. Variable orifice casing filling apparatus. Re. 24,659, 6-16-59, Cl. 166-224.
- Clark, Earnest H., Jr., to Baker Oil Tools, Inc. Retractable well apparatus. 2,906,344, 9-29-59, Cl. 166-140.
- Clark, Edgar H., deceased, E. H. Clark, Jr., executor. Automatic code translating systems. 2,873,837, 2-17-59, Cl. 197-20.
- Clark, Edgar H., Jr., executor: See—
- Clark, Edgar H. 2,873,837.
- Clark, Edward B., to General Electric Co. Mounting ear in slotted opening. 2,891,755, 6-23-59, Cl. 248-220.5.
- Clark, Edward B., to General Electric Co. Finished cover for underfloor junction box. 2,900,101, 8-18-59, Cl. 220-34.
- Clark, Edward G., to Philco Corp. Signal matrixing circuit. 2,877,347, 3-10-59, Cl. 250-27.
- Clark, Edward G., to Burroughs Corp. Transistor shift register. 2,907,898, 10-6-59, Cl. 307-88.5.
- Clark, Edward G., to Philco Corp. System for discriminatory signal carrier identification. 2,910,530, 10-27-59, Cl. 178-5.8.
- Clark, Edward G., to Burroughs Corp. High speed complementing flip flop. 2,916,638, 12-8-59, Cl. 307-88.5.

- Clark, Elton L.: See—
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- Clark Equipment Co.: See—
- Ayers, Edgar H. 2,885,016.
- Ayers, Edgar H., Berry, and Trusock. 2,911,053.
- Backofen, Elmer R. 2,905,348.
- Bolster, Ronald H. 2,867,126.
- Brady, Joseph L. 2,887,092.
- Brady, Joseph L. 2,904,202.
- Carter, Robert L. 2,900,195.
- Coash, Robert E., and Kendall. 2,877,906.
- Deming, Mark A., and Bolster. 2,906,135.
- Dence, Donald S. 2,871,724.
- Dodge, Raymond A. 2,902,183.
- Dreitzler, Melvin E. 2,871,966.
- Erickson, Dennis E. 2,906,405.
- Gardner, Richard H. 2,899,938.
- Hastings, Russell, Jr. 2,898,872.
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- Hastings, Russell, Jr., and Backofen. 2,906,373.
- Hastings, Russell, Jr., Mackie, and Squier. 2,911,232.
- Jenney, Asa. 2,917,143.
- Lapsley, Robert. 2,893,260.
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- Loomis, Jack E., and McKee. 2,902,247.
- Mackie, Harry A. 2,881,931.
- McColl, Bruce J. 2,876,658.
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- Miller, James A. 2,894,415.
- Mills, Burton L. 2,886,196.
- Mindrum, Kenneth H. 2,904,203.
- Repke, Edward P. 2,867,451.
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- Repke, Edward P., and Wight. 2,877,916.
- Ripplingill, Frank. 2,902,988.
- Schirmer, Walter E. 2,872,992.
- Spatto, George. 2,885,242.
- Walls, Joseph J. 2,918,328.
- White, William E. 2,889,015.
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- Wight, Delano. 2,910,204.
- Clark, Ernest, to Abington Textile Machinery Works. Carding apparatus and method. 2,910,733, 11-3-59, Cl. 19-98.
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- Clark-Feather Mfg. Co.: See—
- Fladung, Albert L. 2,895,643.
- Clark, Francis E., to Turko Products, Inc. Apparatus and method for removing metal from the surface of a metal object. 2,895,814, 7-21-59, Cl. 41-48.
- Clark, Frank P. Suds and hot water saver. 2,877,788, 3-17-59, Cl. 137-122.
- Clark, Geoffrey, and H. Nagel, to Eastman Kodak Co. Photographic exposure controlling means. 2,878,737, 3-24-59, Cl. 95-44.
- Clark, George A., and H. W. Ralsch, Jr., to American Can Co. Alkylene bis stearamide-synthetic rubber coating composition. 2,884,392, 4-28-59, Cl. 260-28.5.
- Clark, George F., to Hleatt Engineering Co. Pressure relieved explosion chamber. 2,917,927, 12-22-59, Cl. 73-432.
- Clark, George H.: See—
- Blow, Angus W., and Clark. 2,881,250.
- Clark, Gerald A.: See—
- Havens, Carl B., and Clark. 2,84,022.
- Clark, Gerald A., to The Dow Chemical Co. Chloroethylene polymers and allylclorohydroxybenzophenones. 2,898,823, 8-4-59, Cl. 260-15.85.
- Clark, Gerald A., and C. R. Havens, to The Dow Chemical Co. 2,4-dihydroxy benzophenone derivatives. 2,891,996, 6-23-59, Cl. 260-591.
- Clark, Gerald A., C. R. Havens, and R. G. Brookens, to The Dow Chemical Co. Hydrocarbon polymers stabilized with B-resorcylic acid diesters. 2,910,454, 10-27-59, Cl. 260-45.85.
- Clark, Gordon W.: See—
- Ipsen, Peter G., and Clark. 2,902,831.
- Clark, Harold A., to Dow Corning Corp. Branched siloxanes. 2,877,255, 3-10-59, Cl. 260-448.2.
- Clark, Harold A., to Dow Corning Corp. Siloxane casting resins. 2,894,930, 7-14-59, Cl. 260-42.
- Clark, Harold A., to Dow Corning Corp. Fast curing organosiloxane resins. 2,906,734, 9-29-59, Cl. 260-46.5.
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- Clark, Harold A., and L. A. Haluska, to Dow Corning Corp. Trisiloxanes. 2,877,256, 3-10-59, Cl. 260-448.2.
- Clark, Harold E., to Haloid Xerox Inc. Magnetic brush cleaning. 2,911,330, 11-3-59, Cl. 134-1.
- Clark, Harold E., and R. W. Gundlach, to Haloid Xerox, Inc. Apparatus for developing an electrostatic latent image. 2,880,696, 4-7-59, Cl. 118-637.
- Clark, Harold L.: See—
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- Clark, Henry B. Sliding and sealing door for cold storage and the like. 2,878,532, 3-24-59, Cl. 20-19.
- Clark, Henry H. Cup hanger. 2,906,406, 9-29-59, Cl. 211-13.
- Clark, Herbert, P. M. Owen, and M. G. Starr, to Chance Vought Aircraft Inc. Blast-controlling means. 2,899,866, 8-18-59, Cl. 89-37.5.
- Clark, Hewitt N. Clean cleaner. 2,887,713, 5-26-59, Cl. 15-237.
- Clark, Howard G.: See—
- Black, William B., and Clark. 2,912,415.
- Clark, James A., to The Automatic Serigraph Corp. Serigraph. 2,881,323, 4-7-59, Cl. 250-66.
- Clark, James B.: See—
- Miller, Herbert J., Behles, and Clark. 2,904,366.
- Clark, James D., to Fibrofelt Corp. Method and means for deburring materials. 2,890,493, 6-16-59, Cl. 19-65.
- Clark, James d'A., to Changewood Corp. Hydraulic molding press. 2,875,797, 3-8-59, Cl. 144-281.
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- Clark, James d'A., to Changewood Corp. Storage and feed apparatus. 2,895,625, 7-21-59, Cl. 214-17.
- Clark, James R., Jr., and L. G. Christensen, to James-Pond-Clark. Check valve and cage construction. 2,918,083, 12-22-59, Cl. 137-515.5.
- Clark, James T.: See—
- Sondie, Henry P., and Pralle. 2,900,781.
- Clark, James T. Disassembling tools for hydraulic valve lifters. 2,877,542, 3-17-59, Cl. 29-213.
- Clark, James T. Lawn sprinkling nozzles. 2,892,594, 6-30-59, Cl. 239-280.
- Clark, James T. Adjustable mirror assembly for motor vehicles. 2,897,726, 8-4-59, Cl. 85-93.
- Clark, Jane B.: See—
- Clark, John. 2,868,133.
- Clark, Jared W., to Union Carbide Corp. Composite packaging unit. 2,914,238, 11-24-59, Cl. 229-55.
- Clark, Jared W., and A. E. Winslow, to Union Carbide Corp. Production of polymeric materials from polyoxalkylene polyols and butadiene diepoxide. 2,897,163, 7-28-59, Cl. 260-2.
- Clark, Jay L.: See—
- Whitney, Gilbert C., Jr., and Clark. 2,912,942.
- Clark, Joe H., and W. E. Taft, to American Cyanamid Co. 3-amino-6-substituted pyridazines and methods of preparing and utilizing same. 2,891,953, 6-23-59, Cl. 260-250.
- Clark, John: See—
- Brinker, Harry F., and Clark. 2,904,881.
- Clark, John, deceased, by J. B. and M. S. L. Clark, and H. MacMurchy, executors, to J. B. Clark. Centrifugal pumps. 2,868,133, 1-13-59, Cl. 103-87.
- Clark, John A., Jr., and J. J. Fischer, to The Patterson-Kelley Co., Inc. Heat exchanger. 2,869,834, 1-20-59, Cl. 257-235.
- Clark, John B., Jr., to General Motors Corp. Fuel injection system. 2,880,714, 4-7-59, Cl. 123-140.
- Clark, John C., to Western Piping & Engineering Co., Inc. Cable winch. 2,895,714, 7-21-59, Cl. 254-165.
- Clark, John D.: See—
- Huddle, Edwin F., and Clark. 2,895,278.
- Mulqueeny, Thomas J., and Clark. 2,889,216.
- Clark, John P. Mixer for liquid fuels. 2,891,572, 6-23-59, Cl. 137-544.
- Clark, John R.: See—
- Page, Victor A. W., and Clark. 2,915,728.
- Clark, John R., K. F. Finlay, deceased, by D. L. Finlay, executor, to Northrop Aircraft, Inc. Airborne missile to carrier aircraft attachment arrangement. 2,876,677, 3-10-59, Cl. 89-1.5.
- Clark, Jonathan H., and A. R. Balrd. Loader. 2,889,944, 6-9-59, Cl. 214-82.
- Clark, Jorge L. D., Jr., to R. G. Montag. Parking device for automobiles. 2,870,851, 1-27-59, Cl. 180-1.
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- Clark, Joseph T., Jr., to The Leeco-Neville Co. Electric motor construction. 2,890,357, 6-9-59, Cl. 310-258.
- Clark, Julius: See—
- Myrick, Elvin L., and Clark. 2,906,226.
- Clark, Kenneth C., and J. F. Strickland. Fishhook package. 2,904,925, 9-22-59, Cl. 43-57.5.
- Clark, Kenneth J. B.: See—
- Hirst, Archie J., and Clark. 2,891,744.
- Clark, Lawrence, to Armstrong Cork Co. Rubbery flexible closed cell product. 2,873,259, 2-10-59, Cl. 260-2.5.
- Clark, Leland B., Sr. Electrically conductive films and method for producing same. 2,898,496, 8-4-59, Cl. 313-93.
- Clark, Leland C., Jr. Electrochemical device for chemical analysis. 2,913,386, 11-17-59, Cl. 204-195.
- Clark, Le Roy E. Internal combustion engine manifold heater. 2,873,349, 2-10-59, Cl. 219-35.
- Clark, Lincoln: See—
- Coulson, Gordon R., and Clark. 2,885,339.
- Clark, Louis F. Recovering metal values from sulfur containing ores. 2,871,116, 1-27-59, Cl. 75-108.
- Clark, Lucius K., and C. L. King. Gas anticipator. 2,901,566, 8-25-59, Cl. 200-61.03.



- Clark, Margaret S. L.: See—  
Clark, John. 2,868,133.
- Clark, Nathan C., to Lockheed Aircraft Corp. Phase sequence sensitive circuits. 2,914,703, 11-24-59, Cl. 317-48.
- Clark, Nell M., to Waco Mfg. Co. Tie rod for concrete wall forms. 2,887,758, 5-26-59, Cl. 25-131.
- Clark, Raymond N.: See—  
Koros, Leslie L., Clark, and Duris. 2,885,642.
- Clark, Robert A. Lock. 2,880,606, 4-7-59, Cl. 70-214.
- Clark, Robert A. Door lock. 2,889,164, 6-2-59, Cl. 292-229.
- Clark, Robert C. Vertically slatted blinds for windows. 2,905,237, 9-22-59, Cl. 160-176.
- Clark, Robert D.: See—  
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- Clark, Robert E., to E. I. du Pont de Nemours and Co. Spinning solution. 2,875,079, 2-24-59, Cl. 106-165.
- Clark, Robert L., to Ward Leonard Electric Co. High load current switch. 2,872,543, 2-3-59, Cl. 200-87.
- Clark, Robert L., to Ward Leonard Electric Co. Contactor. 2,904,657, 9-15-59, Cl. 200-104.
- Clark, Robert L. Well developer. 2,915,128, 12-1-59, Cl. 166-177.
- Clark, Robert O. Apparatus for displaying images of a plurality of oscillographic film records. 2,891,442, 6-23-59, Cl. 88-24.
- Clark, Sheldon L.: See—  
Stange, Hugo, and Clark. 2,867,502.
- Clark, Sidney F.: See—  
White, Robert H., Cowles, and Clark. 2,894,791.
- Clark Suds Return Systems, Inc.: See—  
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- Clark, Truman B.: See—  
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- Clark & Vicario Corp.: See—  
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- Clark, Wallace. Down-hole motor positioning device. 2,893,693, 7-7-59, Cl. 255-4.
- Clark, Wallace. Well drilling apparatus and method. 2,898,087, 8-4-59, Cl. 255-4.
- Clark, Walter K.: See—  
Kiernan, Conleth E., and Clark. 2,872,366.
- Clark, Welmon D., to General Electric Co. Selective circuit. 2,894,120, 7-7-59, Cl. 250-6.
- Clark, William B.: See—  
Clark, Albert R. and W. 2,905,340.
- Clark, William H., to The Dow Chemical Co. Method of treating earth formations. 2,888,988, 6-2-59, Cl. 166-15.
- Clark, William J., and J. W. Eddy, to Chrysler Corp. Torsion bar hinge assembly. 2,871,505, 2-3-59, Cl. 16-180.
- Clark, William R., to Leeds and Northrup Co. Cable transmission systems for recorders. 2,884,788, 5-5-59, Cl. 74-107.
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- Clark, Willis E., and J. E. Beall. Container ejecting mechanism. 2,896,820, 7-28-59, Cl. 221-210.
- Clarke, Arthur F., Jr., to Bendix Aviation Corp. Vacuum tube mounting. 2,894,177, 7-7-59, Cl. 317-101.
- Clarke, Bruce P., to Ingersoll-Rand Co. Controlling device for hoists. 2,893,357, 7-7-59, Cl. 121-464.
- Clarke, Charles E., and J. P. Silk; said Clarke assor. to said Silk. Wheel rotating apparatus for tire washing machine. 2,910,202, 10-27-59, Cl. 214-340.
- Clarke, Charles O. Automotive shade screen. 2,917,111, 12-15-59, Cl. 160-91.
- Clarke, Daniel J., to The Stalker Corp. Rotor construction for axial flow compressors. 2,884,186, 4-28-59, Cl. 230-134.
- Clarke, Daniel J., to The Stalker Development Co. Axial flow compressors. 2,892,583, 6-30-59, Cl. 230-134.
- Clarke, David E., to Texas Instruments Inc. Electrical switch. 2,901,575, 8-25-59, Cl. 200-122.
- Clarke, Donald H., to Lever Brothers Co. Manufacture of aerated shortening. 2,882,166, 4-14-59, Cl. 99-118.
- Clarke, Frank H., to American Cyanamid Co. Thawing frozen tissue. 2,914,448, 11-24-59, Cl. 167-74.
- Clarke, Frederick R. M., and H. F. Plant, to Precision Grinding Ltd. Pattern-controlled machine tools. 2,911,182, 11-3-59, Cl. 251-3.
- Clarke, George F.: See—  
Halford, Frank B., and Clarke. 2,869,821.
- Clarke, George W., deceased (by Barclays Bank Ltd., executor), W. K. Weston, and R. J. M. Andrews, to International Standard Electric Corp. Submarine cable repeater housings. 2,894,056, 7-7-59, Cl. 174-31.
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- Clarke, Graham M., to The M. O. Valve Co. Ltd. Electric travelling wave amplifiers. 2,898,507, 8-4-59, Cl. 315-3.0.
- Clarke, Houghton W., 99% to Mealpack Corp. Dish and tray combination. 2,886,225, 5-12-59, Cl. 224-48.
- Clarke, James A.: See—  
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- Clarke, John S., and E. S. Collinson, to Joseph Lucas (Industries) Ltd. Combustion chambers for jet-propulsion engines, gas turbines or the like. 2,867,982, 1-13-59, Cl. 60-39.69.
- Clarke, John S., and S. R. Jackson, to Joseph Lucas (Industries) Ltd. Combustion chambers for jet-propulsion engines, gas turbines, or other apparatus. 2,872,971, 2-10-59, Cl. 158-4.
- Clarke, John V., Jr.: See—  
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- Smith, John O., Jr., and Clarke. 2,884,431.
- Clarke, John V., Jr., S. J. Metro, and J. O. Smith, Jr., to Esso Research and Engineering Co. Petroleum distillate fuels. 2,904,410, 9-15-59, Cl. 44-72.
- Clarke, Maurice G.: See—  
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- Clarke, Otto A., and R. W. Dickson, to United States Steel Corp. Rail end grinder. 2,867,951, 1-13-59, Cl. 51-56.
- Clarke, Richard G.: See—  
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- Clarke, Robert D.: See—  
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- Clarke, William W., C. C. Stevens, H. Bauer, H. Jarvis, Jr., and P. Heller, to Universal Winding Co. Coil winding machine. 2,912,186, 11-10-59, Cl. 242-158.4.
- Clarcken Co., The: See—  
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- Clarkson, Allick, to Vapor Heating Corp. Hot water heater. 2,906,250, 9-29-59, Cl. 122-165.
- Clarkson, Allick, and W. W. Parks, to Vapor Heating Corp. Feed water pump. 2,899,247, 8-11-59, Cl. 309-2.
- Clarkson, Jack, to British Nylon Spinners Ltd. Production of silvers of staple fibers from tow of continuous filaments. 2,872,707, 2-10-59, Cl. 19-51.
- Clarostat Mfg. Co., Inc.: See—  
Mucher, George J. 2,879,363.
- Mucher, George J. 2,879,364.
- Mucher, George J., and Joy. 2,906,984.
- Clarvoe, George W., to Johns-Manville Corp. Adhesive applicator. 2,889,922, 6-9-59, Cl. 206-56.
- Clary Corp.: See—  
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- Boyd, Robert E., Scozzafava, and Stansell. 2,894,449.
- Christoff, Chris A., and Witt. 2,910,936.
- Domizi, Dante J. 2,883,107.
- Kintner, Donald J. 2,883,104.
- Loudon, Robert E., and Skare. 2,877,387.
- Mark, Richard S. 2,879,712.
- Scozzafava, Milton V., and Busch. 2,879,993.
- Stansell, Alpheus F. 2,917,231.
- Witt, Elwin O., and Christoff. 2,915,968.
- Clasen, Hermann, to Siemens & Halske Aktiengesellschaft. Process for the production of  $\text{SiH}_4\text{Cl}_2$ . 2,900,225, 8-18-59, Cl. 23-14.
- Class, Helmut F., R. H., and T., deceased; by M. Claas, nee Segal, heir and guardian of minor heirs, and E. M. T. Claas, heir. Press and means for safeguarding same against excessive loads. 2,913,977, 11-24-59, Cl. 100-50.
- Claude General Neon Lights Ltd.: See—  
Higgins, Clifford, and Prior. 2,881,345.
- Claude Paz et Visseseaux: See—  
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- Claudi-Magnussen, Finn: See—  
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- Claud-Mantle, Arthur, to Tangel Material Handling Equipment, Inc. Conveyor switch device. 2,873,689, 2-17-59, Cl. 104-103.
- Claud-Mantle, Arthur, to The Bassick Co. Box lid fastener. 2,876,031, 3-3-59, Cl. 292-112.
- Claud-Mantle, Arthur, to Stewart-Warner Corp. Hood latch. 2,877,035, 3-10-59, Cl. 292-56.
- Claud-Mantle, Arthur, to Stewart-Warner Corp. Hood latch. 2,884,275, 4-28-59, Cl. 292-52.
- Claud-Mantle, Arthur, to The Bassick Co. Handle-equipped lid fastener. 2,893,771, 7-7-59, Cl. 292-113.
- Claud-Mantle, Arthur, to The Bassick Co. Box lid fastener. 2,913,273, 11-17-59, Cl. 292-246.
- Claud-Mantle, Arthur, to The Bassick Co. Box lid fastener. 2,916,901, 12-15-59, Cl. 70-76.
- Claudy, Harry N., to Phillips Petroleum Co. Contactor and torque control device. 2,873,584, 2-17-59, Cl. 62-135.
- Clauser, Calvin K.: See—  
Van Doren, Phillip T. 2,872,825.
- Clause, Edward P.: See—  
La Rose, Royal J., and Clause. 2,871,645.
- Clausen, Harvey W.: See—  
Boswau, Hans P., Clausen, and Evera. 2,907,983.
- Clausen, Robert A. Disposer for waste material. 2,903,192, 9-8-59, Cl. 241-43.
- Clausen, Sigurd, to International Cigar Machinery Co. Paster unit. 2,891,556, 6-23-59, Cl. 131-82.
- Clauser, Herbert C., and R. S. Long, to Kilgore, Inc. Firing mechanism. 2,889,653, 6-9-59, Cl. 42-1.
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- Clausing, Challiss I., to I-T-E Circuit Breaker Co. Magnetic latch calibration system. 2,881,283, 4-7-59, Cl. 200-93.
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- Clauson, Arthur D., to Dormeyer Corp. Splitter for portable electric saw. 2,916,062, 12-8-59, Cl. 143-159.
- Clauson-Kaas, Niels K. F. W., to A/S Sadolin & Holmblad. Production of trialkoxy tetrahydrofurans. 2,879,278, 3-24-59, Cl. 260-347.8.
- Clauson-Kaas, Niels K. F. W., and N. Elming, to Sadolin & Holmblad A/S. Process for the preparation of vitamin B<sub>6</sub> intermediates employed therein, and processes of preparing the same. 2,875,207, 2-24-59, Cl. 260-297.5.
- Clauss Cutlery Co.: See—  
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- Clauss, Richard J.: See—  
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- Clauss, Robert W., to National Dairy Products Corp. Automatic package marking device. 2,908,219, 10-13-59, Cl. 101-44.
- Claussen, Walter F., to Corning Glass Works. Method of vapor coating. 2,893,895, 7-7-59, Cl. 117-106.
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- Clavier, William E., G. H. Eaton, and R. F. Benight. Drill bit mechanism. 2,877,986, 3-17-59, Cl. 255-61.
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- Clawson, O. R.: See—  
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- Claxton, Arlie W., to Minerals & Chemicals Corp. of America. Adhesives containing kaolin. 2,892,731, 6-30-59, Cl. 106-208.
- Claxton, William E., to The Firestone Tire & Rubber Co. Plastic testing device. 2,904,994, 9-22-59, Cl. 73-15.6.
- Clay-Adams, Inc.: See—  
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- Clay, Clarence S., Jr.: See—  
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- Clay, Clarence S., Jr., to Jersey Production Research Co. Multiple transducer array. 2,906,363, 9-29-59, Cl. 181-5.
- Clay, Harris A., to Phillips Petroleum Co. Control system for separation process. 2,882,693, 4-21-59, Cl. 62-21.
- Clay, Harry J. Automatic holder for towels, hats and other articles. 2,912,117, 11-10-59, Cl. 211-89.
- Clay, Howard W.: See—  
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- Clay, Howard W., to J. R. Sassaman. Hammer. 2,894,550, 7-14-59, Cl. 145-36.
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- Clay, Jeff C., to The Long Co. Motor mounting. 2,894,489, 7-14-59, Cl. 121-36.
- Clay, Robert A., to M. Abraham. Shot blasting machines. 2,869,291, 1-20-59, Cl. 51-14.
- Clay, Sam L. Measuring instrument. 2,916,829, 12-15-59, Cl. 33-147.
- Clayden, David O.: See—  
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- Newman, Edward A., Davies, and Clayden. 2,891,723.
- Claypoole, Stewart A., to Corning Glass Works. Composite article and method. 2,889,952, 6-9-59, Cl. 220-2.1.
- Clayson, Kenneth D. Fountain sponges. 2,904,809, 9-22-59, Cl. 15-130.
- Clayton, Arthur J., to Boeing Airplane Co. Closed system for venting and inerting aircraft fuel tanks. 2,870,936, 1-27-59, Cl. 220-88.
- Clayton, Benjamin: See—  
Thurman, Benjamin H. 2,876,242.
- Thurman, Benjamin H. 2,892,619.
- Thurman, Benjamin H. 2,917,525.
- Clayton, Benjamin. Upgrading of soda ash soapstock. 2,902,501, 9-1-59, Cl. 260-412.5.
- Clayton Dewandre Co. Ltd.: See—  
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- Hanebeck, Emil F. 2,895,571.
- Jeffery, Harold. 2,916,015.
- Clayton, John E.: See—  
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- Cline, Edwin L. 2,870,875.
- Miller, Walter E. 2,903,406.
- Smolen, Stanley. 2,885,165.
- Clayton Mark & Co.: See—  
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- Clayton, Robert E.: See—  
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- Sparks, William J., Clayton, and Briggs. 2,884,982.
- Clayton, Robert E., to Esso Research and Engineering Co. Weather resistant white composition containing butyl rubber. 2,889,307, 6-2-59, Cl. 260-41.5.
- Clayton, William, to Barksdale Mfg. Co. Engine exhaust gas afterburner. Re. 24,717, 10-6-59, Cl. 60-30.
- Clayton, William G., and J. A. Finley. Holder for brooms and similar implements. 2,911,172, 11-3-59, Cl. 248-113.
- Claytor, Edward M., to General Motors Corp. One way clutch with electromagnetic energizer. 2,919,000, 12-29-59, Cl. 192-84.
- Cleanola Co., The: See—  
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- Clear Fir Products Co., Inc.: See—  
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- Mohr, George D. 2,879,741.
- Walsh, Paul R., and Mohr. 2,879,904.
- Clearman, Jack F., to Whirlpool Corp. Flatirons. 2,918,739, 12-29-59, Cl. 38-77.
- Clearman, Jack F., to Whirlpool Corp. Transfer valve. 2,918,927, 12-29-59, Cl. 134-200.
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- Cleary, Patrick J.: See—  
Sullivan, William R., Cleary, and Love. 2,917,388.
- Cleary, Richard W.: See—  
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- Cleaver, Arthur V.: See—  
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- Cleaver-Brooks Co.: See—  
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- Grobecker, Hugo H. 2,899,851.
- Loebel, Frederick A., and Ewing. 2,898,910.
- Loebel, Frederick A., and Grobecker. 2,890,722.
- Loebel, Frederick A., and Grobecker. 2,899,980.
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- Cleaver, John C., H. H. Grobecker, and F. G. Wiegatz, to Cleaver-Brooks Co. Tube bending apparatus. 2,890,737, 6-16-59, Cl. 153-81.
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- Clegg, Douglas. Apparatus for automatic and sanitary milking. 2,886,000, 5-12-59, Cl. 119-14.27.
- Clegg, John W., to C.A.V. Ltd. Governors for internal combustion engine liquid fuel injection pumps. 2,891,533, 6-23-59, Cl. 123-140.
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- Cleland, James E.: See—  
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- Cleland, Marshall R., to Radiation Dynamics, Inc. Voltage multiplication apparatus. 2,875,394, 2-24-59, Cl. 321-15.
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- Clelland, William M., J. P. Wilson, and D. C. Glassford, to Proctor & Schwartz, Inc. Structural assemblies. 2,915,892, 12-8-59, Cl. 72-14.
- Clem, Everett W., to Rice Barton Corp. Spiral wrapping machine. 2,872,767, 2-10-59, Cl. 53-198.
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- Clemens, Milton L., Jr., to Eastman Kodak Co. Gentile acid purification. 2,870,199, 1-20-59, Cl. 260-521.
- Clemens, Ogden A.: See—  
Hengsten, Bernard T., Bonami, and Clemens. 2,907,152.
- Hengsten, Bernard T., Clemens, and Urbain. 2,877,118.
- Clemens, Ira N. Pipe supporting and aligning fixture. 2,890,042, 6-9-59, Cl. 269-104.
- Clemenson, Robert E., to United States of America, Atomic Energy Commission. Variable time delay means. 2,911-598, 11-3-59, Cl. 333-29.
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- Clement, Carl J., Jr.: See—  
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- Tepper, Gene S., and Clement. 2,875,905.
- Clement, David M., to Collin Byford Ltd. Moisture traps in tobacco pipes and cigarette holders. 2,911,983, 11-10-59, Cl. 131-201.
- Clement, Jean: See—  
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- Clement, Milton A.: See—  
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- Morris, Frank A., Clement, and Harris. 2,894,068.
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- Clement, Milton A., to General Dynamics Corp. Failure circuit for counting chains. 2,899,675, 8-11-59, Cl. 340-248.
- Clement, Milton A., and R. K. Boyd, to General Dynamics Corp. Apparatus for testing gas tubes. 2,902,638, 9-1-59, Cl. 324-26.
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- Clementi, John A., to Beckman Instruments, Inc. Variable resistance element. 2,875,307, 2-24-59, Cl. 201-48.
- Clements, A. E., Ltd.: See—
- Clements, Albert E.: 2,896,235.
- Clements, Albert E., to A. E. Clements, Ltd. Combined mop and wringer with additional cleaning member. 2,896,235, 7-28-59, Cl. 15-116.
- Clements, Louis E.: See—
- Carpenter, David L., and Clements. 2,917,665.
- Clements Mfg. Co.: See—
- Thornwald, Everett D. 2,907,588.
- Clements, Roy J., R. J. Loofbourrow, and B. D. Lee, to Texaco Inc. Crystal microphone. 2,914,686, 11-24-59, Cl. 310-9.1.
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- Rush, Hugh M. 2,877,660.
- Clements Warner W. Impulse type electromotive device. 2,885,806, 5-5-59, Cl. 317-165.
- Clements, Warren F., to The Babcock & Wilcox Co. Surface hardened annular grinding ring. 2,876,955, 3-10-59, Cl. 241-129.
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- Guard, Ray W., and Clemm. 2,905,553.
- Clemons, Dale R., to Western Electric Co., Inc. Methods of making electrical capacitors. 2,908,067, 10-13-59, Cl. 29-25.42.
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- Sehn, Francis J., and Clemons. 2,910,321.
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- Brown, Hugh M. 2,908,133.
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- Clemson Bros., Inc.: See—
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- Schrade, William A., and Clemson. 2,871,647.
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- Clerk, Ernest J. Propulsion systems for boats. 2,905,133, 9-22-59, Cl. 115-41.
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- Clermont, William T.: See—
- Anastasia, Harry G., and Clermont. 2,879,351.
- Cleveland Container Co., The: See—
- Vallas, Charles L. 2,891,714.
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- Cleveland Crane & Engineering Co., The: See—
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- Sorby, Anthony J. 2,879,417.
- Cleveland Electrical Equipment Co., Inc.: See—
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- Cleveland, Eric G., and A. D. Standley, Jr., to Delta Engineering Corp. Method and apparatus for counting and packaging articles. 2,899,784, 8-18-59, Cl. 53-61.
- Cleveland, Frank C., Jr.: See—
- Kerr, Ralph W., and Cleveland. 2,884,413.
- Cleveland, Hugh M.: See—
- Becker, Edward J., Cleveland, Pondy, and Robinson. 2,914,402.
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- Cleveland Metal Specialties Co.: See—
- Gross, Irving A. 2,875,264.
- Japel, Joseph P. 2,912,312.
- Cleveland Patents, Inc.: See—
- Hickok, Robert D., Jr. 2,870,400.
- Cleveland Pneumatic Industries, Inc., The: See—
- Conant, David J. 2,882,742.
- Gall, William A. 2,918,890.
- Gates, James T. 2,882,781.
- Hagadone, Donald G. 2,918,339.
- Hamilton, Wallace. 2,873,964.
- Hartel, Erwin H. 2,892,625.
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- Hens, Karls. 2,893,794.
- Jungles, Robert N. 2,868,536.
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- Cleveland Pneumatic Industries, Inc., The: See—Continued
- Karlin, Anthony F. 2,882,740.
- Lovell, Jack. 2,919,084.
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- Martin, Francis J., and Schedlow. 2,887,091.
- Olson, Raymond G. 2,871,732.
- Prescott, David B. 2,919,127.
- Scott, Robert C., and Hogan. 2,892,626.
- Westcott, William B., Jr. 2,868,482.
- Westcott, William B., Jr. 2,916,283.
- Cleveland Rock Drill Division, Westinghouse Air Brake Co.: See—
- Feucht, Jacob E. 2,874,933.
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- Hannigan, Joseph E. 2,906,324.
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- Frohlich, Adolf. 2,904,831.
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- Clever, William R., to Pittsburgh Plate Glass Co. Method of and apparatus for transferring sheet material. 2,900,761, 8-25-59, Cl. 49-1.
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- Davies, Gail F., and Dodds. 2,892,697.
- Frankel, Burton, and Cunn. 2,887,671.
- Gravley, Charles K. 2,875,501.
- Griffin, John T. 2,915,616.
- Josephson, Robert H., and Small. 2,891,826.
- Kornel, Otto. 2,905,770.
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- Kulesar, Frank. 2,911,370.
- Kulesar, Frank, and Cmolk. 2,906,710.
- Mattiat, Oskar E. 2,877,432.
- McCutchen, Samuel P., Jr., and Eskilson. 2,888,522.
- Morey, Richard F., Jr. 2,916,704.
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- Clevite Harris Products, Inc.: See—
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- Cliborn, Robert: See—
- Angell, Pierce T., and Cliborn. 2,910,005.
- Cliborn, Robert, to Thompson Products, Inc. Mechanical-pneumatic turbine control. 2,869,565, 1-20-59, Cl. 137-58.
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- Clifford, William. 2,899,690.
- Clifford, William, deceased; S. M. Clifford, sole legatee of said W. Clifford; to C. C. Pajdowski. Adjustable water closet collar. 2,899,690, 8-18-59, Cl. 4-252.

- Clift, Gilbert B., Jr., to Texas Instruments Inc. Recorder with combination latching and tearing assembly. 2,913,299, 11-17-59, Cl. 346-24.
- Clift, Paul E., to Thomas Hunter Ltd. Closure of bottles, jars and like containers. 2,869,303, 1-20-59, Cl. 53-331.
- Clifton Automatic Screw Machine Products, Inc.: See—
- Clifton, Harry V. 2,892,259.
- Clifton, Chester C., to Acorn Co. Dolly casters. 2,895,160, 7-21-59, Cl. 16-47.
- Clifton, Chester C., to Mighty Mover Corp. Straddle trailers. 2,896,803, 7-28-59, Cl. 214-396.
- Clifton Conduit Corp.: See—
- Pearson, William S. 2,893,348.
- Clifton, Harry V., to Clifton Automatic Screw Machine Products, Inc. Combination protector and removing device for thread gauges. 2,892,259, 6-30-59, Cl. 33-199.
- Clifton Precision Products Co., Inc.: See—
- Jacobson, Irvin S. 2,895,048.
- Clifton, Ray H. Amusement device. 2,912,789, 11-17-59, Cl. 46-6.
- Clifton, Ronald L. Automotive mechanical starter. 2,876,644, 3-10-59, Cl. 74-6.
- Clifton, Walter L., Jr., to American Art Metals Co. Door and lock assembly. 2,882,711, 4-21-59, Cl. 70-451.
- Clifton, Walter L., Jr., to American Art Metals Co. Latch and detent assembly. 2,893,773, 7-7-59, Cl. 292-223.
- Clime, Henry R. Football sighting device. 2,900,727, 8-25-59, Cl. 33-48.
- Cline, Cecil W. Detachable lazy tongs linkage. 2,878,639, 3-24-59, Cl. 59-79.
- Cline, Chalmers R. Steel grit and method for manufacturing same. 2,895,816, 7-21-59, Cl. 51-309.
- Cline, Earl E., and R. L. Freeman, to Ernest Holmes Co. Towing latches. Re. 2,471,9, 10-13-59, Cl. 214-86.
- Cline, Edward T., to E. I. du Pont de Nemours and Co. Process for chemically bonding a coating to an organic polymer substrate. 2,875,092, 2-24-59, Cl. 117-62.
- Cline, Edwin L.: See—
- Sturrock, Murray G., Cline, and Robinson. 2,898,350.
- Cline, Edwin L., to Clayton Mfg. Co. Hydro-kinetic brake device. 2,870,875, 1-27-59, Cl. 188-90.
- Cline, Emmett. Shuttle car. 2,872,747, 2-10-59, Cl. 37-124.
- Cline, John E. Brake locking mechanism. 2,871,995, 2-3-59, Cl. 188-152.
- Clingman, William H., Jr., to The American Oil Co. Hydrogenation of phenols. 2,891,096, 6-16-59, Cl. 260-631.
- Clingman, William H., Jr., to The American Oil Co. Hydrogenation of phenols. 2,891,097, 6-16-59, Cl. 260-631.
- Clingman, William H., Jr., to The American Oil Co. Separation of hexane isomers. 2,909,377, 10-20-59, Cl. 260-676.
- Clini, Daniel J. Collapsible clothes line support. 2,900,088, 8-18-59, Cl. 211-178.
- Clinical Research Foundation: See—
- Borsook, Marnie E., and Alperin. 2,868,374.
- Clinkenbeard, William L., W. F. Rollman, and A. B. Welty, Jr., to Esso Research and Engineering Co. Recovery of alkylation acid. 2,906,610, 9-29-59, Cl. 23-295.
- Clinton Industries, Inc.: See—
- Cohen, Saul M. 2,914,010.
- Clinton, Raymond O., to Sterling Drug Inc. Compounds of the perhydrochrysenes and related series and preparation thereof. 2,880,233, 3-31-59, Cl. 260-488.
- Clinton, Raymond O., to Sterling Drug Inc. Tertiary-aminoalkyl N-(pyridyl) carbamates and their preparation. 2,914,533, 11-24-59, Cl. 260-294.3.
- Clinton, Raymond O., and A. L. Beyler, to Sterling Drug Inc. 3 $\beta$ -acyloxy-17 $\beta$ -hydroxy-17 $\alpha$ -ethynyl-5-androstenes and androstanes and their preparation. 2,868,811, 1-13-59, Cl. 260-397.5.
- Clinton, Raymond O., and S. C. Laskowski, to Sterling Drug Inc. 2-diethylaminoethyl 5-amino-2-alkoxybenzoates and their preparation. 2,882,295, 4-14-59, Cl. 260-472.
- Clinton, Raymond O., and S. C. Laskowski, to Sterling Drug Inc. 2-diethylaminoethyl 3-amino-2-alkoxybenzoates and their preparation. 2,882,296, 4-14-59, Cl. 260-472.
- Clinton, William P., H. Guggenheim, T. Kraut, and R. M. Stinchfield, to General Foods Corp. Process for manufacture of soluble coffee. 2,915,403, 12-1-59, Cl. 99-71.
- Clipper Industries, Inc.: See—
- Andreassen, Norman H. 2,915,799.
- Clipper Mfg. Co.: See—
- Harclerode, John R. 2,874,687.
- Clitty, Albert E. Combination milling and grinding attachment for drill presses. 2,877,608, 3-17-59, Cl. 51-241.
- Clock, Gerald E.: See—
- Cipriano, Angelo L., Walters, and Clock. 2,917,407.
- Stilbert, Elmer K., Jr., Cummings, and Clock. 2,912,392.
- Stilbert, Elmer K., Jr., Cummings, and Clock. 2,912,393.
- Stilbert, Elmer K., Jr., Cummings, and Clock. 2,912,394.
- Clogston, Albert M., to Bell Telephone Laboratories, Inc. Nonreciprocal circuit element. 2,892,161, 6-23-59, Cl. 333-26.
- Cloos, Ernst, to P. O. Tobeler, d.b.a. Trans-Oceanic. Device to separate minerals by specific weight. 2,889,044, 6-2-59, Cl. 209-211.
- Clore, Thomas H., and W. M. Carter, to The Kentucky Research Foundation. Coupling for anchoring flexible lines. 2,881,497, 4-14-59, Cl. 24-126.
- Clorox Co., The: See—
- Barton, Larry J. 2,918,351.
- Close, Charles D., D. J. Rossi, and J. C. Williams, Jr., to CDC Control Services, Inc. Weighing machine. 2,882,037, 4-14-59, Cl. 265-47.
- Close, Charles F., to Arlington Seating Co. Furniture. 2,910,803, 11-3-59, Cl. 45-137.2.
- Close, Garth. Apparatus for dispensing stamps. 2,871,939, 2-3-59, Cl. 164-43.
- Close, Richard N., E. W. Karpen, E. W. Sard, and W. D. White, to United States of America, Army. Multiplexed indicator for track-while-scan channels. 2,917,737, 12-15-59, Cl. 343-7.3.
- Close, Robert H., to Plastray Corp. Plastic container. 2,882,947, 4-21-59, Cl. 150-5.
- Closson, Rex D.: See—
- Lizett, Waldo B., Wolf, and Closson. 2,885,319.
- Closson, Rex D., W. B. Ligett, and A. J. Kolka, to Ethyl Corp. Hydroperoxidation process. 2,868,842, 1-13-59, Cl. 260-610.
- Closson, Rex D., G. G. Ecke, and L. R. Buzbee, to Ethyl Corp. Process for preparing metal carbonyls. 2,880,066, 3-31-59, Cl. 23-203.
- Closson, Rex D., G. G. Ecke, and L. R. Buzbee, to Ethyl Corp. Process for preparing metal carbonyls. 2,880,067, 3-31-59, Cl. 23-203.
- Closson, Rex D., and D. O. De Pree, to Ethyl Corp. Production of organometallic compounds. 2,918,494, 12-22-59, Cl. 260-541.
- Clostermann, Klaus, deceased (by M. Clostermann, sole heir), and H. Borchers, to Accumulatore-Fabrik Akt. Grid for accumulator plates. 2,887,523, 5-19-59, Cl. 136-65.
- Clostermann, Marianne: See—
- Clostermann, Klaus, and Borchers. 2,887,523.
- Clothier, Gordon W., to Allis-Chalmers Mfg. Co. Generating station transformer cooling arrangement. 2,879,408, 3-24-59, Cl. 307-83.
- Cloud, Charles E., to W. S. Cloud. Method and apparatus for vacuum packing in plastic. 2,888,787, 6-2-59, Cl. 53-22.
- Cloud, John M.: See—
- Cloud, Pryor G., and J. M. 2,868,501.
- Cloud, Pryor G., and J. M., to Life Time Products Corp. Portable fluid-pressure-actuated jack. 2,868,501, 1-13-59, Cl. 254-93.
- Cloud, Robert E. Bathroom installation. 2,877,467, 3-17-59, Cl. 4-148.
- Cloud, William S.: See—
- Cloud, Charles E. 2,888,787.
- Clough, Harold A.: See—
- Hollinshead, Percy C., and Clough. 2,887,778.
- Clough, Harry, to Imperial Chemical Industries Ltd. Inhibitors of oxidation of phenols. 2,872,490, 2-3-59, Cl. 260-620.
- Clough, Harry, to Imperial Chemical Industries Ltd. Stabilization of phenols by diamines. 2,886,601, 5-12-59, Cl. 260-620.
- Clough, Kendall, to KG Electronics Corp. Safety tester for electrical appliances. 2,917,705, 12-15-59, Cl. 324-51.
- Clough, Philip J.: See—
- Baer, Charles A., and Clough. 2,877,145.
- Baer, Charles A., Buzbee, and Clough. 2,887,419.
- Bugbee, Wallace F., and Clough. 2,906,641.
- Wolfson, William B., King, Baer, and Clough. 2,897,095.
- Clougherty, Regis J.: See—
- Maxey, Hillis L., Steiner, and Clougherty. 2,902,812.
- Clouse, Easton R., and R. C. Woerner, to Sinclair Refining Co. Coking in a fluidized state. 2,878,162, 3-17-59, Cl. 202-28.
- Clouthier, Henry J. Christmas tree stand. 2,904,292, 9-15-59, Cl. 248-44.
- Cloverleaf-Freeland Corp.: See—
- Miller, William H. 2,890,521.
- Miller, William H. 2,890,566.
- Clow, James B., & Sons, Inc.: See—
- Kurtz, Ralph W. 2,898,131.
- Kurtz, Ralph W. 2,901,793.
- Clover, James G.: See—
- Parker, James S. 2,870,576.
- Clowes, Garth A., to Shakespeare Products Co. Vacuum control and motor. 2,895,455, 7-21-59, Cl. 121-41.
- Cloyd, Harold S.: See—
- Dann, Morris, Lockwood, and Cloyd. 2,884,123.
- Cloyd, Harold S., and C. W. Kufner, to Nosco Plastics, Inc. Measuring spout. 2,919,055, 12-29-59, Cl. 222-365.
- Club Razor Blade Mfg. Co.: See—
- Holohan, Bartholomew A. 2,870,905.
- Clubbs, Bennett A.: See—
- Foscoe, Clayton, and Clubbs. 2,882,969.
- Cluck, John M., Jr., and W. E. Miles, to Lufkin Foundry & Machine Co. Straddle trailer. 2,913,132, 11-17-59, Cl. 214-394.
- Cluett, Peabody & Co., Inc.: See—
- Donaldson, Harry C., Jr. 2,884,882.
- Kwok, Chi T. 2,871,486.
- Pfeffer, Edward C., Jr. 2,884,641.
- Schreiner, George A. 2,885,763.
- Cluff, Edward F., to E. I. du Pont de Nemours and Co. N-(2-hydroxyethyl)-N'-pentenyl-ethylenediamine. 2,913,496, 11-17-59, Cl. 260-584.



- Cluff, Harold E., W. E. Parker, and J. C. Ripley, Jr., to The Garrett Corp. Air turbine starter. 2,909,166, 10-20-59, Cl. 123-179.
- Clum Mfg. Co.: See—  
Pease, Harlow H. 2,874,338.
- Clurman, Stanley P., to G. W. Wholey. Inertia switches. 2,890,303, 6-9-59, Cl. 200-61.45.
- Clurman, Stanley P., to G. W. Wholey. Inertia switch with holding pole and reset. 2,898,415, 8-4-59, Cl. 200-61.45.
- Clurman, Stanley P., to G. W. Wholey. Inertia switch with time delay operation. 2,898,416, 8-4-59, Cl. 200-61.45.
- Clute, David G. Exposure meter for cathode-ray tube presentation photography. 2,899,859, 8-18-59, Cl. 88-23.
- Clutz, Charles: See—  
Harris, Manville S., and Clutz. 2,907,587.
- Cluwin, Johannes M.: See—  
Klinkhamer, Jacob F., Van Der Burgt, and Cluwin. 2,901,555.
- Van Urk, Arend T., and Cluwin. 2,869,050.
- Cluwin, Johannes M., to North American Phillips Co., Inc. Modulator circuit arrangement comprising transistors. 2,870,413, 1-20-59, Cl. 332-31.
- Cluwin, Johannes M., to North American Phillips Co., Inc. Limiting circuit. 2,885,575, 5-5-59, Cl. 307-88.5.
- Cluwin, Johannes M., to North American Phillips Co., Inc. Rotary system driven by electrical energy. 2,890,400, 6-9-59, Cl. 318-254.
- Cluwin, Johannes M., to North American Phillips Co., Inc. Magnetic circuit. 2,895,092, 7-14-59, Cl. 317-201.
- Cluwin, Johannes M., to North American Phillips Co., Inc. Arrangement for stabilizing the speed of a motor. 2,898,537, 8-4-59, Cl. 318-302.
- Cluwin, Johannes M., to North American Phillips Co., Inc. Frequency detector. 2,915,836, 12-1-59, Cl. 250-31.
- Clyde Iron Works, Inc.: See—  
Fox, Robert P. 2,888,150.
- Clymer, Joseph D., to Tokheim Corp. Swivelling junction box. 2,913,987, 11-24-59, Cl. 103-87.
- Clymer, Joseph D., and K. M. Slusher, to Tokheim Corp. Automatic circuit control device. 2,880,909, 4-7-59, Cl. 222-54.
- Clynch, Frank: See—  
Crawford, John M., and Clynch. 2,910,134.
- Clyncke, Pollette S. Holding devices for form boards and the like. 2,911,702, 11-10-59, Cl. 25-118.
- Clyne, Joseph, to Flexselev, Inc. Shorts type garment construction. 2,896,219, 7-28-59, Cl. 2-224.
- Cmolik, Clarence G.: See—  
Kulcsar, Frank, and Cmolik. 2,906,710.
- Coach & Car Equipment Co.: See—  
Baker, Edward. 2,915,188.
- Coakley, Lige, to Bemis Bro. Bag Co. Seaming apparatus. 2,914,108, 11-24-59, Cl. 154-42.
- Coal Industry (Patents) Ltd.: See—  
Partington, Alan, and MacRae. 2,890,873.
- Valentine, Reginald, and Glover. 2,916,358.
- Coallier, Maurice. Drawing instrument. 2,893,126, 7-7-59, Cl. 33-103.
- Coalwell, Herbert E. Feed roll for woodworking machine. 2,867,253, 1-6-59, Cl. 144-246.
- Coanda, Henri, to Societe Sebac Nouvelle S.A. Carburetor. 2,907,557, 10-6-59, Cl. 261-78.
- Coash, Robert E., and A. B. Kendall, to Clark Equipment Co. Load weighing device. 2,877,906, 3-17-59, Cl. 214-2.
- Coast Metals, Inc.: See—  
Cape, Arthur T. 2,868,957.
- Cape, Arthur T. 2,880,086.
- Cape, Arthur T., and Foerster. 2,899,302.
- Coast Pro-Seal & Mfg. Co.: See—  
Mineah, Lawrence E. 2,880,455.
- Coast Wire Co.: See—  
Millie, Walter V. 2,907,356.
- Coate, Cecil: See—  
Coate, Ned C. 2,889,047.
- Coate, Ned C., to C. Coate. Septic tank. 2,889,047, 6-2-59, Cl. 210-197.
- Coates, Elmer T., to Angelica Uniform Co. Feed dog for sewing machines. 2,882,846, 4-21-59, Cl. 112-216.
- Coates, Harold: See—  
Redfarn, Cyril A., and Coates. 2,909,446.
- Coates, Harold, and W. H. Hunter, to The Minister of Supply, in Her Majesty's Government. Manufacture of dialkyl alkanephosphonates. 2,880,223, 3-31-59, Cl. 260-438.
- Coates, Harold, and W. H. Hunter, to Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Manufacture of trialkyl phosphites. 2,897,224, 7-28-59, Cl. 260-461.
- Coates, Norman: See—  
Gilbert, Charles E. 2,888,659.
- Coates, Peter R., and H. G. Kamrath, to Fram Corp. Oil filters. 2,888,141, 5-26-59, Cl. 210-440.
- Coates, Vincent J., and L. B. Scott, to The Perkin-Elmer Corp. Radiation comparison systems. 2,900,866, 8-25-59, Cl. 88-14.
- Coats & Clark Inc.: See—  
Camp, William M. 2,918,886.
- Morin, Louis H. 2,883,707.
- Morin, Louis H. 2,887,282.
- Morin, Louis H. 2,890,487.
- Morin, Louis H. 2,890,490.
- Morin, Louis H. 2,902,234.
- Morin, Louis H. 2,902,235.
- Morin, Louis H. 2,902,783.
- Morin, Louis H. 2,914,800.
- Morin, Louis H. 2,914,805.
- Sinclair, John M. 2,875,490.
- Coats, Gilbert E. Wheel supporting and clamping apparatus. 2,895,519, 7-21-59, Cl. 144-288.
- Coatsworth, Alan. Laundry device for baby diapers and the like. 2,909,053, 10-20-59, Cl. 68-233.
- Cobb, Alfred E. Resistor. 2,890,431, 6-9-59, Cl. 338-76.
- Cobb, Charles E., 20% to J. A. Rush, and 5% to G. H. Hodges and A. Brest. Plastic paving composition. 2,909,440, 10-20-59, Cl. 106-107.
- Cobb, Clifton A., to Whirlpool Corp. Ignition and control system for gas burners. 2,883,174, 4-21-59, Cl. 263-33.
- Cobb, Joseph R., Jr.: See—  
Davison, Joseph W., and Cobb. 2,880,592.
- Cobb, Joseph R., Jr., to Phillips Petroleum Co. Cooling hot gases. 2,876,865, 3-10-59, Cl. 183-120.
- Cobb, Joseph R., Jr., to Phillips Petroleum Co. Recovery of hydrogen fluoride from a hydrocarbon mixture. 2,910,521, 10-27-59, Cl. 260-683.48.
- Cobb, Joseph R., Jr., to Phillips Petroleum Co. Hydrocarbon purification process. 2,916,888, 12-15-59, Cl. 62-33.
- Cobb, Leland D., to General Motors Corp. One-way clutch. 2,870,890, 1-27-59, Cl. 192-45.1.
- Cobb, Leland D., to General Motors Corp. Demountable closure. 2,872,219, 2-3-59, Cl. 286-5.
- Cobb, Leland D., to General Motors Corp. One-way clutch. 2,886,152, 5-12-59, Cl. 192-45.1.
- Cobb, Leland D., to General Motors Corp. One-way clutch. 2,886,153, 5-12-59, Cl. 192-45.1.
- Cobb, Leland D., to General Motors Corp. Demountable closure. 2,887,330, 5-19-59, Cl. 286-5.
- Cobb, Neal L., to Parsons-Revolute Corp. Automatic dating device for print-making machines. 2,909,997, 10-27-59, Cl. 101-232.
- Cobb, Raymond L., and C. R. Scott, to Phillips Petroleum Co. Preparation of hydrogenated polymers. 2,917,495, 12-15-59, Cl. 260-85.1.
- Cobb, William G., to United States of America, Atomic Energy Commission. Neutronic reactor fuel pump. 2,888,878, 6-2-59, Cl. 103-103.
- Cobb, William R. Pipe seal assemblies. 2,881,805, 4-14-59, Cl. 138-99.
- Cobbett, Leonard C., and E. D. Winkler, to Albert & J. M. Anderson Mfg. Co. Insulated electrical connector. 2,917,722, 12-15-59, Cl. 339-59.
- Cobbie, James A., Jr.: See—  
Cobbie, James A., Sr., Cobbie, Leonard, and Pardue. 2,873,705.
- Cobbie, James A., Sr., J. A. Cobbie, Jr., G. C. Leonard, and J. A. Pardue. Tufting machines. 2,873,705, 2-17-59, Cl. 112-79.
- Cobehm, Inc.: See—  
Henzel, George L. 2,904,053.
- Coberly, Clarence J., to Kobe, Inc. Free pump system with reverse flow. 2,869,470, 1-20-59, Cl. 103-46.
- Coberly, Clarence J., to Wulf Process Co. Nozzle assembly. 2,882,960, 4-21-59, Cl. 158-7.
- Coberly, Clarence J., to Kobe, Inc. Bottom hole housing for fluid operated pump. 2,910,945, 11-3-59, Cl. 103-46.
- Cobert, Arthur J., 50% to Beautiful Bryans, Inc. Yarn carrier mechanism for flat knitting machines. 2,912,840, 11-17-59, Cl. 66-127.
- Cobl, Walter H., to Pneumatic Pile Corp. Expandable mandrel for driving molds for concrete piles. 2,881,592, 4-14-59, Cl. 61-79.
- Cobl, Walter H., to Pneumatic Pile Corp. Expandable mandrel for driving molds for concrete piles. 2,881,593, 4-14-59, Cl. 61-79.
- Cobl, Walter H. Flexible fluid pressure containers. 2,903,016, 9-8-59, Cl. 138-55.
- Cobl, Walter H. Mandrel for driving pile shells. 2,911,795, 11-10-59, Cl. 61-79.
- Cobl, Walter H. Composite piles and joiners therefor. 2,912,829, 11-17-59, Cl. 61-63.
- Cobille, Demetrio M. Combined boat and fishing net. 2,874,505, 2-24-59, Cl. 43-7.
- Cobine, James D., to General Electric Co. Gas composition for cooling and insulating purposes. 2,867,679, 1-6-59, Cl. 174-17.
- Coble, Gomer L., Jr., and M. A. Garcia. Vibration absorbing apparatus. 2,911,207, 11-3-59, Cl. 267-1.
- Coburn, Robert, to Flaxall Products Ltd. Apparatus for use in treating lengths of textile fabrics. 2,895,732, 7-21-59, Cl. 271-2.2.
- Coca-Cola Co., The: See—  
Crist, Buckley. 2,915,278.
- Lamb, Robert L. 2,913,087.
- Snyder, George S. 2,917,180.
- Cocanour, John B. Cube ice machine. 2,891,387, 6-23-59, Cl. 62-233.
- Cocca, Ubort: See—  
Marinace, John C., and Cocca. 2,885,562.

- Coccano, Domenico. Gas-o-pump. 2,918,562, 12-22-59, Cl. 219-50.
- Cochin, John D. Vehicle lift structure. 2,878,897, 3-24-59, Cl. 187-8.75.
- Cochran, Charles R. Pin curl clip. 2,884,934, 5-5-59, Cl. 132-46.
- Cochran, Clarence W., to United-Carr Fastener Corp. Fastening device. 2,881,493, 4-14-59, Cl. 24-73.
- Cochran, Clarence W., to United-Carr Fastener Corp. Fastening device. 2,889,601, 6-9-59, Cl. 24-73.
- Cochran, Clarence W., to United-Carr Fastener Corp. Fastening device. 2,900,687, 8-25-59, Cl. 24-73.
- Cochran Continental Container Corp.: See—  
Hennies, August F., Jr. 2,886,933.
- Cochran, Elvin P., Jr., and G. A. G. Fazekas. Bearing test apparatus. 2,872,805, 2-10-59, Cl. 73-10.
- Cochran, John L., Jr., N. B. Michel, and R. A. Robinson. Automatic degaussing control system. 2,891,502, 6-23-59, Cl. 114-240.
- Cochran, John M. Railway safety devices. 2,918,236, 12-22-59, Cl. 246-477.
- Cochran, Kenneth W.: See—  
Gresham, William C., and Cochran. 2,886,772.
- Cochran, Lee D., to Canal Industrial Corp. Externally adjustable electron microscope focusing aid. 2,897,366, 7-28-59, Cl. 250-49.5.
- Cochran Motors: See—  
Shaw, Hugh H., Sanderson, and Bradshaw. 2,876,607.
- Cochrane, Charles A.: See—  
Mariner, Peter F., and Cochrane. 2,867,801.
- Cochrane, John D., III, J. W. Ott, H. K. Staffin and J. Stuart, to Hercules Powder Co. Slurry feeding and measuring apparatus. 2,913,149, 11-17-59, Cl. 222-229.
- Cochrane, Peter W. F.: See—  
Lewis, Edmund P., Skelton, and Cochrane. 2,916,361.
- Cochrane, Richard H., to The Sydney-Thomas Corp. Supply rack holder for garment bags. 2,882,666, 4-21-59, Cl. 53-256.
- Cochrane, Thomas J., Jr.: See—  
Chalet, Louis, and Cochrane. 2,915,432.
- Cockburn, Stanley D., J. D. Leslie, B. D. Priestman, and L. B. Ragdale, to General Motors Corp. Rotary gear bolt door latch. 2,871,049, 1-27-59, Cl. 292-280.
- Cockburn, Stanley D., and R. M. Fox, to General Motors Corp. Vehicle door latch. 2,904,365, 9-15-59, Cl. 292-280.
- Cocker, John, III, to Cocker Machine and Foundry Co. Roll heating and cooling means. 2,887,786, 5-26-59, Cl. 34-87.
- Cocker, John, III, to Cocker Machine and Foundry Co. Yarn winding machines. 2,887,842, 5-26-59, Cl. 57-75.
- Cocker Machine & Foundry Co.: See—  
Cocker, John, III. 2,887,786.
- Cocker, John, III. 2,887,842.
- Sngs, Thomas F. 2,877,082.
- Cockett, Alfred H.: See—  
Dunderdale, John, and Cockett. 2,916,693.
- Cocklin, Forest L. Brake control means for motor driven vehicles. 2,877,795, 3-17-59, Cl. 137-593.
- Cocks, Thomas G., to National Aluminate Corp. Process and compositions for treating geological formations. 2,867,279, 1-6-59, Cl. 166-42.
- Cockshutt Farm Equipment, Ltd.: See—  
Kuester, Harlan D. 2,880,811.
- Codet, Howard G.: See—  
Bleich, Leon, Codet, and Hemminger. 2,909,582.
- Jahnig, Charles E., and Codet. 2,905,617.
- Codet, Howard G., C. E. Jahnig, and A. F. Kaulakis, to Esso Research and Engineering Co. Catalytic conversion of hydrocarbons. 2,902,432, 9-1-59, Cl. 208-113.
- Codlin, James B., to Tractomotive Corp. Tractor mounted shoulder maintainer. 2,873,542, 2-17-59, Cl. 37-155.
- Codlin, James B., to Tractomotive Corp. Tractor mounted tong loader. 2,886,194, 5-12-59, Cl. 214-147.
- Codlin, James B., to Allis-Chalmers Mfg. Co. Tractor controls. 2,904,146, 9-15-59, Cl. 192-4.
- Codlin, James B., to Allis-Chalmers Mfg. Co. Hydraulic clutch actuator unit. 2,904,149, 9-15-59, Cl. 192-85.
- Codman, F. L., & J. C. Co.: See—  
Hall, Elisha W., and Paone. 2,907,147.
- Hall, Elisha W., 2nd, and Paone. 2,907,145.
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- Rock, Albin S. 2,882,139.
- Rock, Albin S. 2,885,834.
- Rock, Albin S. 2,886,924.
- Cody, Clifford S., to Westinghouse Electric Corp. Fuel supply apparatus for internal combustion engine. 2,877,839, 3-17-59, Cl. 158-36.4.
- Coe, Frank B. Game carrier. 2,893,748, 7-7-59, Cl. 280-47.3.
- Coe Mfg. Co., The: See—  
Parker, Clarence E. Rq. 24,638.
- Coe, Merrill J., to Sutherland Paper Co. Carton. 2,898,028, 8-4-59, Cl. 229-36.
- Coe, Robert B., to The Trane Co. Thermally controlled roof ventilator damper. 2,912,920, 11-17-59, Cl. 98-110.
- Coe, Thompson J., to United States of America, Agriculture. Shrinkproofing textiles with volatile polyamines and epoxides. 2,869,971, 1-20-59, Cl. 8-116.2.
- Coe, Thompson J., to United States of America, Agriculture. Shrinkproofing textiles with polyepoxides and ammonia. 2,886,402, 5-12-59, Cl. 8-128.
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- Coelho, George. Crab trap. 2,871,613, 2-3-59, Cl. 43-92.
- Coelho, George. Casting device. 2,873,547, 2-17-59, Cl. 43-19.
- Coenen, Ludwig M., and O. Wahl, to Agfa Aktiengesellschaft. Process of producing antihalation and filter layers. 2,904,433, 9-15-59, Cl. 96-84.
- Coers, Loring, Jr., to Norton Co. Centerless grinder. 2,867,060, 1-6-59, Cl. 51-129.
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- Coers, Loring, Jr., to Norton Co. Centerless grinding machine. 2,889,666, 6-9-59, Cl. 51-129.
- Coeterier, Frederik, to North American Phillips Co., Inc. Linkage mechanism. 2,901,656, 8-25-59, Cl. 313-148.
- Cofer, Kenneth B., to Shell Development Co. Production of glycerine. 2,873,298, 2-10-59, Cl. 260-636.
- Coffee, Charles W. Magnetic fishing tool. 2,918,323, 12-22-59, Cl. 294-65.5.
- Coffee, Ralph E., to Olin Mathieson Chemical Corp. Propellant powder. 2,916,996, 12-15-59, Cl. 102-98.
- Coffee-Mat Corp.: See—  
Small, Solie W., and Herman. 2,901,002.
- Coffeen, Davis L. Supporting device. 2,908,461, 10-13-59, Cl. 248-44.
- Coffeen, William W., to Metal & Thermit Corp. Ceramic bodies. 2,868,658, 1-13-59, Cl. 106-65.
- Coffey, Charles R., to United Engine & Machine Co. Piston with top protected. 2,880,044, 3-31-59, Cl. 309-14.
- Coffey, David H., P. C. Johnson, and H. G. White, to Imperial Chemical Industries Ltd. Rubbery composition comprising a crystalline polyester and a liquid polyester reacted with a diocyanate. 2,880,192, 3-31-59, Cl. 260-45.4.
- Coffey, David H., and D. J. Guest, to Imperial Chemical Industries Ltd. Methyl methacrylate polymer composition containing a liquid mixed polyester plasticizer. 2,898,318, 8-4-59, Cl. 260-31.6.
- Coffey, Robert G. Flashlights. 2,879,381, 3-24-59, Cl. 240-10.65.
- Coffey, Thomas: See—  
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- Coffey, William D. Multiple door latching system. 2,887,735, 5-26-59, Cl. 20-16.
- Coffield, Thomas H.: See—  
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- Coffield, Thomas H., to Ethyl Corp. Metallic derivatives of hindered phenols. 2,903,487, 9-8-59, Cl. 260-624.
- Coffield, Thomas H., to Ethyl Corp. Phenolic substituted propionitrile. 2,903,346, 9-8-59, Cl. 44-75.
- Coffield, Thomas H., and M. E. Grifing, to Ethyl Corp. Selective nitration process. 2,868,844, 1-13-59, Cl. 260-622.
- Coffield, Thomas H., and N. Hebert, to Ethyl Corp. Nitrogen containing organo manganese compounds. 2,902,489, 9-1-59, Cl. 260-270.
- Coffin, Harry B. Mailing piece including return envelope forming portion. 2,872,100, 2-3-59, Cl. 229-92.1.
- Coffin, Stewart T., to Research Corp. Voltage monitor circuit. 2,902,600, 9-1-59, Cl. 250-27.
- Coffinberry, Arthur S.: See—  
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- Coffinberry, Arthur S., to United States of America, Atomic Energy Commission. Plutonium-cerium alloy. 2,867,530, 1-6-59, Cl. 75-122.7.
- Coffinberry, Arthur S., to United States of America, Atomic Energy Commission. Plutonium-cerium-copper alloys. 2,886,504, 5-12-59, Cl. 204-193.2.
- Coffinberry, Arthur S., to United States of America, Atomic Energy Commission. Plutonium-uranium-titanium alloys. 2,897,077, 7-28-59, Cl. 75-122.7.
- Coffinberry, Arthur S., to United States of America, Atomic Energy Commission. Plutonium-cerium-cobalt and plutonium-cerium-nickel alloys. 2,901,345, 8-25-59, Cl. 75-122.7.
- Coffman, Alden W., and R. B. Cullen, to H. H. Robertson Co. Wall panel. 2,876,871, 3-10-59, Cl. 189-34.
- Coffman, Alden W., and R. B. Cullen, to H. H. Robertson Co. Wall panel. 2,918,993, 12-29-59, Cl. 189-34.
- Coffman, Myron T. Loader-bar, control tube and coal loading machine. 2,897,946, 8-4-59, Cl. 198-10.
- Coffman, Paul A., Jr., and L. E. Harper, to B-I-F Industries, Inc. Scale beam sensitivity control. 2,886,302, 5-12-59, Cl. 265-49.
- Coffman, Paul A., Jr., and L. E. Harper, to B-I-F Industries. Gravimetric screw type feeders and weighers. 2,900,110, 8-18-59, Cl. 222-55.
- Coffman, Robert S., to Black, Sivalls & Bryson, Inc. Safety pressure relief device. 2,868,412, 1-13-59, Cl. 220-89.
- Coffman, Robert S., to Black, Sivalls & Bryson, Inc. Safety device equipped with a rupture unit. 2,875,921, 3-3-59, Cl. 220-89.
- Coffman, Robert S., to Black, Sivalls & Bryson, Inc. Safety pressure relief device support. 2,889,070, 6-2-59, Cl. 220-89.
- Coffman, Robert S., to Black, Sivalls & Bryson, Inc. Safety pressure relief device. 2,889,071, 6-2-59, Cl. 220-89.
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- Coffield, Thomas R., to The Aluminum Fences, Inc. Collapsible fence arrangement. 2,919,112, 12-29-59, Cl. 256-22.



Coffield, Thomas R., to The Aluminum Fences, Inc. Fence post with expansion joint. 2,919,113, 12-29-59, Cl. 256-65.

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Viehl, Otto A., and Muller. 2,874,408.

Cogger, Howard, to Acme Ball Bearing & Mfg. Co. Bearing assembly. 2,916,335, 12-8-59, Cl. 308-187.1.

Coggeshall, Edward O. Rotary dental brush. 2,888,697, 6-2-59, Cl. 15-179.

Coggeshall, Norman D., to Gulf Research & Development Co. Multiple-column chromatographic apparatus. 2,868,011, 1-13-59, Cl. 73-23.

Coggeshall, Norman D., to Gulf Research & Development Co. Continuous separation process. 2,893,955, 7-7-59, Cl. 208-310.

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Coggins, Robert W., to National Tank Co. Methods and means for the low temperature separation of high pressure well streams. 2,869,675, 1-20-59, Cl. 183-2.7.

Coghill, Henry D., to General Electric Co. Method of rendering titanium dioxide films electrically conductive. 2,879,184, 3-24-59, Cl. 117-221.

Coghill, Henry D., and L. R. Koller, to General Electric Co. Method of preparing transparent luminescent screens. 2,867,541, 1-6-59, Cl. 117-33.5.

Cogliati, Marco. Constant delivery self-controlling device. 2,882,928, 4-21-59, Cl. 137-578.

Cogliatti, Norman: See—  
Hoban, Fairfield W. 2,875,877.

Cogniat, Marcel, M. de Fromont, and G. Serratrice, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Flowmeter. 2,896,452, 7-28-59, Cl. 73-204.

Cogsdill, Stuart A., to Cogsdill Tool Products, Inc. Deburring tool. 2,895,356, 7-21-59, Cl. 77-73.5.

Cogsdill, Stuart A., to Cogsdill Tool Products, Inc. Micro-limit countersink drive with override. 2,905,030, 9-22-59, Cl. 77-73.5.

Cogsdill Tool Products, Inc.: See—  
Cogsdill, Stuart A. 2,895,356.  
Cogsdill, Stuart A. 2,905,030.

Cohen, Aaron, and J. M. Osbond, to Hoffmann-La Roche Inc. Preparation of di-emetine and stereoisomers, and intermediates therefor. 2,877,227, 3-10-59, Cl. 260-288.

Cohen, Aaron, and P. G. Philpott, to Hoffmann-La Roche Inc. Octahydro-indolo-quinolizine derivatives. 2,908,686, 10-13-59, Cl. 260-294.3.

Cohen, Albert E.: See—  
Gordon, Philip L., and Cohen. 2,914,495.

Cohen, Alfred G.: See—  
Small, Samuel N. 2,906,278.

Cohen, Arnold A.: See—  
Burrell, Warren P., Cohen, and Hardenbergh. 2,901,168.

Cohen, Arthur M. Electromagnetic unit. 2,875,383, 2-24-59, Cl. 317-198.

Cohen, Arthur M. Combined voltage and current regulating system. 2,882,422, 4-14-59, Cl. 307-57.

Cohen, Arthur M. High performance speed and voltage control system for inverters and the like. 2,882,481, 4-14-59, Cl. 322-32.

Cohen, Benjamin, Toy. 2,912,791, 11-17-59, Cl. 46-88.

Cohen, Charles A., to Esso Research and Engineering Co. Process for the preparation of complex synthetic esters. 2,881,203, 4-7-59, Cl. 260-468.

Cohen, Charles A., and L. A. Mikeska, to Esso Research and Engineering Co. Alkyd resins from dicyclopentadiene dicarboxylic acids and polyhydric alcohols. 2,881,144, 4-7-59, Cl. 260-22.

Cohen, Charles L., to ACF Industries, Inc. Drive mechanism. 2,912,883, 11-17-59, Cl. 74-665.

Cohen, Elie, and S. Roth. Magnetite variable-speed device. 2,906,900, 9-29-59, Cl. 310-101.

Cohen, Eric S. Apparatus for the cleaning and drying of roller-type paint applicators. 2,900,993, 8-25-59, Cl. 134-135.

Cohen, Fred: See—  
Allen, Richard W., and Cohen. 2,900,610.  
Ayres, Jay J., Cohen, and Brauer. 2,914,739.

Cohen, Harry: See—  
Christensen, Paul M., and Cohen. 2,916,904.

Cohen, Harry and J., to Aristocrat Leather Products, Inc. Combination billfold and purse. 2,876,819, 3-10-59, Cl. 150-35.

Cohen, Irwin A., to General Telephone Laboratories, Inc. Electroluminescent telephone dial. 2,908,806, 10-13-59, Cl. 240-217.

Cohen, Joseph H., to General Foods Corp. Food product. 2,915,402, 12-1-59, Cl. 99-130.

Cohen, Julian: See—  
Cohen, Harry and J. 2,876,819.

Cohen, Leon. Supports for ash trays, cups and the like. 2,919,096, 12-29-59, Cl. 248-224.

Cohen, Maurice. Garment display rack. 2,895,621, 7-21-59, Cl. 211-165.

Cohen, Maurice M. Motor driven eraser. 2,917,023, 12-15-59, Cl. 120-36.

Cohen, Maurice, and J. Karson. Vehicle protective cover. 2,874,709, 2-24-59, Cl. 135-5.

Cohen, Meyer, to A. Nathan. Stackable drinking vessels and stack thereof. 2,885,134, 5-5-59, Cl. 229-1.5.

Cohen, Milton J., to Miljam Instrument Corp. Hypodermic syringe. 2,907,328, 10-6-59, Cl. 128-218.

Cohen, Milton J. Hypodermic syringe. 2,907,329, 10-6-59, Cl. 128-218.

Cohen, Morris U., to Endsdown Co., Inc. Apparatus for inserting anticurl strips into garments. 2,875,928, 3-3-59, Cl. 223-2.

Cohen, Murray S., and C. E. Pearl, to Thiokol Chemical Corp. Method for the preparation of monobromopentaborane-9. 2,894,803, 7-14-59, Cl. 23-14.

Cohen, Oscar P.: See—  
Bonzagni, Francis A., Cohen, and Markhart. 2,917,427.

Cohen, Robert M., and R. E. Rist, to Radio Corp. of America. Semiconductor devices. 2,903,630, 9-8-59, Cl. 317-235.

Cohen, Samuel G., to General Precision Laboratory Inc. Digital to analog converter and plotter. 2,889,189, 6-2-59, Cl. 346-35.

Cohen, Samuel G., to General Precision Laboratory Inc. Data correlator. 2,895,783, 7-21-59, Cl. 346-23.

Cohen, Saul M., to Clinton Industries, Inc. Automatic thread cutter and needle positioner. 2,914,010, 11-24-59, Cl. 112-252.

Cohen, Sylvan I., and M. S. Frant, to Gallowbur Chemical Corp. Method of rendering textile materials fungicidal and the products thereby produced. 2,899,340, 8-11-59, Cl. 117-138.5.

Cohen, Sylvan I., M. S. Frant, and F. J. Sowa; said Cohen and said Frant assors. to Gallowbur Chemical Corp. Organic mercury solutions and method of preparing the same. 2,901,392, 8-25-59, Cl. 167-30.

Cohen, Theodore A. Device for crushing cans. 2,904,097, 9-15-59, Cl. 153-10.5.

Cohen, Tobias. Automatic transporting-guiding device for sewing machines. 2,870,725, 1-27-59, Cl. 112-211.

Cohen, Werner V., to E. I. du Pont de Nemours and Co. Process for preparing dibenzanthrone vat dyes. 2,888,463, 5-26-59, Cl. 260-340.3.

Cohler, Marilyn R., and M. S. Simon, to Polaroid Corp. Photographic products and processes. 2,892,710, 6-30-59, Cl. 96-29.

Cohn, Bernard, to Polychrome Corp. Planographic printing plate. 2,882,153, 4-14-59, Cl. 96-75.

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Cohn, Charles C., to S. L. and C. C. Cohn, d.b.a. Colonial Alloys Co. Apparatus for electrolytic treatment of slide fasteners. 2,911,346, 11-3-59, Cl. 204-206.

Cohn, David, to T. Cohn, Inc. Ball-operated counting device. 2,870,279, 1-20-59, Cl. 200-61.11.

Cohn, David, to Model Plastic Corp. Dolls' heads provided with sleeping eyes. 2,896,373, 7-28-59, Cl. 46-169.

Cohn, David A., to David Bogen Co., Division of The Siegler Corp. Centralized communication system. 2,888,518, 5-26-59, Cl. 179-2.

Cohn, Eugene: See—  
Cohn, Joseph and E. 2,880,114.

Cohn, Irwin. Ball throwing apparatus. 2,869,533, 1-20-59, Cl. 124-26.

Cohn, Irwin E., and H. Healey, to Great American Plastics Co. Calculating device for teaching arithmetic. 2,910,786, 11-3-59, Cl. 35-9.

Cohn, James, to Sigmund Cohn Corp. Fuse member and method of making the same. 2,911,504, 11-3-59, Cl. 200-135.

Cohn, Joseph and E., to Samco Holding Corp. Method of resin treating tubular knitted fabric. 2,880,114, 3-31-59, Cl. 117-47.

Cohn, Jona: See—  
Richardson, Roy A., and Cohn. 2,901,601.

Cohn, Nathan, and R. Emeritz, 50% to Camera Services, Inc., and 50% to Rite Way Sales and Mfg. Co. Inc. Stereoscopic viewer. 2,897,721, 8-4-59, Cl. 88-31.

Cohn, Samuel L.: See—  
Cohn, Charles C. 2,911,346.

Cohn, Seymour B., to Sperry Rand Corp. Travelling wave tubes. 2,891,190, 6-16-59, Cl. 315-3.5.

Cohn, Seymour B., to Sperry Rand Corp. Microwave hybrid junction. 2,918,632, 12-22-59, Cl. 333-11.

Cohn, Sigmund, Corp.: See—  
Cohn, James. 2,911,504.

Cohn, T., Inc.: See—  
Cohn, David. 2,870,279.

Colt, Robert A.: See—  
Talley, Samuel K., Colt, and Koot. 2,915,466.

Coke, Allen B. Autographic registers. 2,896,970, 7-28-59, Cl. 282-16.

Coker, Frank B., and O. W. Schoenberg, to United Geophysical Corp. Recording system. 2,902,636, 9-1-59, Cl. 324-8.

Coker, James N., M. Fields, and A. O. Rogers, to E. I. du Pont de Nemours and Co. Process for production of hydantoins. 2,889,332, 6-2-59, Cl. 260-309.5.

Coker, James N., M. Fields, and A. O. Rogers, to E. I. du Pont de Nemours and Co. Production of hydantoins. 2,889,333, 6-2-59, Cl. 260-309.5.

Coker, James N., M. Fields, and A. O. Rogers, to E. I. du Pont de Nemours and Co. Synthesis of indolymethyl-hydantoin. 2,893,997, 7-7-59, Cl. 260-309.5.

Coker, Morton M., to Caterpillar Tractor Co. Flow control valve for hydraulic jack system. 2,910,970, 11-3-59, Cl. 121-46.5.

Cole, Rudolph A.: See—  
Bader, Clifford J., and Cole. 2,876,388.

Cole, Rudolph A., to Burroughs Corp. Beam tube multiplexing system. 2,919,347, 12-29-59, Cl. 250-27.

Colalaco, August P.: See—  
Boyer, John L., Colalaco, and McWilliams. 2,917,686.

Boyer, John L., McWilliams, and Colalaco. 2,889,498.

Colajace, Victor V., to Eastman Kodak Co. Universal focusing scale. 2,878,734, 3-24-59, Cl. 95-44.

Colatiano, Antonio, to Saville Enterprises, Inc. Safety device. 2,888,668, 5-26-59, Cl. 340-279.

Colautti, Albert J., to General Motors Corp. Vehicle door latch. 2,888,293, 5-26-59, Cl. 292-280.

Colautti, Albert J., to General Motors Corp. Circuit controller. 2,909,624, 10-20-59, Cl. 200-6.

Colbeck, Eric W.: See—  
Middleham, Thomas H., and Colbeck. 2,916,375.

Colbeck, Eric W., to United States of America, Atomic Energy Commission. Sheathing uranium. 2,871,558, 2-3-59, Cl. 29-528.

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Colborne, Wm. Co.: See—  
Cale, Stanley A. 2,898,873.

Colborne, William G., and A. Braun, to Queen's University. Synchronizing mechanism for free piston engines. 2,914,955, 12-1-59, Cl. 74-110.

Colburn, Beal E., to Homeward Products Inc. Detachable electric motor shaft shield. 2,875,642, 3-3-59, Cl. 74-609.

Colburn, Norman E., Jr., to Byrne Doors, Inc. Roof hatch. 2,896,558, 7-28-59, Cl. 108-16.

Colburn, Richard R. Combined tractor and power mower. 2,869,304, 1-20-59, Cl. 56-25.4.

Colburn, Robert T.: See—  
Seizer, Clarence F., Colburn, and Ebert. 2,904,160.

Colby, Gerald W.: See—  
Bowers, Roy L., and Colby. 2,874,206.

Colby, Phyllis L. Diaper pants. 2,897,819, 8-4-59, Cl. 128-284.

Colby, Richard H., to United States of America, Army. Cartridge positioner. 2,870,561, 1-27-59, Cl. 42-18.

Colby, Richard H., to United States of America, Army. Cam actuated round deflector. 2,889,750, 6-9-59, Cl. 89-33.

Colby, Richard H., to United States of America, Army. Cartridge feeding mechanism. 2,899,865, 8-18-59, Cl. 89-33.

Colby, Robert A., and H. M. Passman, to Collins Radio Corp. Information storage drum. 2,897,299, 7-28-59, Cl. 200-6.

Colby, Roy L., Jr., to National Steel Corp. Composite structure. 2,904,142, 9-15-59, Cl. 189-36.

Colchester Lathe Co. Ltd. The: See—  
Firth, Arthur J. 2,885,901.

Colcrete Ltd.: See—  
Davies, Leonard T. 2,879,920.

Coldren, Chester P., to Eaton Mfg. Co. Clamp. 2,874,430, 2-24-59, Cl. 24-27.

Coldren, Clarke L., and D. R. Hawkinson, to Shell Development Co. Method for filling closed containers with volatile liquids. 2,912,830, Cl. 62-50.

Cole, Benjamin R., and R. W. Cleary, to Raytheon Mfg. Co. Amplitude limiting circuits. 2,886,704, 5-12-59, Cl. 250-27.

Cole, Benjamin R., and E. J. Sheldon, Jr., to United States of America, Navy. Automatic calibration circuit. 2,919,401, 12-29-59, Cl. 324-74.

Cole, Bernard. Poultry nest bottom. 2,904,003, 9-15-59, Cl. 119-45.

Cole, Burrell C., and E. P. Waite, to Small Business Administration. Top roll supporting means. 2,914,811, 12-1-59, Cl. 19-134.

Cole, Carrel D., 50% to C. E. Creasy, and 50% to E. E. Creasy. Adjustable closing device for a burial casket. 2,874,987, 2-24-59, Cl. 292-247.

Cole, Charles C.: See—  
Brown, Martin J., and Cole. 2,885,661.

Cole, Charles E., to Bendix Aviation Corp. Three-way solenoid valve. 2,875,784, 3-3-59, Cl. 137-625.5.

Cole, Charles T., Jr.: See—  
Ayres, Jay J., and Cole. 2,905,069.

Cole, Clayton K., to Atlas Press Co. Lawnmower handle construction. 2,868,034, 1-13-59, Cl. 74-487.

Cole, David F. Electric broiler. 2,913,976, 11-24-59, Cl. 99-327.

Cole, David V.: See—  
Fischer, Edwin L., and White. 2,908,916.

Cole, Derrill J. Machine tool vise. 2,889,757, 6-9-59, Cl. 90-60.

Cole, Donald W., to General Dynamics Corp. Method for manufacturing composite sandwich panels. 2,909,644, 10-20-59, Cl. 219-117.

Cole, E. K., Ltd.: See—  
Copplin, Kenneth J. 2,884,577.

Davis, Robert G. 2,913,614.

Robinson, Arthur G. H. 2,884,630.

Cole, Edward L., to Texaco Inc. Mild hydrogenation process for lubricating oils. 2,904,505, 9-15-59, Cl. 201-264.

Cole, Edward L., W. E. Skelton, and R. K. Meyers, to The Texas Co. Method for producing a lubricating oil. 2,879,223, 3-24-59, Cl. 208-97.

Cole, Edward N.: See—  
Arnold, Charles F., and Cole. 2,870,862.

Cole, Everett L. Container for collecting, storing and dispensing biological fluids. 2,895,475, 7-21-59, Cl. 128-272.

Cole, Frank E., to United Shoe Machinery Corp. Automatic jack supporting and actuating mechanism. 2,870,466, 1-27-59, Cl. 12-17.2.

Cole, Frank E., to United Shoe Machinery Corp. Shoe machines. 2,906,216, 9-29-59, Cl. 112-35.

Cole, Gerald E., to Kleen-Stick Products, Inc. Label dispenser. 2,912,140, 11-10-59, Cl. 221-70.

Cole, Herbert: See—  
Britcher, Charles W. 2,869,482.

Cole, Herbert W.: See—  
Wing, Arthur K., Jr., and Cole. 2,899,593.

Cole, Howard W., Jr. Mercury slip ring for electrical apparatus. 2,890,304, 6-9-59, Cl. 200-80.

Cole, Howard W., Jr. High pressure hose. 2,898,940, 8-11-59, Cl. 138-50.

Cole, Howard W., Jr., and D. L. Olson. Two-way automatic locking actuators. 2,870,887, 1-27-59, Cl. 192-8.

Cole, James D., F. Duckwitz, and A. L. Sebok, to American Machine and Metals, Inc. Vacuum cleaner motor-fan unit. 2,888,192, 5-26-59, Cl. 230-117.

Cole, John M., and F. B. Henry, to J. I. Case Co. Adjustable fenders and step plates for tractor. 2,918,307, 12-22-59, Cl. 280-152.

Cole, John N.: See—  
Von Glerke, Henning E., and Cole. 2,912,958.

Cole, John W.: See—  
Julian, Percy L., Cole, and Diemer. 2,876,237.

Julian, Percy L., Cole, Meyer, and Karpel. 2,887,478.

Cole, Joseph W., and J. E. Guthrie. Roll shaft. 2,876,961, 3-10-59, Cl. 242-72.

Cole, Judson C., and J. R. Hall, to Bendix Aviation Corp. Shielded electric connector. 2,876,274, 3-3-59, Cl. 174-77.

Cole, Leland G.: See—  
Hall, Lawrence G., and Cole. 2,891,630.

Cole, Lyndon C., to The Osborn Mfg. Co. Power brushing machine. 2,909,015, 10-20-59, Cl. 51-215.

Cole Mfg. Co.: See—  
Ennis, James W. 2,917,089.

Stillwell, Donald B. 2,902,954.

Cole, Paul M., to E. I. du Pont de Nemours and Co. Treating apparatus and process. 2,869,976, 1-20-59, Cl. 8-151.

Cole, Paul M., to E. I. du Pont de Nemours and Co. Pile fabric. 2,903,708, 9-15-59, Cl. 2-278.

Cole, Quinton P., to General Electric Co. Process of preparing a cured blend of form-stable, cross-linked polyethylene and polybutadiene and compositions thereof. 2,912,410, 11-10-59, Cl. 260-45.5.

Cole, Raben H.: See—  
Matthews, Clell R., and Cole. 2,869,896.

Cole, Rex, Inc.: See—  
Cole, Rex, and Harshbarger. 2,902,592.

Cole, Rex, and W. J. Harshbarger; said Harshbarger assignor to Rex Cole, Inc. Portable lamp. 2,902,592, 9-1-59, Cl. 240-81.

Cole, Richard F.: See—  
Sisson, Edmond F., Cole, and Krumbeln. 2,894,880.

Cole, Robert D., to The Glidden Co. Hydrogenated lecithin and process for preparing same. 2,907,777, 10-6-59, Cl. 260-403.

Cole, Robert M., to Shell Development Co. Safety vessel. 2,881,057, 4-7-59, Cl. 23-283.

Cole, Samuel F. Hair curlers. 2,870,772, 1-27-59, Cl. 132-41.

Cole, Thomas M., to Federal Pacific Electric Co. Circuit breakers with thermal and magnetic tripping. 2,897,314, 7-28-59, Cl. 200-88.

Cole, Thomas M., to Federal Pacific Electric Co. Front operated enclosed switching apparatus. 2,907,840, 10-6-59, Cl. 200-50.

Cole, William C., to General Motors Corp. Spark plug and method for making same. 2,902,617, 9-1-59, Cl. 313-144.

Collee, Donald D., to Preco Inc. Gyroscopic control mechanism for grading apparatus. 2,904,911, 9-22-59, Cl. 37-156.

Coleman, Beatrice, R. Pioli, and E. Silvani, to Malden Form Brassiere Co., Inc. Brassieres. 2,888,930, 6-2-59, Cl. 128-429.

Coleman, Bestor P.: See—  
Wilson, Allen B., and Coleman. 2,880,589.

Coleman, Cephas C. Holder for glass cutter. 2,892,291, 6-30-59, Cl. 49-52.

Coleman, Clarence L.: See—  
Jackson, John M., Zurbuchen, Flint, Coleman, and Werner. 2,911,141.

Coleman Co., Inc. The: See—  
Campbell, Shirley P. 2,910,224.

Herrick, Wallace, and Winters. 2,889,089.

Kice, Jack W. 2,887,733.

Kice, Jack W., and Mattingly. 2,875,593.

Lyon, Luther L., Jr., and Qualley. 2,917,778.

Newton, Alvin B. 2,874,345.

Watkins, Norman B. 2,900,714.

Coleman, Denis, to Imperial Chemical Industries Ltd. Polyamides. 2,880,197, 3-31-59, Cl. 260-78.

Coleman, Edward, to J. A. Crabtree & Co. Ltd. Electric circuit breakers. 2,911,496, 11-3-59, Cl. 200-94.



- Coleman, Edwin D. Method and apparatus for determining rate of evolution of a gas. 2,916,033, 12-8-59, Cl. 128-2.07.
- Coleman, Elmer W., Jr., and D. M. Alstadt, to Lord Mfg. Co. Bonding rubber to metal. 2,900,292, 8-18-59, Cl. 154-130.
- Coleman, Elmer W., Jr., and D. M. Alstadt, to Lord Mfg. Co. Method of bonding polyurethanes to rubber. 2,905,582, 9-22-59, Cl. 154-139.
- Coleman, Eugene F., to Mergenthaler Linotype Co. Photo-composing machine. 2,900,884, 8-25-59, Cl. 95-4.5.
- Coleman, Eugene W., and L. H. Krohn, to United States of America, Army. Portable thulium X-ray unit with separable universal mounting means. 2,891,167, 6-16-59, Cl. 250-105.
- Coleman, Gordon A., to Allied Chemical Corp. Manufacture of fertilizers. 2,879,152, 3-24-59, Cl. 71-37.
- Coleman, Ivan V., and J. W. Taugner, to General Telephone Laboratories, Inc. Automatic toll ticketing telephone system. 2,897,273, 7-28-59, Cl. 179-7.1.
- Coleman, James E. Battery cable connector. 2,878,460, 3-17-59, Cl. 339-239.
- Coleman, Joseph J., to Servel, Inc. Daytime off solar cell flasher circuit. 2,901,669, 8-25-59, Cl. 315-158.
- Coleman, Leslie, to Ken Nolan, Inc. Uniform nameplate. 2,902,782, 9-8-59, Cl. 40-1.5.
- Coleman, Marvin W. Wall jack. 2,907,477, 10-6-59, Cl. 214-1.
- Coleman, Ralph G., to United States Steel Corp. Tool holder attachment for pipe processing machines. 2,889,721, 6-9-59, Cl. 77-3.
- Coleman, Richard L.: See—  
Kulhavy, George W., and Coleman. 2,869,356.
- Coleman, Robert B., Jr.: See—  
Rikard, Mack A., Bartlett, and Coleman. 2,894,820.
- Coleman, Robert H., and E. R. Toth, Jr., to National Distillers and Chemical Corp. Filter apparatus. 2,913,118, 11-17-59, Cl. 210-315.
- Coleman, Sidney B., to American Telephone and Telegraph Co. Wave translating system. 2,891,117, 6-16-59, Cl. 179-171.
- Coleman, William L.: See—  
Manning, Joseph P., and Coleman. 2,887,132.
- Coler, Myron A. Thermoplastic resin particles coated with conductive gel composition and method of making same. 2,879,234, 3-24-59, Cl. 260-4.
- Coler, Myron A. Method of making destatized synthetic resin. 2,879,244, 3-24-59, Cl. 260-32.6.
- Coler, Myron A., and A. S. Louis. Non-electrostatic molding compositions containing hydroxyalkylated alkylene diamines. 2,891,027, 6-16-59, Cl. 260-32.6.
- Coler, Myron A., and A. S. Louis. Polymers of vinylidene monomers, destatized with N,N,N',N' tetrakis (2-hydroxypropyl) ethylene diamine. 2,891,028, 6-16-59, Cl. 260-32.6.
- Coler, Myron A., and A. S. Louis. Polymers of vinylidene monomers destatized with partially hydroxyalkylated alkylene diamines. 2,891,029, 6-16-59, Cl. 260-32.6.
- Coler, Myron A., and A. S. Louis. Non-electrostatic resin molding composition containing hydroxyalkylated polyethylene polyamine. 2,891,030, 6-16-59, Cl. 260-32.6.
- Coler, Myron A., and A. S. Louis. Polymers of vinylidene monomers, destatized with dihydroxyethyl ethylene diamine. 2,891,031, 6-16-59, Cl. 260-32.6.
- Coler, Myron A., and A. S. Louis. Polymers of vinylidene monomers destatized with monohydroxyethyl trihydroxypropyl ethylene diamine. 2,891,032, 6-16-59, Cl. 260-32.6.
- Coleram Metal Products Co.: See—  
Robinson, Harry F. 2,912,119.
- Coles, Derek H. Printing plates for use in offset printing. 2,910,358, 10-27-59, Cl. 96-33.
- Coles, James S., and R. M. Brown, to United States of America, Navy. Optical device for integrating functions. 2,879,937, 3-31-59, Cl. 235-61.6.
- Coles, Joseph F.: See—  
Hazard, Charles S., and Coles. 2,904,251.
- Coles, Ralph V., F. L. Maltby, and J. W. Philippi, to Robertshaw-Fulton Controls Co. Capacity level control with adjustable span control. 2,871,874, 2-3-59, Cl. 137-392.
- Coles, Robert F.: See—  
Schmidt, Willy A., and Coles. 2,886,436.
- Coles, Robert F., and V. Tulagin, to General Aniline & Film Corp. Azine cyan color formers. 2,911,120, 1-27-59, Cl. 96-85.
- Colestock, Harry E.: See—  
Shipman, Roy W., and Colestock. 2,874,334.
- Colette, Michael, to W. G. Mason and A. L. May. Electric switch. 2,868,918, 1-13-59, Cl. 200-84.
- Coley, Henry E.: See—  
Grey, Hugh M., Jr., and Coley. 2,905,942.
- Coley, John R., and L. Heard, to Standard Oil Co. Preparation of platinum catalysts. 2,911,375, 11-3-59, Cl. 252-466.
- Coley, John R., and R. J. Hengstebeck, to Standard Oil Co. Platinum catalyst regeneration and rejuvenation system. 2,892,770, 6-30-59, Cl. 208-140.
- Coley, Nelson B., to General Railway Signal Co. Switch control check for railway signaling code communication systems. 2,903,573, 9-8-59, Cl. 246-3.
- Coley, Nelson B., to General Railway Signal Co. Code communication system. 2,907,981, 10-6-59, Cl. 340-163.
- Coley, Nelson B., to General Railway Signal Co. Automatic switching system for classification yards. 2,915,622, 12-1-59, Cl. 246-134.
- Coley, Nelson B., T. J. Judge, and R. F. Albrighton, to General Railway Signal Co. Code communication system. 2,868,962, 1-13-59, Cl. 246-5.
- Colgan, William G. Oil catcher and discharger for a vehicle. 2,899,019, 8-11-59, Cl. 184-106.
- Colgate-Palmolive Co.: See—  
Allen, John M., and Scott. 2,879,231.
- Baldinus, Joseph G. 2,910,491.
- Cahill, Joseph J., Jr. 2,913,501.
- Carpenter, Clifford L., and Silvia. 2,879,839.
- Crook, Lester O., and Kincaid. 2,916,792.
- Dalton, Philip B. 2,875,153.
- Dalton, Philip B. 2,892,795.
- Ernst, Morton R. 2,881,193.
- Fine, Norman. 2,908,650.
- Fischer, Charles F. 2,911,611.
- Golub, Lillian L., and Sylvester. 2,912,385.
- Gray, Frederick W. 2,868,812.
- Grifo, Richard A. 2,908,651.
- Henkin, Hyman. 2,871,193.
- Jungermann, Eric. 2,909,535.
- Kronenthal, Richard L. 2,867,569.
- Manahan, Roderick D. 2,876,167.
- Miles, Gilbert D. 2,875,155.
- O'Sullivan, Patrick J. 2,900,655.
- Pickin, John H. 2,869,837.
- Schaafsma, Bernard R., and Ratsep. 2,874,123.
- Schmolka, Irving R. 2,894,009.
- Schurman, Jack V. 2,877,246.
- Slater, Joseph N. 2,900,306.
- Thomas, Ralph H. 2,867,356.
- Thomas, Ralph H. 2,889,078.
- Vitale, Peter T. 2,867,585.
- Weber, Francis J. C. 2,898,264.
- Wel, Ling. 2,900,307.
- Colgate, Stirling A. Electrical generator and driving engine unitary therewith. 2,904,701, 9-15-59, Cl. 290-1.
- Colgate, William H., Jr., to The Gillette Co. Puffer-proof merchandise display cards. 2,913,106, 11-17-59, Cl. 206-79.
- Collichman, Eugene L., to United States of America, Atomic Energy Commission. Inhibiting the polymerization of nuclear coolants. 2,909,486, 10-20-59, Cl. 252-74.
- Collichman, Eugene L., to United States of America, Atomic Energy Commission. Nuclear reactor coolant. 2,909,487, 10-20-59, Cl. 252-74.
- Collichman, Eugene L., to United States of America, Atomic Energy Commission. Nuclear reactor coolant. 2,909,488, 10-20-59, Cl. 252-74.
- Colin Byford Ltd.: See—  
Clement, David M. 2,911,983.
- Colin, Jules, to Societe Anonyme des Chaux et Ciments de La Farge et du Teil. Pressure screening. 2,880,870, 4-7-59, Cl. 209-269.
- Collin, Louis. Traction increasing device for vehicle wheels. 2,899,241, 8-11-59, Cl. 301-47.
- Collistra, Walter P., to Sperry Rand Corp. Quick setting means for gyro magnetic compass. 2,898,690, 8-11-59, Cl. 33-222.
- Colker, James, and M. J. Draganjac, to Westinghouse Air Brake Co. Phase and amplitude measuring systems. 2,911,592, 11-3-59, Cl. 324-83.
- Collard, John, to Electric & Musical Industries Ltd. High frequency apparatus. 2,912,619, 11-10-59, Cl. 315-39.
- Collardeau, Georges, and C. Tourniaire, to Societe des Usines Chimiques Rhone-Poulenc. Multilayer materials including layers of multicellular synthetic polymer. 2,908,602, 10-13-59, Cl. 154-128.
- Collett, Endsley H. Spud wrench. 2,895,361, 7-21-59, Cl. 81-72.
- Collette, Floyd E. Travelling rack. 2,880,878, 4-7-59, Cl. 211-1.5.
- Colley, Rowan H., to Rolls-Royce Ltd. Fuel supply system for gas-turbine reheat combustion equipment. 2,867,082, 1-8-59, Cl. 60-35.6.
- Colley, Rowan H., to Rolls-Royce Ltd. Multi piston ram device. 2,893,209, 7-7-59, Cl. 60-97.
- Colley, Rowan H., K. A. Basford, D. Moore, and M. N. Pearce, to Rolls-Royce Ltd. Reheat fuel-system for gas-turbine engine. 2,916,876, 12-15-59, Cl. 60-39.28.
- Collier Carbon and Chemical Corp.: See—  
Christian, Curtis G. 2,884,318.
- McKinnis, Art C. 2,886,602.
- Scott, Carleton B. 2,867,561.
- Scott, Carleton B. 2,868,687.
- Scott, Carleton B. 2,897,110.
- Scott, Carleton B. 2,909,555.
- Scott, Carleton B., Webb, and Yale. 2,917,429.
- Webb, Irving D., Scott, and Yale. 2,882,197.
- Webb, Irving D., and Yale.

- Collier, John W., Co., Inc.: See—  
Sabula, George. 2,881,653.  
Collier, Robert T.: See—  
Keller, Philip B. 2,869,332.  
Collier, Rufus A.: See—  
Chaney, Preston E., and Collier. 2,879,604.  
Collier, William H.: See—  
Rotzler, Rosa W., Hickman, and Collier. 2,868,327.  
Collins, Herbert S. Shield for clothes hangers. 2,873,899, 2-17-59, Cl. 223-98.  
Collina, Giustino, to Contraves Italiana, S.p.A. Stick actuated inductive controller element. 2,903,663, 9-8-59, Cl. 336-134.  
Collings, David A. Magnetic handler for cylindrical articles of magnetic material. 2,913,276, 11-17-59, Cl. 294-65.5.  
Collins & Alkman Corp.: See—  
Grajeck, Edwin J. 2,910,724.  
Keen, William R., and Grajeck. 2,908,013.  
White, William L. 2,875,504.  
Collins, Arthur A., to Collins Radio Co. Parasitic oscillation suppressor. 2,888,524, 5-26-59, Cl. 179-171.  
Collins, Arthur L. Centrifugal pumps. 2,918,017, 12-22-59, Cl. 103-103.  
Collins, Arthur S., to Godfrey L. Cabot, Inc. Recovery of acids from petroleum sludges. 2,903,340, 9-8-59, Cl. 23-177.  
Collins, Clifford B., to General Electric Co. Silicon current controlling devices. 2,871,330, 1-27-59, Cl. 201-63.  
Collins, Donald G., to Lear, Inc. Switch actuator. 2,898,423, 8-4-59, Cl. 200-109.  
Collins, Douglas. Stall and reverse circuit for windshield wiper. 2,875,464, 3-3-59, Cl. 15-253.  
Collins, George M.: See—  
Judson, Charles A., and Collins. 2,905,326.  
Collins, Harold B. Dispensing container for fishing leaders. 2,875,963, 3-3-59, Cl. 242-135.  
Collins, Harold B. Drive means for calking gun plungers. 2,889,085, 6-2-59, Cl. 222-391.  
Collins, Henry W.: See—  
Crane, Amos W., and Collins. 2,916,777.  
Volberg, Frank M., and Collins. 2,891,946.  
Collins, Howard W., to Westinghouse Electric Corp. Power supply. 2,875,351, 2-24-59, Cl. 307-88.  
Collins, Irene: See—  
Snyder, James E., Ferner, and Collins. 2,888,350.  
Collins, Jack B.: See—  
Thurlby, Leslie T., and Collins. 2,909,668.  
Collins, John E., to International Basic Economy Corp. Valve. 2,892,608, 6-30-59, Cl. 251-61.  
Collins, John E., to International Basic Economy Corp. Packing means for plunger valves. 2,892,644, 6-30-59, Cl. 286-26.  
Collins, John E., to International Basic Economy Corp. Solenoid operated pressure balanced flow valve. 2,893,428, 7-7-59, Cl. 137-620.  
Collins, John E., to International Basic Economy Corp. Pilot actuated fluid control valve. 2,898,936, 8-11-59, Cl. 137-620.  
Collins, John F.: See—  
Kurzinski, Edward F., Collins, Barnes, and Dahm. 2,889,222.  
Collins, John F., to Esso Research and Engineering Co. Manufacture of organic calcium sulfonates. 2,902,448, 9-1-59, Cl. 252-33.  
Collins, John F., and R. V. Sheehan, to Esso Research and Engineering Co. Mineral white oil treatment. 2,900,333, 8-18-59, Cl. 208-274.  
Collins, John J., to American Telephone and Telegraph Co. Four-party station identification circuit. 2,901,544, 8-25-59, Cl. 179-17.  
Collins, Kenneth J.: See—  
King, Albert, and Collins. 2,914,430.  
Collins, Leonard M., to Pressure Dispensers, Inc. Self-closing valve construction for a pressurized container. 2,869,764, 1-20-59, Cl. 222-394.  
Collins, Leonard M., to Pressure Dispensers, Inc. Dispensing valve with stem sealing means. 2,889,086, 6-2-59, Cl. 222-394.  
Collins, Leonard M., to Pressure Dispensers, Inc. Dispensing valve. 2,901,153, 8-25-59, Cl. 222-325.  
Collins, Leonard M., to Pressure Dispensers, Inc. Liquid measuring device. 2,919,056, 12-29-59, Cl. 222-477.  
Collins, Lowell J. Food strainer. 2,894,633, 7-14-59, Cl. 210-341.  
Collins, Lowell J. Elevators. 2,899,091, 9-11-59, Cl. 214-313.  
Collins, Lowell J. Pumps. 2,903,971, 9-15-59, Cl. 103-137.  
Collins, O. Z. Pallet arbor inserting tool. 2,874,455, 2-24-59, Cl. 29-231.  
Collins, Per H., K. E. Efrting, and J. H. Jonsson, to Stora Kopparbergs Bergslags Aktiebolag. Method in manufacturing chemical or semi-chemical pulp from heavily resinous wood. 2,885,317, 5-5-59, Cl. 162-87.  
Collins Radio Co.: See—  
Anderson, William G., and Willis. 2,875,965.  
Armstrong, William J., Morrison, and Myhre. 2,905,011.  
Babcock, Dean F. 2,870,431.  
Bann, Michael S., and Lewis. 2,897,439.  
Barry, George H. 2,875,932.  
Barry, George H. 2,905,837.  
Barry, George H. 2,914,674.  
Barry, George H. 2,915,633.  
Bercovitz, Nathaniel, Jr. 2,918,634.  
Bolte, Victor W. 2,888,671.  
Bolte, Victor W. 2,893,138.  
Bolte, Victor W. 2,894,133.  
Bolte, Victor W. 2,901,700.  
Bolte, Victor W. 2,905,935.  
Broadhead, Samuel L., Jr. 2,888,561.  
Broadhead, Samuel L., Jr. 2,901,729.  
Carney, Charles S. 2,905,888.  
Carter, Robert C. 2,888,633.  
Cattol, Robert L., and Lehman. 2,918,638.  
Colby, Robert A., and Passman. 2,897,299.  
Collins, Arthur A. 2,888,524.  
Dawkins, John E. 2,909,940.  
De Long, Vincent R. 2,886,752.  
Doelz, Melvin L. 2,888,650.  
Doelz, Melvin L., and Babcock. 2,905,812.  
Elliott, William S. 2,901,706.  
Essler, Warren O. 2,870,346.  
Essler, Warren O. 2,914,684.  
Follensbee, Wesley M., and Schoenike. 2,888,527.  
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Glynn, Leon A. 2,910,661.  
Goetz, John L. 2,918,615.  
Hern, Howard D. 2,870,412.  
Hulschub, Donald L., Kurka, Phillips, and Streeter. 2,905,908.  
Jacobson, Herbert P., and Williams. 2,886,707.  
Jones, Paul R. 2,901,208.  
Justice, Harold D. 2,875,695.  
Kabous, Leo R. 2,909,933.  
Kuykendall, Leland S. 2,905,021.  
Kuykendall, Leland S. 2,910,556.  
Lasho, Clarence E., Jr. 2,876,423.  
Lehman, Harry W. 2,900,846.  
Lehman, Harry W. 2,914,254.  
Lehman, Harry W., and Meyer. 2,886,758.  
Lewis, Herbert O. 2,896,446.  
Lewis, Herbert O. 2,897,454.  
Lippisch, Alexander M. 2,879,957.  
Lippisch, Alexander M. 2,905,091.  
Lippisch, Alexander M. 2,918,229-33.  
Ludvigson, Merrill T. 2,910,655.  
Miller, La Verne E. 2,897,464.  
Morris, Glen B. 2,905,023.  
Nichols, Donald E. 2,875,622.  
Nichols, Donald E., and Swanson. 2,918,157.  
Nicholson, Gordon E. 2,901,067.  
Nordstrom, Gordon J., and Smith. 2,901,604.  
Passman, Harry M. 2,879,673.  
Passman, Harry M. 2,893,704.  
Patton, Henry W. 2,905,818.  
Patton, Henry W. 2,910,643.  
Perkins, William C., Sherwood, and Jacobson. 2,886,708.  
Porter, Kenneth W., Jr., and Stillwell. 2,918,575.  
Rector, Jack D. 2,880,329.  
Ringoen, Richard M. 2,888,646.  
Schulte, Frederick E. 2,879,671.  
Schulte, Frederick E. 2,893,257.  
Sharma, Roshan L. 2,887,877.  
Sherwood, John R. 2,901,614.  
Stern, Everett L. 2,870,326.  
Stillwell, Harry F. 2,894,127.  
Stover, Harris A. 2,888,555.  
Stover, Harris A. 2,888,624.  
Tollefson, Robert D. 2,880,400.  
Whittington, William E. 2,889,498.  
Williams, Winston F. 2,896,476.  
Willis, Theodore R. 2,876,353.  
Yasumura, Jobu. 2,870,321.  
Collins, Ralph B., Jr., to Microwave Associates, Inc. Radiation-proof package for crystal diodes. 2,899,050, 8-11-59, Cl. 206-65.  
Collins, Rawlings H. Parking structure for automotive vehicles. 2,872,991, 2-10-59, Cl. 180-1.  
Collins, Richard V., to United States of America, Army. Flash suppressor. 2,870,679, 1-27-59, Cl. 89-14.  
Collins, Robert R., to Socony Mobil Oil Co., Inc. Moving bed flow control valve. 2,897,936, 8-4-59, Cl. 193-32.  
Collins, Ronald B., and S. F. W. Welford, to Ilford Ltd. Production of photographic material. 2,912,343, 11-10-59, Cl. 117-34.  
Collins, Roy T., A. R. Dey, and J. L. Winston, to General Motors Corp. Material handling means. 2,903,217, 9-8-59, Cl. 248-120.  
Collins, Samuel C.: See—  
Hughes, Robert W., and Collins. 2,902,833.  
Collins, Solomon M., to Kinkade Industries Inc. Folding shower door. 2,897,514, 8-4-59, Cl. 4-154.  
Collins, Solomon M., to Kinkade Industries Inc. Folding shower door. 2,897,515, 8-4-59, Cl. 4-154.  
Collins, Tappan M., C. Seim, and V. A. Brayman, to National Steel Corp. Grain ventilating tunnel. 2,907,036, 9-29-59, Cl. 98-58.



- Collins, William A., to Rudy Mfg. Co. Refrigeration evaporator with clinch-type plates. 2,869,337, 1-20-59, Cl. 62-516.
- Collins, William E.: See—  
Nall, Hans A. 2,904,492.
- Collins, William F. Check printing and punching machine. 2,874,632, 2-24-59, Cl. 101-19.
- Collins, Winifred C., to Johnson & Johnson. Adhesive tape with low adhesion backsize coating. 2,913,353, 11-17-59, Cl. 117-68.5.
- Collins, Zane L., M. E. Hayes, and K. A. Kiesel, to Westinghouse Electric Corp. X-ray apparatus. 2,913,582, 11-17-59, Cl. 250-103.
- Collinson, Eric S.: See—  
Clarke, John S., and Collinson. 2,867,982.
- Collins, Raymond J., and P. A. Favrin. Hydraulic transformer. 2,876,704, 3-10-59, Cl. 103-49.
- Collis, Alec P. O.: See—  
Esterson, Maurice, and Collis. 2,877,380.
- Collis, Ralph W. Clamping assembly. 2,913,965, 11-24-59, Cl. 90-59.
- Collison, William F.: See—  
Steele, Floyd G., and Collison. 2,900,134.
- Collman, John S., W. A. Turunen, and P. T. Vickers, to General Motors Corp. Regenerative heat exchanger. 2,890,024, 6-9-59, Cl. 237-6.
- Collom, Cletus J., to Weltronic Co. Electronic control system. 2,878,364, 3-17-59, Cl. 219-114.
- Collopy Electro-Soil Co.: See—  
Collopy, Joseph P. 2,873,343.
- Collopy, Joseph P., to Collopy Electro-Soil Co. Electromagnetic heater. 2,873,343, 2-10-59, Cl. 219-6.5.
- Colloretta, Albert J., to Ark-Les Switch Corp. Electrical switch. 2,894,082, 7-7-59, Cl. 200-44.
- Collura, Peter C., to Container Corp. of America. Handle carton. 2,874,870, 2-24-59, Cl. 220-112.
- Collura, Peter C., to Container Corp. of America. Band type can carrier. 2,899,104, 8-11-59, Cl. 220-115.
- Colman, Edward, to Du-More Fixture Co., Inc. Check stand. 2,871,984, 2-3-59, Cl. 186-1.
- Colman, Harry, and R. L. Fowler. Combined fluid pump and indicator. 2,910,940, 11-3-59, Cl. 103-1.
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Chambers, Herbert I. 2,899,259.  
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Fraser, John T. 2,907,665.  
Freeman, Holland H. 2,904,754.  
Gauger, Roy C. 2,882,429.  
Gerow, Gordon P. 2,909,149.  
Hall, Lawrence G., and Cole. 2,891,630.  
Heath, Roy T., and Burdorf. 2,894,702.  
Johnson, Lenard H. 2,886,757.  
Lahti, Arvo A., and MacDonald. 2,873,439.  
Lahti, Arvo A., and Maxwell. 2,909,337.  
Lovelace, Donald E. 2,872,813.  
MacDonald, Duncan N. 2,909,069.  
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Martin, Archer J. P. 2,890,586.  
Miller, Theodore. 2,867,436.  
Montgomery, Donald N., Lovelace, and Wilcox. 2,917,709.  
Montgomery, Donald N., and Thoss. 2,899,641.  
Neff, Glyn A. 2,874,283.  
Neff, Glyn A. 2,892,182.  
Neff, Glyn A. 2,904,776.  
Robinson, Charles F. 2,875,606.  
Shockley, William. 2,891,171.  
Sink, Robert L. 2,876,004.  
Sink, Robert L., and Neff. 2,891,237.  
Spaulding, Carl P. 2,867,723.  
Tavis, John R. 2,867,770.  
Tavis, John R. 2,873,427.  
Tavis, John R. 2,874,353.  
Tavis, John R. 2,886,781.  
Wilson, Gardner P. 2,882,405.
- Consolidated Electronics Industries Corp.: See—  
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Fackler, Bernard E., Donnelly, and Daniels. 2,916,569.  
Haydon, Arthur W. 2,869,062.  
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- Consolidated Foundries and Mfg. Corp.: See—  
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Walworth, Robert S. 2,877,507.
- Consolidated Mining and Smelting Co. of Canada Ltd.: The  
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Robinson, Joseph N., Miller, and McDonnell. 2,895,994.  
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Thompson, Joshua B. 2,905,532.  
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- Consolidated Molded Products Corp.: See—  
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Swartz, Charles K. 2,873,896.
- Consolidated Paper Bag Co.: See—  
Wolfson, William B., King, Baer, and Clough. 2,897,095.
- Consolidated Trimming Corp.: See—  
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- Consolidated Water Power & Paper Co.: See—  
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- Consolidation Coal Co.: See—  
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Jones, Sam A. 2,877,896.  
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Lee, Arthur L. 2,907,227.  
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Poundstone, William N. 2,879,049.  
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- Consortium de Produits Chimiques et de Synthèse: See—  
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- Constant, Marcel: See—  
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- Constantine, Arthur R.: See—  
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- Constantine, Theodore G., and G. K. Zenedes: said Zenedes assor. to said Constantine. Support assembly for vehicle steering column. 2,918,202, 12-22-59, Cl. 224-42.45.
- Constock International Methane Ltd.: See—  
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- Constock Liquid Methane Corp.: See—  
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Brown, Edwin H. 2,903,860.  
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- Constructional Engineering Co. Ltd.: See—  
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- Constructions Electro-Mécaniques de Saint-Etienne (Ancienne Usine Wageor): See—  
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- Constructions Meca-Metalliques Chalonnaises: See—  
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- Consumers Merchandising Corp.: See—  
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- Consumers Tire & Supply Co., Inc.: See—  
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- Container Corp. of America: See—  
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Drnc, Harry F., Snyder, and Johnson. 2,900,123.  
Fisher, John V. 2,889,040.  
Gronemeyer, Erich W. 2,876,926.  
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Jones, Cecil T. 2,914,235.  
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- Container Equipment Corp.: See—  
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- Conte, Joseph F.: See—  
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- Conte, Joseph F., and E. C. Polidor, to Optical Gaging Products, Inc. Apparatus for filing templates and the like. 2,887,827, 5-26-59, Cl. 51-59.
- Conti, John D., to American Viscose Corp. Pliability tester. 2,886,967, 5-19-59, Cl. 73-95.
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- Continental Aviation and Engineering Corp.: See—  
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- Continental Can Co., Inc.: See—  
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Stone, Orison W. 2,875,941.  
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Cook, Earle S., to Westinghouse Air Brake Co. Fluid pressure actuator. 2,905,199, 9-22-59, Cl. 137-782.  
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Cook, George W. Sensitive vertical displacement seismometer. 2,909,759, 10-20-59, Cl. 340-17.  
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Cook, Gordon H., and P. A. Merigold, to Taylor, Taylor & Hobson Ltd. Optical objectives. 2,895,379, 7-21-59, Cl. 88-57.  
Cook, Harold C., to Cook Machine Co. Lumber sorting machine. 2,867,323, 1-6-59, Cl. 209-90.  
Cook, Harold E., to R. G. Schneyer. Cargo lift for a truck body. 2,900,099, 8-18-59, Cl. 214-674.  
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Cook, John S., to Bell Telephone Laboratories, Inc. Coupled lines systems. 2,885,593, 5-5-59, Cl. 315-3.6.  
Cook, Leonard W., and H. A. Passarelli, Jr., to General Electric Co. Mercury button switch with resilient seal. 2,916,589, 12-8-59, Cl. 200-152.  
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Cook, Marlon H., to Miles Laboratories, Inc. Composition of matter. 2,893,844, 7-7-59, Cl. 23-253.  
Cook, Maurice E. Service tray adapted for use in automobiles and in other relations. 2,897,974, 8-4-59, Cl. 211-74.  
Cook, Milton V. Exerciser and amusement device. 2,871,017, 1-27-59, Cl. 272-79.  
Cook, Nolan L. Flashhook release. 2,869,278, 1-20-59, Cl. 43-42.8.  
Cook, Paul R. Layout means for use in masonry construction. 2,904,891, 9-22-59, Cl. 33-111.  
Cook, Ralph L., and E. A. Andrew, to Olin Mathieson Chemical Corp. Method of preparing globular propellant powder. 2,888,713, 6-2-59, Cl. 18-47.2.  
Cook, Robert J. Two piece rigid leggings. 2,902,779, 9-8-59, Cl. 36-2.  
Cook, Robert W., to C. W. Fuelling, Inc. Method and apparatus for terminating and extending fluid transmission mains. 2,910,083, 10-27-59, Cl. 137-74.  
Cook, Robert W., and L. McBride, to Anthony Wayne Improvement Co. Pipe sealing apparatus and method. 2,894,539, 7-14-59, Cl. 138-97.  
Cook, Robert W., to C. W. Fuelling. Pipe joint-locating device. 2,896,155, 7-21-59, Cl. 324-34.  
Cook, Ross, Inc.: See—  
Cook, Ross, Capers, and Martens. 2,893,660.  
Cook, Ross, J. D. Capers, and A. Martens, to Ross Cook, Inc. Pneumatic transit tube system with remotely controlled transfer apparatus. 2,893,660, 7-7-59, Cl. 243-16.  
Cook, Vernon H. Transparency supporting and illuminating device. 2,902,787, 9-8-59, Cl. 40-152.2.  
Cook, Vernon L., and H. S. Knaack, to Em-Tec, Inc. Signalling system. 2,881,409, 4-7-59, Cl. 340-33.  
Cook-Walke Laboratories, Inc.: See—  
Reznek, Solomon. 2,895,473.  
Reznek, Solomon. 2,895,474.  
Cook, Walter L., and Boeing Airplane Co. Method and apparatus for hot riveting and similar metal forming operations. 2,909,651, 10-20-59, Cl. 219-152.  
Cook, Woodrow L., to United States of America, Navy. Porous area-suction flap for aircraft. 2,876,966, 3-10-59, Cl. 244-42.  
Cooke, Claude W., Jr., to Hughes Aircraft Co. Phase inverter. 2,903,525, 9-8-59, Cl. 179-171.  
Cooke, Harold G., Jr., to Devco & Reynolds Co., Inc. Epoxide resins, etc. 2,893,978, 7-7-59, Cl. 260-47.  
Cooke, Harold G., Jr., and J. E. Masters, to Devco & Reynolds Co., Inc. Reaction products of polyepoxides and monomeric partial esters of polyhydric alcohols with maleic anhydride-unsaturated organic acid adducts, and methods and compositions for producing the same. 2,909,496, 10-20-59, Cl. 260-22.  
Cooke, Harry L., to Radio Corp. of America. Time division multiplex system for signals of different bandwidth. 2,919,308, 12-29-59, Cl. 179-15.  
Cooke, Maurice D.: See—  
Bewley, Thomas, and Cooke. 2,906,676.  
Cooke, Robert J. Combination night lamp and transparency illuminator. 2,906,047, 9-29-59, Cl. 40-63.  
Cooke, William H., and J. W. C. Crawford, to United States of America, Atomic Energy Commission. Method for the reduction of uranium compounds. 2,886,429, 5-12-59, Cl. 75-84.1.  
Cookingham, Owen C.: See—  
Browne, Harold L., Cookingham, and Pendleton. 2,867,843.  
Cookman, Erlo B. Wire tie and method of securing the same to a wire fence or the like. 2,907,553, 10-6-59, Cl. 256-57.  
Cooksley, Ralph D. Charcoal. 2,874,631, 2-24-59, Cl. 99-400.  
Cooksley, Ralph D., to General Gas Light Co. Flow regulator. 2,884,223, 4-28-59, Cl. 251-274.  
Cooksley, Ralph D., to General Gas Light Co. Valve structure. 2,912,006, 11-10-59, Cl. 137-620.  
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Cookson, William, to J. C. Fredenburg-Inglesby. Roofing and siding sheets. 2,873,699, 2-17-59, Cl. 108-22.  
Cookston, Jack W., to Nova Beaucage Mines Ltd. (N.P.L.) Method of separating metals from ores and concentrates. 2,905,545, 9-22-59, Cl. 75-1.  
Cool, Kenneth A.: See—  
Taylor, Samuel K., and Cool. 2,868,612.  
Cooley, Austin G., to Digital Control Systems, Inc. Automatic phasing control for facsimile recorders and the like. 2,907,826, 10-6-59, Cl. 178-69.5.  
Cooley, Austin G., to Digital Control Systems, Inc. High speed facsimile transmission systems. 2,894,054, 7-7-59, Cl. 178-6.6.  
Cooley, Glenn C.: See—  
Facer, Leroy H. 2,867,522.  
Cooley, Stone D.: See—  
Suter, Hans A., and Cooley. 2,903,465.  
Cooley, Stone D., and F. B. Marcotte, to Celanese Corp. of America. 1,2-dichloroethane. 2,870,225, 1-20-59, Cl. 260-662.  
Coolidge, John E., Jr., and H. W. Grossen, to Borg-Warner Corp. Electrical precipitator. 2,900,042, 8-18-59, Cl. 183-7.  
Coomes, Edward A., and F. E. Gifford, to University of Notre Dame Du Lac. Thermionic emitter and method of making same. 2,892,740, 6-30-59, Cl. 148-1.6.  
Coon, Allen B., Jr. Camping apparatus for station wagons. 2,867,471, 1-6-59, Cl. 296-23.  
Coon, Kenneth C., M. J. Harpole, and E. R. Van Krevelen, to General Mills, Inc. Rate of climb tester. 2,893,236, 7-7-59, Cl. 73-4.  
Coon, Lowell G.: See—  
Carmichael, Robert, and Coon. 2,885,517.  
Cooney, Edward J., to Inland Steel Co. Tongue bender. 2,890,735, 6-16-59, Cl. 153-39.  
Cooney, George R., to United States of America, Navy. Rotary joint. 2,896,173, 7-21-59, Cl. 333-7.  
Cooney, James S., to Pylon Co., Inc. Rod joint. 2,896,981, 7-28-59, Cl. 287-20.5.  
Coonrad, Harry L.: See—  
Ciapetta, Frank G., Coonrad, and Garwood. 2,885,352.  
Coons, Burton C., and W. B. Fruit feeding, end trimming, halving and knock-off mechanism. 2,901,014, 8-25-59, Cl. 146-72.



- Coons, Curtis C., to The Hoover Co. Suction control in surface cleaning tool. 2,894,274, 7-14-59, Cl. 15-421.
- Coons, Frank P., to Johnson & Johnson. Dispensing package. 2,876,892, 3-10-59, Cl. 206-52.
- Coons, Willard B.: See—
- Coons, Burton C. and W. B. 2,901,014.
- Cooper, Alfred, and L. B. MacQueen, to Expanded Rubber Co. Ltd. Manufacture of cellular material from bitumen and styrene. 2,888,407, 5-26-59, Cl. 260-2.5.
- Cooper Alloy Corp.: See—
- Kretz, Herman C. 2,913,337.
- Mott, Norman S. 2,868,638.
- Cooper, Benjamin. Automatic toll collection system. 2,908,895, 10-13-59, Cl. 340-213.
- Cooper, Benjamin. Treadle switch. 2,909,628, 10-20-59, Cl. 200-86.
- Cooper-Bessemer Corp.: See—
- Crooks, William R. 2,897,804.
- Miller, Carl D. 2,918,826.
- Cooper, Bruce L., and J. Lund, to D. S. Plugs Ltd. Pins of electric plug and socket joints. 2,878,339, 3-17-59, Cl. 200-113.
- Cooper, Charles M., to United States of America, Atomic Energy Commission. Means for terminating nuclear reactions. 2,874,109, 2-17-59, Cl. 204-193.2.
- Cooper, Charles W., to National Clay Pipe Manufacturers, Inc. Pipe sealing material. 2,889,582, 6-9-59, Cl. 18-59.
- Cooper, Cleveland N., and A. I. Frederick, to The Pandjiris Weldment Co. Welding apparatus. 2,871,334, 1-27-59, Cl. 219-130.
- Cooper, Curtis M. Automatic meter reading system. 2,870,258, 1-20-59, Cl. 179-2.
- Cooper, David Y.: See—
- Brown, Elwyn S., Cooper, Elam, and Johns. 2,887,105.
- Cooper, Dexter P., Jr., to Polaroid Corp. Electric lamp. 2,909,696, 10-20-59, Cl. 313-221.
- Cooper, Donald E., to Titanium Metals Corp. of America. Melting refractory metals. 2,890,109, 6-9-59, Cl. 75-10.
- Cooper, Donald E., and E. D. Dilling, to Titanium Metals Corp. of America. Method for controlling arc length. 2,904,718, 9-15-59, Cl. 314-73.
- Cooper, Elmer J., and H. J. Peppier, to Red Star Yeast and Products Co. Yeast extraction. 2,904,439, 9-15-59, Cl. 99-97.
- Cooper, Glenn D.: See—
- Gilbert, Alfred R., and Cooper. 2,902,506.
- Cooper, Guy R., and R. Tomlin, to D. Gordon. Carpenter's tool. 2,896,910, 7-28-59, Cl. 254-131.
- Cooper, Harry D., to Ethyl Corp. Preparation of aryloxyaliphatic acid substances. 2,914,558, 11-24-59, Cl. 260-521.
- Cooper, Howard G., Jr., and M. E. Hines, to Bell Telephone Laboratories, Inc. Electron lens systems. 2,884,559, 4-28-59, Cl. 315-14.
- Cooper, Hugh S., and J. C. Schaefer, to W. M. Well. Production of boron by fused salt bath electrolysis. 2,918,417, 12-22-59, Cl. 204-60.
- Cooper, Hugh S., J. C. Schaefer, and E. C. Schmidt, to W. M. Well. Recovery of manganese from metallurgical slags, dusts and ores. 2,877,110, 3-10-59, Cl. 75-111.
- Cooper, Jack, and J. J. Windheuser, to Ciba Pharmaceutical Products, Inc. Prolonged action tablets. 2,887,438, 5-19-59, Cl. 167-82.
- Cooper, Jack H., and T. Freistat, to Great Western Heel Co., Inc. Cast aluminum heel with plastic filler. 2,871,583, 2-3-59, Cl. 36-40.
- Cooper, Jacob L., K. R. Daniel, and J. C. Lowery, to American Cast Iron Pipe Co. Hold-down device for machines for rotating cylindrical articles. 2,913,784, 11-24-59, Cl. 22-65.
- Cooper, Jacob L., K. R. Daniel, J. O. Patton, Jr., and E. Vandergrift, Jr., to American Cast Iron Pipe Co. Apparatus for stripping tubular castings from molds and cleaning the castings. 2,870,496, 1-27-59, Cl. 22-65.
- Cooper, James. Four-wheel bogies for rail cars and the like. 2,892,420, 6-30-59, Cl. 105-194.
- Cooper, James, to Hall & McChesney, Inc. Looseleaf binder. 2,906,268, 9-29-59, Cl. 129-23.
- Cooper, James M., and R. E. Bartholomew, to General Electric Co. Automatic and manual control apparatus for aircraft. 2,890,844, 6-16-59, Cl. 244-77.
- Cooper, John C., and R. W. Hagmann, to Radio Corp. of America. Electron beam convergence apparatus. 2,875,374, 2-24-59, Cl. 315-13.
- Cooper, John E. Adapter means for dental motor controls. 2,871,722, 2-3-59, Cl. 74-562.
- Cooper, John G. Cartons. 2,875,943, 3-3-59, Cl. 229-39.
- Cooper, John R. Sealed beam headlight. 2,891,186, 6-16-59, Cl. 313-113.1.
- Cooper, Joseph F., Jr.: See—
- Swanstrom, John E., Connell, Cooper, and Swanson. 2,869,409.
- Cooper, Joseph H., to E. I. du Pont de Nemours and Co. Production of phthalocyanine pigments. 2,908,690, 10-13-59, Cl. 260-314.5.
- Cooper, Joseph H., to The Taylor-Winfield Corp. Narrow lap seam welder. 2,911,515, 11-3-59, Cl. 219-79.
- Cooper, Morris. Remote control rear view mirror. 2,903,944, 9-15-59, Cl. 88-93.
- Cooper, Murray S.: See—
- Wagner, Alan R., and Cooper. 2,893,392.
- Cooper, Orin N. Tub overflow. 2,884,650, 5-5-59, Cl. 4-206.
- Cooper, Orin N. Rinse wringer construction. 2,887,863, 5-26-59, Cl. 68-22.
- Cooper, Paul W., and J. F. O'Brien. Transistorized radio receiver. 2,873,359, 2-10-59, Cl. 250-20.
- Cooper, Ray D. Book storage apparatus. 2,872,048, 2-3-59, Cl. 211-143.
- Cooper, Robert H., to United States of America, Navy. Pneumatic film transport. 2,892,379, 6-30-59, Cl. 88-18.
- Cooper, Robert H., and K. L. Godfrey, to Monsanto Chemical Co. Composition containing benzothiazyl disulfide dispersed in a mineral oil. 2,918,512, 12-22-59, Cl. 260-785.
- Cooper, Robert H., and K. L. Godfrey, to Monsanto Chemical Co. Dispersible aryl thiazyl sulfides having admixed therewith a mineral oil and a fatty acid ester. 2,918,513, 12-22-59, Cl. 260-785.
- Cooper, Robert L. Surgical retractor apparatus. 2,893,378, 7-7-59, Cl. 128-20.
- Cooper, Robert S.: See—
- Toy, Arthur D. F., and Cooper. 2,867,547.
- Toy, Arthur D. F., and Cooper. 2,867,610.
- Toy, Arthur D. F., Cooper, and Traise. 2,867,548.
- Cooper, Ronald H., to The Dow Chemical Co. Auto-hardening phenol-formaldehyde composition and method of preparing shell molds therefrom. 2,869,194, 1-20-59, Cl. 22-193.
- Cooper, Ronald H., to The Dow Chemical Co. Oil well treatment. 2,900,027, 8-18-59, Cl. 166-33.
- Cooper, Ronald H., to The Dow Chemical Co. Shell mold composition and method of making same. 2,913,787, 11-24-59, Cl. 22-193.
- Cooper, Ronald H., and G. M. Corbett, to The Dow Chemical Co. Composition comprising sand, phenolic resin and anhydrous sodium carbonate, method of making and refractory article produced. 2,869,191, 1-20-59, Cl. 22-147.
- Cooper, Ronald H., and J. A. Kelly, to The Dow Chemical Co. Shell molding composition containing fatty alkyl amide condensate, inert filler and a phenolic resin and method of making mold. 2,869,195, 1-20-59, Cl. 22-193.
- Cooper, Ronald H., and G. M. Corbett, to The Dow Chemical Co. Refractory composition containing slag, sand, and magnesium oxide, and aqueous phenolic resin, method of making and product obtained. 2,869,196, 1-20-59, Cl. 22-193.
- Cooper, Ronald H., and L. C. Johnson, to The Dow Chemical Co. Porous composition containing a phenol-aldehyde resin, method of preparation, and article fabricated therefrom. 2,870,110, 1-20-59, Cl. 260-29.3.
- Cooper, Roy L., to Waterman Engineering Corp. Intake heater. 2,886,688, 5-12-59, Cl. 210-38.
- Cooper, Roy L., to Waterman Engineering Corp. Pitching machine. 2,908,266, 10-13-59, Cl. 124-6.
- Cooper, Theodore D., to United States of America, Army. System and method for measuring the deviation factor of wave forms. 2,913,663, 11-17-59, Cl. 324-77.
- Cooper, Thomas A., and R. A. Woodle, to The Texas Co. Adsorption process. 2,886,522, 5-12-59, Cl. 208-310.
- Cooper, Victor J., to Marconi's Wireless Telegraph Co. Ltd. Phase-amplitude characteristic correction circuit arrangements. 2,890,294, 6-9-59, Cl. 170-171.
- Cooper, Virgil K., to E. L. Weber. Self-wrangling mop. 2,869,161, 1-20-59, Cl. 15-119.
- Cooper, Wayne E., and W. C. Poupplert, to Phillips Petroleum Co. Transfer of solids. 2,886,210, 5-12-59, Cl. 222-1.
- Cooper, Wayne E., and W. R. Eddy, to Phillips Petroleum Co. Apparatus for handling finely divided solids in liquid. 2,878,949, 3-24-59, Cl. 214-17.
- Cooper, Wayne M.: See—
- Hillwick, Stanley L., and Cooper. 2,898,008.
- Cooper, William F.: See—
- Monroe, Wilfred E., and Cooper. 2,918,862.
- Cooper, William H., to International Telephone and Telegraph Corp. Crystal contact device. 2,891,201, 6-16-59, Cl. 317-236.
- Coöperatieve Verkoop-en Productievereniging van Aardappelmoei en Derivaten "Avebe" G.A.: See—
- Hlemstra, Pieter, and Muetgeert. 2,902,336.
- Cooperman, Michael: See—
- Sonnenfeldt, Richard W., Grundmann, and Cooperman. 2,899,491.
- Cooperman, Michael, and G. L. Grundmann, to Radio Corp. of America. Magnetic two-angle demodulator. 2,899,492, 8-11-59, Cl. 178-5.4.
- Coopers Mechanical Joints Ltd.: See—
- Streete, Charles M. 2,886,129.
- Coopersmith, John M., K. C. Peterson, and M. Sutton, to Standard Oil Co. Polyisobutylene production. 2,918,508, 12-22-59, Cl. 260-683.15.
- Coopridge, Rex C., to The Drackett Co. Dispenser pump. 2,889,964, 6-9-59, Cl. 222-321.
- Coors, Adolph, Co.: See—
- Buck, Cecil S. 2,917,882.
- Coover, Delos G. A. Irrigation pipe coupling. 2,910,996, 11-3-59, Cl. 137-107.
- Coover, Harry W., Jr.: See—
- Guillet, James E., and Coover. 2,870,131.
- Guillet, James E., and Coover. 2,891,936.
- McCall, Marvin A., and Coover. 2,908,707.
- McConnell, Richard L., and Coover. 2,875,231.
- McConnell, Richard L., and Coover. 2,875,232.
- McConnell, Richard L., and Coover. 2,912,450.
- Shearer, Newton H., Jr., and Coover. 2,887,471.
- Tamblyn, John W., and Coover. 2,912,411.

- Coover, Harry W., Jr., and W. C. Wooten, Jr., to Eastman Kodak Co. Stabilized lower fatty acid esters of cellulose. 2,917,398, 12-15-59, Cl. 106-169.
- Coover, Harry W., Jr., to Eastman Kodak Co. Copolymerization of acrylonitrile, and another unsaturated monomer, in the presence of preformed homopolymers and products obtained thereby. 2,879,253, 3-24-59, Cl. 260-45.5.
- Coover, Harry W., Jr., to Eastman Kodak Co. N-dialkylaminoalkyl acrylamide and methacrylamide modified polyacrylonitriles and process for preparing same. 2,879,255, 3-24-59, Cl. 260-45.5.
- Coover, Harry W., Jr., to Eastman Kodak Co. Polymerization of vinyl chloride or vinylidene chloride in the presence of isolated polymers. 2,899,405, 8-11-59, Cl. 260-45.5.
- Coover, Harry W., Jr., and M. A. McCall, to Eastman Kodak Co. Preparation of neutral mixed phosphates from trialkyl phosphates and carboxylic acid esters. 2,875,229, 2-24-59, Cl. 260-461.
- Coover, Harry W., Jr., and R. L. McConnell, to Eastman Kodak Co. Preparation of neutral mixed phosphates from trialkyl phosphates and alcohols. 2,875,230, 2-24-59, Cl. 260-461.
- Coover, Harry W., Jr., and J. R. Caldwell, to Eastman Kodak Co. Copolymerization of acrylonitrile and another monomer in the presence of preformed polymers and products obtained thereby. 2,879,254, 3-24-59, Cl. 260-45.5.
- Coover, Harry W., Jr., and W. C. Wooten, Jr., to Eastman Kodak Co. Composition comprising copolymers of methyl methacrylate and  $\alpha$ -methylstyrene with polymers of acrylic esters. 2,887,464, 5-19-59, Cl. 260-45.5.
- Coover, Harry W., Jr., and J. B. Dickey, to Eastman Kodak Co. Graft copolymers containing at least three components including acrylonitrile and a vinyl pyridine. 2,882,290, 4-14-59, Cl. 260-45.5.
- Coover, Harry W., Jr., and D. J. Shields, to Eastman Kodak Co. Polymerization process for preparing modified acrylonitrile polymers. 2,883,360, 4-21-59, Cl. 260-45.5.
- Coover, Harry W., Jr., and R. L. McConnell, to Eastman Kodak Co. Derivatives of 2,2-dimethyl-1,3-propanediol cyclic hydrogen phosphite. 2,899,455, 8-11-59, Cl. 260-461.
- Coover, Richard E., to K. Kusser. Brush holder for waxing and polishing machines. 2,898,616, 8-11-59, Cl. 15-49.
- Copas, James I. Traveling seal and paraffin scraper device. 2,893,493, 7-7-59, Cl. 166-170.
- Copeco Trailer Division, a division of Copeco Steel & Engineering Co.: See—
- Tenenbaum, Paul. 2,867,450.
- Cope, Appleton D., to Radio Corp. of America. Photoconductive device. 2,875,359, 2-24-59, Cl. 313-65.
- Cope, Appleton D., to Radio Corp. of America. Photoconductive type pickup tubes. 2,900,569, 8-18-59, Cl. 313-65.
- Cope, Arthur C. Production and recovery of furans. 2,917,520, 12-15-59, Cl. 260-347.8.
- Cope, Geoffrey W., to Symington Wayne Corp. Transition coupling. 2,907,475, 10-6-59, Cl. 213-112.
- Cope, F. Troy, and A. H. Vaughan, to The Electric Furnace Co. Muffle type furnace with movable sectional furnace shell. 2,885,197, 5-5-59, Cl. 263-41.
- Cope, John E., P. A. Segrave, and D. H. Fisher, to Pye Ltd. Television receivers. 2,875,277, 2-24-59, Cl. 178-7.3.
- Cope, Parker R., to Bendix Aviation Corp. Amplitude selective translation circuit. 2,878,326, 3-17-59, Cl. 197-171.
- Copeland, Jacob C. Reflecting and magnifying viewer. 2,883,908, 4-28-59, Cl. 88-29.
- Copeland, Paul L.: See—
- De Lany, Beatrice P., and Copeland. 2,902,618.
- Copeland Refrigeration Corp.: See—
- Buschmann, Oskar H. 2,895,072.
- Copeland, Robert D. Impeller pump, seal and wear ring. 2,869,471, 1-20-59, Cl. 103-111.
- Copeland, William M., and R. W. Mazzacane, to General Electric Co. Electric fan heater. 2,904,317, 9-15-59, Cl. 257-306.
- Copelin, Harry B., to E. I. du Pont de Nemours and Co. Stabilization of chlorinated hydrocarbons. 2,904,600, 9-15-59, Cl. 260-652.5.
- Copell, Daniel K. Mouthpiece. 2,883,991, 4-28-59, Cl. 131-207.
- Copen, Edward H. Method of making a multi-card carrier. 2,871,153, 1-27-59, Cl. 154-116.
- Copenhaver, John W.: See—
- Kwiatek, Jack, and Copenhaver. 2,882,313.
- Copenhaver, John W., to General Aniline & Film Corp. Polyalkoxyacetals or polyalkoxy ketals and the sulfur analogues. 2,912,468, 11-10-59, Cl. 260-609.
- Copenhaver, John W., and C. W. Weber, to The M. W. Kellogg Co. Production of organic phosphonyl halide. 2,882,305, 4-14-59, Cl. 260-543.
- Copenhaver, John W., and C. W. Weber, to The M. W. Kellogg Co. Production of organophosphorus compounds. 2,882,307, 4-14-59, Cl. 260-543.
- Copenhaver, John W., and J. Kwiatek, to The M. W. Kellogg Co. Production of organic phosphonyl halide. 2,882,310, 4-14-59, Cl. 260-543.
- Copenhaver, William G.: See—
- Spann, Edwin C., and Copenhaver. 2,881,118.
- Copenhaver, William G., to Phillips Petroleum Co. Apparatus for hydrolysis of aluminum chloride. 2,905,537, 9-22-59, Cl. 23-283.
- Copenhaver, John B., to Brown-Forman Distillers Corp. Film hanger. 2,889,759, 6-9-59, Cl. 95-100.
- Copes, Joseph P.: See—
- Mayhew, Raymond L., Copes, and Williams. 2,898,301.
- Coplan, Eli B. Snug fitting cover for a toilet seat lid. 2,910,705, 11-3-59, Cl. 4-242.
- Copland, George V.: See—
- Pyle, Edwin C., Northington, and Copland. 2,884,231.
- Copley, Harry, Jr.: See—
- Fain, Morton E., and Copley. 2,874,845.
- Copp, Belton A.: See—
- Schellens, Christopher A., and Copp. 2,908,515.
- Copp, Frederick C., to Burroughs Wellcome & Co. (U.S.A.) Inc. Treatment of nematodes with quaternary ammonium compounds. 2,918,401, 12-22-59, Cl. 167-30.
- Copp, Kenneth W.: See—
- Baden, Thomas A., Olson, Miller, and Copp. 2,907,406.
- Copp, Kenneth W., and L. J. Olson, to Donaldson Co., Inc. Air cleaner. 2,889,008, 6-2-59, Cl. 183-81.
- Coppin, Kenneth J., to E. K. Cole, Ltd. Digital motor position control system. 2,884,577, 4-28-59, Cl. 318-29.
- Copping, Bruce G., to Atkron, Inc. Four flap case opener. 2,915,868, 12-8-59, Cl. 52-351.
- Copping, Bruce G., to Atkron, Inc. Method of and apparatus for sorting articles such as cans. 2,916,133, 12-8-59, Cl. 198-30.
- Copping, Geoffrey P., T. R. Myers, and G. H. Smith, to Her Majesty's Postmaster General. Segregating apparatus. 2,895,610, 7-21-59, Cl. 209-98.
- Coppinger, Galvin M.: See—
- Breder, Irwin L., and Coppinger. 2,874,100.
- Coppock, Harold N., to General Motors Corp. Electric switch. 2,892,908, 6-30-59, Cl. 200-67.
- Coppola, Patrick P., to North American Phillips Co., Inc. Thermionic dispenser cathode. 2,899,592, 8-11-59, Cl. 313-346.
- Coppola, Richard J. Self seal-in A.C. operated relay. 2,890,393, 6-9-59, Cl. 317-156.
- Coppola, Richard J. Polarized A.C. operated relay. 2,913,639, 11-17-59, Cl. 317-156.
- Coquelet, Jules H., to Ateliers de Constructions Electriques de Charleroi. Generators for producing pulses of alternating current. 2,867,798, 1-6-59, Cl. 340-359.
- Corair, George R., and W. Z. Heldt, to E. I. du Pont de Nemours and Co. Process for the addition of HCN across the carbon to carbon double bond of an activated olefin. 2,904,581, 9-15-59, Cl. 260-465.4.
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- Corbeels, Theophile, and R. N. Marshall, to Western Electric Co., Inc. Apparatus for swaging flanges on tubular members. 2,877,675, 3-17-59, Cl. 78-17.
- Corbell, George S.: See—
- Anderson, Carl F., and Corbell. 2,916,550.
- Corben, Leo D., and E. A. Steigmann, to General Foods Corp. Photographic gelatin and process of producing same. 2,890,215, 6-9-59, Cl. 260-117.
- Corbett, Gerald M.: See—
- Cooper, Ronald H., and Corbett. 2,869,191.
- Cooper, Ronald H., and Corbett. 2,869,196.
- Corbett, Harold, to Package Machinery Co. Apparatus for plasticizing a solid particulate material for extruding or molding. 2,887,719, 5-26-59, Cl. 18-12.
- Corbett, John M.: See—
- Gordon, David A., and Corbett. 2,914,555.
- Corbett, Robert B., and W. J. O'Connor, to Arcweld Mfg. Co. Rotary heating device. 2,878,007, 3-17-59, Cl. 266-2.
- Corbin, Armand. Mobile lifting and conveying apparatus. 2,899,088, 8-11-59, Cl. 214-75.
- Corbin, Douglas T. Tire chain applying tool with position signaling means. 2,868,052, 1-13-59, Cl. 81-15.8.
- Corbin, Russel G., to General Motors Corp. Vehicle tail gate latch. 2,911,247, 11-3-59, Cl. 292-48.
- Corbin, Wesley S.: See—
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- Wisner, Isle R., Corbin, and Walden. 2,870,692.
- Corbin, Wesley S., C. M. Pearson, and H. Walden, to The Black-Clawson Co. Head box for paper making machines. 2,870,690, 1-27-59, Cl. 92-44.
- Corbin, Wesley S., and H. Walden, to The Black-Clawson Co. Broke removal unit for paper machinery. 2,888,073, 5-26-59, Cl. 162-255.
- Corbin, William A. Box kite. 2,873,077, 2-10-59, Cl. 244-153.
- Corbitt, Howard E., R. M. Hill, Jr., and D. H. Bozarth, to Aerojet-General Corp. Electrical device. 2,870,287, 1-20-59, Cl. 200-87.
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- Corcoran, James T.: See—
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- Corcoran, James T., and K. C. Peterson, to Standard Oil Co. Purification of dimethylterephthalate. 2,875,237, 2-24-59, Cl. 260-475.
- Corcoran, Laurence E. Hand or foot carried pulsating massaging device. 2,880,721, 4-7-59, Cl. 128-39.
- Corcoran, Leonard J. Transparent hot and cold insulating unit. 2,918,709, 12-29-59, Cl. 20-53.
- Cordell, E. F. Low pressure tire indicator. 2,882,363, 4-14-59, Cl. 200-61.26.
- Corderman, Sidney A., to McIntosh Laboratory, Inc. Amplifier. 2,886,655, 5-12-59, Cl. 179-171.



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- Cordis, Nat. Tube flexing pump. 2,897,767, 8-4-59, Cl. 103-149.
- Cordis, Nat. Straight line tape-type poultry feeder. 2,897,954, 8-4-59, Cl. 198-181.
- Cordis, Nat. Chick-viewing, heat-conserving hover. 2,909,152, 10-20-59, Cl. 119-31.
- Cordon, Theone C.: See—  
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- Córdova, José J. Apparatus for oxygenating, centrifuging and changing the temperature of blood. 2,876,769, 3-10-59, Cl. 128-214.
- Cordrey, Richard N., to The National Supply Co. Separable housing for drilling rigs and clutch mechanisms. 2,891,768, 6-23-59, Cl. 254-187.
- Cordry, David D., to The Trane Co. Refrigeration load calculator. 2,869,787, 1-20-59, Cl. 235-61.
- Corduroy Rubber Co.: See—  
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- Core Laboratories, Inc.: See—  
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- Corey, Flournoy. Poultry processing equipment. 2,872,699, 2-10-59, Cl. 17-11.1.
- Corey, Flournoy and F. C., and R. D. Pitts, to Pickwick Co. Poultry processing equipment. 2,869,172, 1-20-59, Cl. 17-11.1.
- Corey, Frank J., to Raytheon Mfg. Co. Lead-in bushings. 2,868,868, 1-13-59, Cl. 174-153.
- Corey, Frank J., to Raytheon Mfg. Co. Lead-in bushings. 2,868,868, 1-13-59, Cl. 174-153.
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- Pitts, Robert D., and Corey. 2,896,249.
- Corey, Ronald D. Incinerator. 2,883,947, 4-28-59, Cl. 110-18.
- Corhanidis, Sebastian S. Refrigerating means. 2,872,792, 2-10-59, Cl. 62-419.
- Corhanidis, Sebastian S. Detachable refrigerating unit. 2,914,927, 12-1-59, Cl. 62-429.
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- Cork, Gordon H.: See—  
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- Walker, James R. 2,881,402.
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- Corkum, Howard D., to The American Thread Co. Sewing thread and method of treating. 2,888,365, 5-26-59, Cl. 117-76.
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- Corlet, Gabriel F., to Societe d'Application des Gaz, Produits Rouliers et Matériaux. Stoves and like apparatus using liquefied gas. 2,890,815, 6-16-59, Cl. 222-5.
- Corley, Buren L. Hip boot with hand receiving pocket structure. 2,908,982, 10-20-59, Cl. 36-1.
- Corley, Charles B., Jr.: See—  
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- Corley, Charles B., Jr., and J. W. Kenneday, to Jersey Production Research Co. Permanent well completion apparatus. 2,906,343, 9-29-59, Cl. 166-115.
- Corley, John T., Jr. Cellar pipe. 2,919,072, 12-29-59, Cl. 239-280.
- Corman, Julian, to Grain Processing Corp. Microbiological fermentation process. 2,910,410, 10-27-59, Cl. 195-81.
- Cormia, Keith C., to General Electric Co. Electron discharge device assembly apparatus. 2,907,367, 10-6-59, Cl. 153-21.
- Cormier, Alban B. Safety device for electric wall sockets. 2,878,456, 3-17-59, Cl. 339-44.
- Cormier, Barbara C.: See—  
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- Cormier, Ulysses J. Clothes rack. 2,916,160, 12-8-59, Cl. 211-105.
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- Hobbs, Kenneth C. 2,884,347.
- Kerr, Ralph W. 2,903,391.
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- Morris, Leo, and Wilson. 2,882,265.
- Paschall, Eugene F. 2,876,217.
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- Paschall, Eugene F. 2,914,526.
- Paschall, Eugene F., and Katzbeck. 2,891,947.
- Wilson, Alexander L. 2,899,307.
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- Minkema, William H. 2,868,780.
- Schoch, Thomas J., and Spencer. 2,876,160.
- Watson, Stanley A., and Williams. 2,868,778.
- Cornell, Ernest R. Flexible tube fluid measuring and controlling device. 2,898,859, 8-11-59, Cl. 103-37.
- Cornell, Hampton G.: See—  
Andrews, Jack M., Cornell, Peet, and Roquemore. 2,881,129.
- Cornellison, Boyd, to Texas Instruments Inc. Method for producing single-crystal semiconductor material. 2,907,715, 10-6-59, Cl. 252-62.3.
- Cornellison, Boyd, to Texas Instruments Inc. Point contact semiconductor device. 2,919,387, 12-29-59, Cl. 317-235.
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- Cornelius, Gall, to R. M. Wade & Co. Self locking latch means for pipe line couplers. 2,879,082, 3-24-59, Cl. 285-6.
- Cornelius, George W., to Holley Carburetor Co. Fuel shut-off apparatus. 2,868,182, 1-13-59, Cl. 123-97.
- Cornelius, George W. Device for teaching basic arithmetic. 2,875,529, 3-3-59, Cl. 35-32.
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- Cornelius, Richard T. Beverage cooler and dispenser. 2,871,675, 2-3-59, Cl. 62-258.
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- Cornelius, Richard T. Wobble pumps. 2,887,059, 5-19-59, Cl. 103-5.
- Cornelius, Richard T. Liquid dispensing apparatus. 2,899,170, 8-11-59, Cl. 251-122.
- Cornellusson, Karl G. E., L. R. Damm, N. D. Landqvist, B. G. Linnarson, and N. G. Svansson, to Rydboholms Aktiebolag. Method and means in looms for holding the weft end of a bobbin to be introduced into the shuttle. 2,892,470, 6-30-59, Cl. 139-257.
- Cornell Aeronautical Laboratory, Inc.: See—  
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- Cornell, Arthur A., J. V. Dunbar, and J. H. Ruffner, to United States of America, Atomic Energy Commission. Welding method. 2,906,852, 9-29-59, Cl. 219-61.
- Cornell-Dubilier Electric Corp.: See—  
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- Dubilier, William. 2,884,605.
- Dubilier, William. 2,910,764.
- Dubilier, William. 2,913,647.
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- Frekko, Eugene F. 2,893,410.
- Frekko, Eugene F. 2,908,886.
- Steinbarge, Wayne L. 2,871,416.
- Cornell, Dudley E., III. Gear change indicator. 2,879,940, 3-31-59, Cl. 235-103.5.
- Cornell, Edward S., Jr., to Burndy Corp. Multiple connector. 2,903,668, 9-8-59, Cl. 339-63.
- Cornell, George W., to W. E. Cornell, Jr. Mail or like box. 2,873,062, 2-10-59, Cl. 232-17.
- Cornell, Mead, to Griffin, Cornell Co. Apparatus for homogenizing and degasifying flowable materials. 2,908,346, 10-13-59, Cl. 153-25.
- Cornell, Merrill E.: See—  
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- Cornell Paperboard Products Co.: See—  
Schwebs, Robert K. 2,911,775.
- Wenzel, Frederick A. 2,890,791.
- Cornell Research Foundation, Inc.: See—  
Cornell, Suzanne H.: See—  
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- Cornell, W. Elder, Jr.: See—  
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- Cornett, Boyd D. Cleaning and polishing machine. 2,907,059, 10-6-59, Cl. 15-21.
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- Cornett, Ray H.: See—  
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- Cornfield, Albert E., and L. B. Witten, to The British Petroleum Co. Ltd. Catalyst regeneration. 2,904,519, 9-15-59, Cl. 252-420.
- Cornillaud, Jack T., to General Motors Corp. Brake adjusting device. 2,918,146, 12-22-59, Cl. 188-78.
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Argyle, Leroy C. 2,902,002.
- Bickford, Fred A., and Smith. 2,887,394.
- Blanding, Wendell S., and Zimar. 2,880,697.
- Bossard, Albert G. 2,919,209.
- Claussen, Walter F. 2,893,895.
- Claypoole, Stewart A. 2,889,952.
- Davis, James K. 2,915,730.
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- Hyde, James F. 2,877,139.
- Kelm, Everett F. 2,877,330.
- Lanning, John G. 2,910,664.
- Martuscello, Peter J., and Stiermer. 2,880,551.
- Mitchell, George E. 2,886,335.
- Nordberg, Martin E. 2,908,538.
- Randels, Robert B. 2,875,387.
- Riggs, Theodore K. 2,876,374.
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- Sheldon, John L. 2,886,730.
- Stockey, Stanley D. 2,911,749.
- Swenson, Theodore J. 2,911,345.
- Watkins, George E., and Pond. 2,893,542.
- White, Harvey J. 2,886,366.
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- Cornish, Eugene S., and D. E. Stark, to George E. Failing Co. Electrical well-logging apparatus. 2,915,696, 12-1-59, Cl. 324-1.
- Cornish Wire Co., Inc.: See—  
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- Cornu, Marcel: See—  
Flatet, Jacques, and Cornu. 2,899,523.
- Cornwall, Lionel P. Vehicle sway control and overload system. 2,896,964, 7-28-59, Cl. 280-104.5.
- Cornwell, Carlyle S. Building structures. Re. 24,723, 10-20-59, Cl. 20-1.6.
- Cornwell, Earl D.: See—  
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- Cornwell, John J., to G. C. Jenkins. Predetermined torque release wrench. 2,912,889, 11-17-59, Cl. 81-52.4.
- Cornwell, John W., M. L. Haselton, and E. L. Schmidt, to The Teleregister Corp. Data storage and reservation system for travel accommodations. 2,883,106, 4-21-59, Cl. 235-61.6.
- Coro of Rhode Island, Inc.: See—  
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- Corrado, Ernest M., A. Ross, and L. E. Spanbauer. Hair curler. 2,904,051, 9-15-59, Cl. 132-40.
- Corrado, Victor M.: See—  
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- Correc, Henri, to Societe des Forges et Ateliers du Creusot. Device for the control of the breech of a double-barrelled gun. 2,870,680, 1-27-59, Cl. 89-17.
- Correll, John T., to The Upjohn Co. Rodenticide. 2,900,302, 8-18-59, Cl. 167-46.
- Correll, Robert J. Support for an ash tray and other receptacles. 2,902,171, 9-1-59, Cl. 211-78.
- Correll, Weldon R. Water skier launching apparatus. 2,883,684, 4-28-59, Cl. 9-21.
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- Corren, Sidney A. Electrolyte for electrochemical cells. 2,919,216, 12-29-59, Cl. 136-155.
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- Corrigan, Harold A. Audible-visual intercommunication system. 2,892,033, 6-23-59, Cl. 179-1.
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- Corsets Silhouette Ltd.: See—  
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- Corsi, Luigi: See—  
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- Corson, Bayard R., to Westinghouse Electric Corp. Cathode ray deflection systems. 2,917,660, 12-15-59, Cl. 315-27.
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- Cortegiani, Alberto. Process and apparatus for the continuous centrifugal separation of liquids from substances of higher density. 2,874,897, 2-24-59, Cl. 233-17.
- Cortese, Vincent J., to United States of America, Army. Oscillator output circuit. 2,884,526, 4-28-59, Cl. 250-36.
- Corthals, Auguste R. Servo-controlled profiling apparatus for use with machine tools. 2,891,436, 6-23-59, Cl. 82-14.
- Cortiss, Warren W.: See—  
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- Cortner, Howard M. Canned food extractor. 2,873,521, 2-17-59, Cl. 30-124.
- Corwin, Harold E., to The Diamond Match Co. Molded fiber support for container carrier. 2,888,164, 5-26-59, Cl. 220-106.
- Corwin, James F.: See—  
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- Corwin, Jerome, M. F. Roseman, A. Santilli, and H. Stein, to United States of America, Army. Automatic data conversion system. 2,907,997, 10-6-59, Cl. 340-347.
- Corwin, John F., to Koppers Co., Inc. Urea-formaldehyde gap-filling adhesive. 2,873,260, 2-10-59, Cl. 260-17.3.
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- Corwin, Merton D., to The Baldwin Piano Co. Piano abstract and assembly. 2,873,638, 2-17-59, Cl. 84-243.
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- Karlen, Harvey R. 2,870,318.
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- Peters, Herbert W. 2,868,178.
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- Cosby, James R., and R. S. Wolf, to Bendix Aviation Corp. Multicircuit baroswitch. 2,886,667, 5-12-59, Cl. 200-81.4.
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- Cosgrove, Stanley L., and J. M. Duffin, to Shell Development Co. Gasoline compositions. 2,891,850, 6-23-59, Cl. 44-72.
- Coshman, John E.: See—  
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- Coskun, Mehmet K., to American Steel Foundries. Hand brake arrangement. 2,876,869, 3-10-59, Cl. 188-204.
- Cosley, James C. Steering mechanism for four-wheel trailer. 2,885,218, 5-5-59, Cl. 280-103.
- Coslow, Carl W., to Pendleton Tool Industries, Inc. Worm locking means for adjustable jaw wrench. 2,905,037, 9-22-59, Cl. 81-165.
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- Cosmopolitan Chemical Co., Inc.: See—  
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- Costantino, Steve J.: See—  
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- Costas, John P., to General Electric Co. Signal processing arrangement. 2,868,981, 1-13-59, Cl. 250-36.
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- Costello, Don A., to Ottawa Silica Co. Weighing device. 2,880,957, 4-7-59, Cl. 249-60.
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Lavin, Edward, and Cote. 2,917,416.  
Cote, Omer E., to U.S. Automatic Box Machinery Co., Inc. Vacuum box blank feeder mechanism. 2,879,994, 3-31-59, Cl. 271—11.  
Cote, Raymond E. Combined seat and easel supporting structure. 2,918,107, 12-22-59, Cl. 155—2.  
Cote, Wilfrid. Line cover dispensing device. 2,882,661, 4-21-59, Cl. 53—17.7.  
Cotesworth, Harry A., to The Cleveland Crane & Engineering Co. Overhead monorail system. 2,887,067, 5-19-59, Cl. 104—10.2.  
Cotesworth, Harry A., to The Cleveland Crane & Engineering Co. Overhead monorail system and track switch therefor. 2,887,068, 5-19-59, Cl. 104—10.2.  
Cotesworth, Harry A., and F. W. Dunning, to The Cleveland Crane & Engineering Co. Material handling apparatus. 2,915,332, 12-1-59, Cl. 294—88.  
Cotter, Robert H., to Endeveco Corp. Adjustable admittance unit. 2,903,633, 9-8-59, Cl. 317—24.9.  
Cotman, Lawrence. Cleaning device. 2,896,241, 7-28-59, Cl. 15—18.4.  
Cotman, Lawrence. Cleaning device. 2,908,929, 10-20-59, Cl. 15—18.5.  
Cotman, Val, Jr., to The R-W Mfg. Co. Piper support. 2,903,017, 9-8-59, Cl. 138—65.  
Cotner, Basil U.: See—  
Park, Orrin J., and Cotner. 2,896,671.  
Park, Orrin J., and Cotner. 2,918,944.  
Cotsworth, Albert, III, to Zenith Radio Corp. Signal-translating apparatus. 2,904,627, 9-15-59, Cl. 178—5.8.  
Cotta, Ralph L., to Barber-Colman Co. Hob shifting mechanism. 2,906,178, 9-29-59, Cl. 90—4.  
Cottam, Eric: See—  
Speake, George D., Scanlan, and Cottam. 2,884,602.  
Cottar, Allen B.: See—  
Cottar, Robert. 2,898,688.  
Cottar, Robert, to A. B. Cottar. Marking device. 2,898,688, 8-11-59, Cl. 33—18.9.  
Cotter, George H., to Westinghouse Electric Corp. Electrode coating process and apparatus. 2,833,306, 4-21-59, Cl. 117—20.5.  
Cotter, George L., to Westinghouse Air Brake Co. Combined pneumatic and electro-pneumatic brake control apparatus. 2,897,011, 7-28-59, Cl. 303—16.  
Cotter, George L., and W. B. Jeffrey, to Westinghouse Air Brake Co. Load-controlled fluid pressure brake apparatus. 2,919,165, 12-29-59, Cl. 303—23.  
Cottle, Delmer L.: See—  
Minckler, Leon S., Jr., Cottle, and Lemiszka. 2,918,456.  
Morway, Arnold J., Seelbach, and Cottle. 2,901,432.  
Cottle, Delmer L., D. W. Young, A. J. Morway, and P. V. Smith, Jr., to Esso Research and Engineering Co. Mercaptans of long chain hydrocarbon aldehydes and long chain hydrocarbon mercaptans. 2,874,192, 2-17-59, Cl. 260—60.9.  
Cottle, Francis M., 1/4 to M. Richtel. Adjustable chair. 2,917,104, 12-15-59, Cl. 155—88.  
Cottle, Francis M., 1/4 to L. Boro. Model aircraft control. 2,913,243, 11-17-59, Cl. 272—31.  
Cottle, Francis M., Jr., 1/4 to L. Boro. Model aircraft control. 2,913,244, 11-17-59, Cl. 272—31.  
Cottle, John E.: See—  
Adams, Loyd W., and Cottle. 2,901,403.  
Cottle, John E., to Phillips Petroleum Co. Ammonia storage and recovery system. 2,878,165, 3-17-59, Cl. 202—39.5.  
Cottle, John E., to Phillips Petroleum Co. Production of para-xylene. 2,890,252, 6-9-59, Cl. 260—66.8.  
Cottle, John E., to Phillips Petroleum Co. Method of and apparatus for controlling catalytic processes. 2,908,734, 10-13-59, Cl. 260—68.3.15.  
Cottle, John E., to Phillips Petroleum Co. Polymerization catalyst recovery. 2,914,518, 11-24-59, Cl. 260—94.9.  
Cotton, Edward A., and W. H. Smith, to Cottonsmith Furniture Mfg. Co., Inc. Sewing machine cabinet. 2,887,350, 5-19-59, Cl. 312—29.  
Cotton, James F.: See—  
Waddle, Howard M., Cotton, and Hudson. 2,870,041.  
Cotton, Kenneth C.: See—  
Ipsen, Peter G., and Cotton. 2,888,094.  
Cotton, Michael B., to The Sperry Gyroscope Co. Ltd. Gyroscopic apparatus. 2,880,617, 4-7-59, Cl. 74—5.47.  
Cotton, Robert B., and C. J. Daniels, to All American Engineering Co. Aircraft overrun barrier. 2,872,136, 2-3-59, Cl. 244—110.  
Cotton, William, Ltd.: See—  
Start, Ernest, and Blood. 2,873,593.  
Start, Ernest, and Brown. 2,899,811.  
Winfield, Denis, and Start. 2,897,664.  
Cottoningim, Willard C. Combined bird bath and feeding station. 2,887,988, 5-26-59, Cl. 119—51.  
Cottonsmith Furniture Mfg. Co., Inc.: See—  
Cotton, Edward A., and Smith. 2,887,350.  
Cottrell Co., The: See—  
Johnson, Thomas H., and Mueller. 2,915,007.  
Luehrs, Hans J. 2,906,204.  
Ziebell, Theodore R. 2,893,319.  
Cottrell, Robert B., to American Steel Foundries. Bolster stabilizer. 2,877,721, 3-17-59, Cl. 105—200.  
Cottrell, Robert B., to American Steel Foundries. Snubber. 2,882,040, 4-14-59, Cl. 267—99.  
Cottrell, Robert B., to American Steel Foundries. Railway car truck conversion method. 2,898,870, 8-11-59, Cl. 105—197.  
Cottrell, William R. Golf training device. 2,891,796, 6-23-59, Cl. 273—18.9.  
Cotts, Louis C. Floor register with adjustable louvers. 2,901,961, 9-1-59, Cl. 98—103.  
Coty, Fred P. Rocket motor. 2,887,844, 5-26-59, Cl. 60—35.6.  
Coty, Inc.: See—  
Croce, Santy M. 2,868,586.  
Croce, Santy M., and Solomon. 2,879,548.  
Couch, Earle W., and E. T. Candee, to The Lea Mfg. Co. Packaged butting compound. 2,904,419, 9-15-59, Cl. 51—29.5.  
Couch, Glenn F., to The Symington-Gould Corp. Quick wheel change truck. 2,871,801, 2-3-59, Cl. 105—197.  
Couch, Glenn F., to The Symington-Gould Corp. Brake beam supports. 2,873,823, 2-17-59, Cl. 188—209.  
Couch, Glenn F., to Symington Wayne Corp. Snubbed railway trucks. 2,883,944, 4-28-59, Cl. 105—197.  
Couch, Glenn F., to Symington Wayne Corp. Journal box lid. 2,900,212, 8-18-59, Cl. 308—47.  
Couch, Glenn F., to Symington Wayne Corp. Draft rigging. 2,906,414, 9-29-59, Cl. 218—8.  
Couch, Joe T. Automobile drag link adjuster. 2,878,030, 3-17-59, Cl. 280—95.  
Couchot, Orville F. Safety valve for a plumbing fixture. 2,888,942, 6-2-59, Cl. 137—99.  
Coudray, Michael A.: See—  
Houdry, Eugene J., Eriksson, and Coudray. 2,898,202.  
Couffer, Robert W., Jr.: See—  
Rimsha, Victor E., and Couffer. 2,893,425.  
Coughlin, Joseph E., 20% to H. J. Nichols. Automatic switching apparatus. 2,895,057, 7-14-59, Cl. 307—10.  
Coughlin, William B. Valve installation and attachment. 2,881,011, 4-7-59, Cl. 284—18.  
Cougard, Jérôme. Double acting delonizing device for aerial electric lines. 2,914,602, 11-24-59, Cl. 174—140.  
Cougoul, Henri. Loose-leaf binder. 2,875,767, 3-3-59, Cl. 129—17.  
Coulon, Edward I.: See—  
Krol, Stanley J., and Coulon. 2,914,745.  
Coulson, Gordon R., to Can Amera Oil Sands Development Ltd. Extraction of oil from oil shales and like oil bearing material. 2,911,349, 11-3-59, Cl. 208—11.  
Coulson, Gordon R., and L. Clark, to Can-Amera Oil Sands Development Ltd. Recovery of oil from oil bearing sands. 2,885,339, 5-5-59, Cl. 208—11.  
Coulson, Robert B., to English Electric Valve Co. Ltd. Traveling wave amplifier tubes. 2,882,441, 4-14-59, Cl. 315—3.6.  
Coults, Wilbur J., to Deere & Co. Hitch for series-connected implements. 2,870,852, 1-27-59, Cl. 180—14.  
Coults, Wilbur Jr., to Deere & Co. Hitch and drive means for tractor-implement train. 2,906,079, 9-29-59, Cl. 66—25.  
Coults, Wilbur J., to Deere & Co. Deflector means for crop conditioner. 2,915,869, 12-8-59, Cl. 56—1.  
Coults, Wilbur J., to Deere & Co. Windrowing means for crop conditioner. 2,918,776, 12-29-59, Cl. 56—192.  
Coulter, Albert L. Hand-choke conversion unit. 2,893,419, 7-7-59, Cl. 137—270.  
Coulter, Albert W., Jr.: See—  
Park, Arthur, and Coulter. 2,877,180.  
Coulter, Earl E., to The Babcock & Wilcox Co. Cyclone steam and water separator with whirl chamber cage in mixture inlet chamber. 2,891,632, 6-23-59, Cl. 183—85.  
Coulter, Earl E., to The Babcock & Wilcox Co. Method of washing high pressure steam. 2,895,566, 7-21-59, Cl. 183—121.  
Coulter Electronics, Inc.: See—  
Coulter, Wallace H., and J. R., Jr. 2,869,078.  
Coulter, Joseph R., Jr.: See—  
Coulter, Wallace H., and J. R., Jr. 2,869,078.  
Coulter & McKenzie Machine Co., Inc., The: See—  
Lewis, Thomas E., Jr. 2,863,474.  
Lewis, Thomas E., Jr. 2,893,654.  
Lewis, Thomas E., Jr., and Zaveruha. 2,863,268.  
Coulter, Samuel T., and V. H. Townley, to Regents of the University of Minnesota. Method and apparatus for spray drying. 2,887,390, 5-19-59, Cl. 99—109.  
Coulter, Wallace H., and J. R., Jr., to Coulter Electronics, Inc. Fluid metering apparatus. 2,869,078, 1-13-59, Cl. 324—71.  
Coultrap, Keith H.: See—  
Parker, Earl E., and Coultrap. 2,911,379.

- Counihan, Richard G., to International Business Machines Corp. Magnetic core current driver. 2,902,677, 9-1-59, Cl. 340—174.  
Counter Balance, Inc.: See—  
Turner, Alonzo R. 2,903,149.  
County Commercial Cars Ltd.: See—  
Tapp, Ernest T. J., and Davey. 2,882,984.  
Tapp, Ernest T. J., and Davey. 2,918,131.  
County Laboratories Ltd.: See—  
Atkins, Herbert A. 2,915,225.  
Couper, Alistair S., N. Stein, and J. A. Bowman, to Standard Oil Co. 1,2-dimethyl-4-ethylbenzene production. 2,904,604, 9-15-59, Cl. 260—66.8.  
Couper, John R. Pistol holster. 2,893,615, 7-7-59, Cl. 224—2.  
Coupez, Maurice: See—  
Pinte, Jules, Coupez, and Rochas. 2,893,892.  
Courant, Ernest D., H. S. Snyder, and M. S. Livingston, to United States of America. Atomic Energy Commission. High energy particle accelerator. 2,882,366, 4-14-59, Cl. 250—27.  
Courchesne, Joseph N. Wheel and tire construction. 2,871,906, 2-3-59, Cl. 142—418.  
Courcier, Louis K., and G. Ferguson, Jr. Adjustable mounting fixture. 2,910,291, 10-27-59, Cl. 269—134.  
Coursen, David L., to E. I. du Pont de Nemours and Co. Surface wave generator. 2,887,052, 5-19-59, Cl. 102—22.  
Coursey, Ralph W. Storage system. 2,874,822, 2-24-59, Cl. 198—83.  
Coursey, Ralph W. Parking system. 2,874,857, 2-24-59, Cl. 214—16.1.  
Coursey, Ralph W. Mass storage system. 2,916,168, 12-8-59, Cl. 214—16.1.  
Coursion, Iler C., to Philco Corp. Cabinet door safety apparatus. 2,888,889, 6-2-59, Cl. 109—63.5.  
Court, Kenneth: See—  
Robinson, James, and Court. 2,918,902.  
Court, Patrick R. J., to Sylvania Electric Products, Inc. Television receiver. 2,877,300, 3-10-59, 178—7.5.  
Courtauld Ltd.: See—  
Barratt, Harold, Forrester, and Wilson. 2,896,946.  
Bennett, Albert W., and Furness. 2,904,391.  
Bunting, James W., and Martin. 2,904,650.  
Dahl, George C., Wise, and Wharton. 2,902,391.  
Eldlow, Alan J., Markowicz, and Morgan. 2,870,595.  
Ratcliffe, Charles B., and Wise. 2,888,369.  
Sharples, Edwin H. 2,867,496.  
Warmell, Robert L. 2,897,044.  
Courtier, Armand J., to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey. Method of making melamine. 2,868,789, 1-13-59, Cl. 260—249.7.  
Courtier, Armand J., to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey. Separation and purification of anhydrides of organic diacids. 2,893,924, 7-7-59, Cl. 202—42.  
Courtney, John S. Diaper pin. 2,897,565, 8-4-59, Cl. 24—157.  
Courtney, Joseph F., and A. C. Radtke, to International Harvester Co. Filament drawing mechanism. 2,885,257, 5-5-59, Cl. 18—54.  
Courtney, Orley R.: See—  
Courtney, Ray W., and O. 2,905,001.  
Courtney, Ray W., and O. R. 2,913,255.  
Courtney, Ray W., and O. R. Engine self-starter. 2,905,001, 9-22-59, Cl. 74—8.  
Courtney, Ray W., and O. R. Motorcycle front wheel suspension and steering arrangement. 2,913,255, 11-17-59, Cl. 280—277.  
Courtot, Louis B., to The Weatherhead Co. Nut locking mechanism with threaded pawl manipulating sleeve. 2,898,963, 8-11-59, Cl. 151—10.  
Courtot, Louis B., to The Weatherhead Co. Valve seal. 2,900,999, 8-25-59, Cl. 137—516.25.  
Courtright, William R., 1/4 to P. MacFadyen. Bolt carrying artificial lures. 2,887,815, 5-26-59, Cl. 43—42.  
Couse, Kibbey W., to Couse Mfg., Inc. Electrical machines and change-over plates therefor. 2,874,317, 2-17-59, Cl. 310—71.  
Couse, Kibbey W., and R. D. Keehn, to Couse Mfg. Inc. Boat canopy. 2,873,751, 2-17-59, Cl. 135—6.  
Couse, Kibbey W., and R. M. Sutphen, to Couse Mfg., Inc. Detachable hinge construction. 2,882,564, 4-21-59, Cl. 20—92.  
Couse, Kibbey W., and R. D. Keehn, to Couse Mfg., Inc. Expandable building structure. 2,904,850, 9-22-59, Cl. 20—2.  
Couse Mfg., Inc.: See—  
Couse, Kibbey W. 2,874,317.  
Couse, Kibbey W., and Keehn. 2,873,751.  
Couse, Kibbey W., and Keehn. 2,904,850.  
Couse, Kibbey W., and Sutphen. 2,882,564.  
Cousen, Frank: See—  
Wynne, Hubert C., and Cousen. 2,883,799.  
Cousino, Bernard A., to Browning Research Corp. Tape feeding apparatus for magnetic sound recording and reproducing mechanisms. 2,911,215, 11-3-59, Cl. 271—2.18.  
Cousino, Walter F. Method of making a laminated bearing. 2,909,832, 10-27-59, Cl. 29—149.5.  
Cousins, Boyd E. Mounting for mirrors and the like. 2,893,666, 7-7-59, Cl. 248—28.  
Cousins, Boyd E. Mirror mounting bracket. 2,903,210, 9-8-59, Cl. 248—28.  
Coussement, Fernand: See—  
Leprince, Pierre, Coussement, and Limido. 2,899,473.  
Cousteau, Jacques Y.: See—  
Gagnan, Emile, and Cousteau. 2,886,033.  
Gruget, André, Cousteau, and Gagnan. 2,918,061.  
Coutermarsh, Louis E., to Aladdin Industries, Inc. Radio frequency tuner having fine tuning means. 2,872,824, 2-10-59, Cl. 74—10.6.  
Coutermarsh, Louis E., and F. G. Mason, to Aladdin Industries, Inc. Capacitive contactor tuner for very high radio and television frequencies. 2,868,984, 1-13-59, Cl. 250—40.  
Contras, Alexander, to American Cyanamid Co. Synthetic resinous composition, process of impregnating therewith and product thereof. 2,867,600, 1-6-59, Cl. 260—29.  
Contras, Alexander, and I. H. Updegraff, to American Cyanamid Co. Composition comprising melamine-aldehyde, alkyl-D-glucoside and dicarbamate compound. 2,867,590, 1-6-59, Cl. 260—17.3.  
Coutts, Charles A., to Charleston Rubber Co. Inflatable inspection device. 2,885,892, 5-12-59, Cl. 73—159.  
Coutu, Albert J. Folding aid. 2,905,367, 9-22-59, Cl. 223—37.  
Couture, Clara M.: See—  
Couture, Wilfrid J. 2,869,269.  
Couture, Wilfrid J., deceased, by C. M. Couture, administratrix, to Olin Mathieson Chemical Corp. Safety mechanism for firearms. 2,869,269, 1-20-59, Cl. 42—70.  
Cova, Fedeles, S. De Amicis, and C. Casareni, to Cementir Cementeire Del Tirreno S.p.A. Cooling devices for the cement clinkers. 2,904,323, 9-15-59, Cl. 263—32.  
Coval, Arthur B.: See—  
Lee, Arthur L., and Coval. 2,915,146.  
Covault, Darrell W., and L. C. Polindexter. Electric furnace. 2,919,338, 12-29-59, Cl. 219—34.  
Covely, Frank D., 3rd, to Radio Corp. of America. Apparatus for and method of counting perturbations in a field. 2,907,519, 10-6-59, Cl. 235—92.  
Coven, Murray, and F. T. Wiehl. Tire chain. 2,898,968, 8-11-59, Cl. 152—236.  
Coven, Warren B., to The General Industries Co. Drive mechanism for record players. 2,884,795, 5-5-59, Cl. 74—200.  
Cover, Martin L. Method and apparatus for separating usable particles from collecting liquid. 2,913,116, 11-17-59, Cl. 210—73.  
Cover, Martin L. Valve structure and method of installation. 2,913,220, 11-17-59, Cl. 251—328.  
Cover, Ralph. Mill for grinding green corn. 2,878,847, 3-24-59, Cl. 146—182.  
Cover, Ralph. Pump. 2,880,679, 4-7-59, Cl. 103—126.  
Covert, Calvin C.: See—  
Berninger, Kenneth L., Skinner, and Covert. 2,916,094.  
Covey, Gordon W., to The W. J. Fitzpatrick Co. Method of preparing meat products. 2,907,662, 10-6-59, Cl. 99—187.  
Coviello, Anthony R. Agricultural implement particularly a reversible plow, and support vehicle therefor. 2,900,033, 8-18-59, Cl. 172—212.  
Covitt, Jack G., to International Harvester Co. Core box with sectional mold construction. 2,901,792, 9-1-59, Cl. 22—13.  
Cowan, Ben. Agitator for pulp stock tanks. 2,869,841, 1-20-59, Cl. 259—96.  
Cowan, Ben and E. Rotary pulp screens. 2,899,064, 8-11-59, Cl. 210—219.  
Cowan, David M. Extensible water supply means for a rock drill. 2,868,508, 1-13-59, Cl. 255—49.  
Cowan, David M., to Joy Mfg. Co. Work engaging support for a rock drill. 2,879,034, 3-24-59, Cl. 255—45.  
Cowan, Elijah: See—  
Cowan, Ben and E. 2,899,064.  
Cowan, George A., to United States of America, Atomic Energy Commission. Salicylate process for thorium separation from rare earths. 2,901,496, 8-25-59, Cl. 260—429.1.  
Cowan, Gerald de G., R. Laurensen, and P. R. Van Hemert, to Sperry Products, Inc. Rail flaw detector mechanism. 2,889,514, 6-2-59, Cl. 324—37.  
Cowan, Harold W.: See—  
Marshall, James W., and Cowan. 2,897,499.  
Cowan, Harold W., to Hoffman Electronics Corp. Multichannel antenna couplers or the like. 2,907,963, 10-6-59, Cl. 333—82.  
Cowan, James C., R. F. Sanders, and R. D. Shelton, to Columbia-Southern Chemical Corp. Removal of water from halogenated hydrocarbons. 2,877,276, 3-10-59, Cl. 260—654.  
Cowan, John C.: See—  
Gast, Lyle E., Cowan, and Teeter. 2,873,255.  
Teeter, Howard M., Danzig, and Cowan. 2,901,495.  
Cowan, John C., and H. M. Teeter, to United States of America, Agriculture. Coating compositions. 2,901,469, 8-25-59, Cl. 260—91.1.  
Cowan, Rael. Figure building puzzle. 2,886,324, 5-12-59, Cl. 273—157.  
Cowan, Tyson G., to R. M. Magnuson, deceased; G. I. Magnuson, executrix. Control circuit for filling of containers. 2,870,585, 1-27-59, Cl. 53—59.  
Cowan, Willard R., to Aeroquip Corp. Pressure testing adaptor. 2,902,297, 9-1-59, Cl. 285—88.



- Cowdery, Roger K.: See—  
King, Donald E., and Cowdery. 2,882,477.  
Cowell, Earl J.: See—  
McQuin, Clarence F. 2,888,225.  
Cowell, Ishmael L.: Collapsible life preserver. 2,890,467, 6-16-59, Cl. 9—17.  
Cowen, Richard G., to United States of America, Atomic Energy Commission. Impedance alarm system. 2,907,017, 9-29-59, Cl. 340—358.  
Cowger, Charles E.: See—  
Holberg, Arnold J., and Cowger. 2,890,967.  
Cowgill, Edward F.: Orthopedic foot drop brace. 2,874,690, 2-24-59, Cl. 128—80.  
Cowherd, Robert D.: Pneumatic control. 2,902,055, 9-1-59, Cl. 137—625.20.  
Cowherd, Robert D.: Instantaneously acting pneumatic timer. 2,904,073, 9-15-59, Cl. 137—620.  
Cowles, John H.: See—  
White, Robert H., Cowles, and Clark. 2,894,791.  
Cowles, John H., R. H. White, and S. F. Clark, to The Torrington Co.: Method of making roller bearings. 2,897,581, 8-4-59, Cl. 29—148.4.  
Cowles, Raymond H., to The General Tire and Rubber Co.: Interlocking assembly. 2,876,455, 3-10-59, Cl. 16—42.  
Cowles, Robert J., to Quality Components, Inc.: Resistor. 2,899,665, 8-11-59, Cl. 338—325.  
Cowles, Warren H.: See—  
Goetsch, Earl G., and Cowles. 2,896,652.  
Stroh, George B., and Cowles. 2,879,643.  
Cowley, William E., to American Saw and Tool Co.: Drill elements. 2,886,081, 5-12-59, Cl. 145—125.  
Cowley, William E., to American Saw and Tool Co.: Workholder. 2,895,513, 7-21-59, Cl. 143—52.  
Cowley, William E., to American Saw and Tool Co.: Burning blade. 2,903,782, 9-15-59, Cl. 29—103.  
Cowley, William E., and W. M. McCord, Jr., to American Saw and Tool Co.: Jointer-planer blade. 2,904,086, 9-15-59, Cl. 144—229.  
Cox, Anna P. M., A. H. Hoekstra, and P. Zalm, to North American Philips Co., Inc.: Luminescent material. 2,868,733, 1-13-59, Cl. 252—301.4.  
Cox, Basil B.: See—  
Long, Stuart S., and Cox. 2,899,116.  
Cox, Bonnar: See—  
Goldberg, Jacob, and Cox. 2,867,791.  
Goldberg, Jacob, and Cox. 2,874,633.  
Goldberg, Jacob, and Cox. 2,913,707.  
Cox, Bonnar, J. Goldberg, and W. H. Kautz, to General Electric Co.: Error-checking system. 2,871,289, 1-27-59, Cl. 178—23.  
Cox, Bonnar, and J. Goldberg, to General Electric Co.: Magnetic tape reading system. 2,904,777, 9-15-59, Cl. 340—174.  
Cox, Bonnar, and J. Goldberg, to General Electric Co.: Storage system. 2,913,705, 11-17-59, Cl. 340—174.  
Cox, Bonnar, and J. Goldberg, to General Electric Co.: Magnetic tape arrangement system. 2,918,662, 12-22-59, Cl. 340—174.  
Cox, Cecil T., to The S. K. Wellman Co.: Friction composition product. 2,886,882, 5-19-59, Cl. 29—182.5.  
Cox, Cecil T., to The S. K. Wellman Co.: Brake material for extreme heavy duty. 2,899,740, 8-18-59, Cl. 29—182.8.  
Cox, Clare: Children's toy. 2,914,325, 11-24-59, Cl. 272—54.  
Cox, Dale W., Jr.: Vertical take-off airplane. 2,913,196, 11-17-59, Cl. 244—15.  
Cox, David C., to Mandrel Industries, Inc.: Inspection head for sorting machine. 2,879,407, 3-24-59, Cl. 250—222.  
Cox, Earle F.: Welding machine for rails or the like. 2,911,516, 11-3-59, Cl. 219—101.  
Cox, Ethel R.: Automobile window screen. 2,915,119, 12-1-59, Cl. 160—381.  
Cox, Eugene S., and J. W. Meermans, to The Garrett Corp.: Turbine driven fluid circulating unit. 2,888,302, 5-26-59, Cl. 308—187.  
Cox, Eunice: See—  
Cox, George B. 2,895,363.  
Cox, Frank G., Jr.: Spiral one-at-a-time dispenser. 2,899,046, 8-11-59, Cl. 206—42.  
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Cox, George C.: Amphoteric metal electroplating processes. 2,919,233, 12-29-59, Cl. 204—38.  
Cox, George W., to Northrop Aircraft, Inc.: Multiple position switch with built-in memory. 2,870,299, 1-20-59, Cl. 200—167.  
Cox, Harold E., to Willcraft Hosiery Mills, Inc.: Releasable yarn tension device for hosiery knitting machines. 2,884,774, 5-5-59, Cl. 66—146.  
Cox, Henry C.: Construction panel providing sound and heat insulation. 2,872,710, 2-10-59, Cl. 20—2.  
Cox, Hubert L.: See—  
Haroldson, Arthur H., and Cox. 2,870,295.  
Cox, Isaac E.: See—  
Hoyer, Llewellyn E., and Cox. 2,868,595.  
Cox, Isaac E., to American Brake Shoe Co.: Sleeve journals for railway wheels and the like. 2,879,112, 3-24-59, Cl. 308—41.  
Cox, Joe L., to Pascoe Steel Corp.: Gate mechanism for a hopper. 2,877,938, 3-17-59, Cl. 222—502.

- Cox, John E., and G. L. Hasser, to International Telephone and Telegraph Corp.: Reversible call-selector circuit. 2,917,585, 12-15-59, Cl. 179—17.  
Cox, John J., Jr., to E. I. du Pont de Nemours and Co.: Method of quenching metals in an aqueous silica sol. 2,910,395, 10-27-59, Cl. 148—18.  
Cox, John R.: See—  
Abramson, Alfred A., and Cox. 2,871,721.  
Cox, John R., and L. F. Smrek, to The Balas Collet Mfg. Co.: Adjustably tensioned pusher. 2,872,199, 2-3-59, Cl. 279—47.  
Cox, John W., to Diamond Gardner Corp.: Pulp molding machine. 2,879,696, 3-31-59, Cl. 92—56.  
Cox, John W., to Diamond Gardner Corp.: Pulp molding machine. 2,881,679, 4-14-59, Cl. 92—57.  
Cox, Joseph R., and T. E. Brown, to Columbia-Southern Chemical Corp.: Preparation of hydrogen peroxide. 2,886,416, 5-12-59, Cl. 23—207.  
Cox, Leslie R., deceased, by Citizens Trust Co., executor, to Bell Telephone Laboratories, Inc.: Carrier distribution circuit. 2,874,220, 2-17-59, Cl. 179—15.  
Cox, Martin, to Power Jets (Research and Development) Ltd.: Method and apparatus for heating fluid. 2,869,830, 1-20-59, Cl. 257—1.  
Cox, Mason C.: See—  
Fritz, William H., Potter, and Cox. 2,913,892.  
Cox, Norman L., and W. D. Nicoll, to E. I. du Pont de Nemours & Co.: Spinning viscose. 2,910,341, 10-27-59, Cl. 18—54.  
Cox, Norman R.: See—  
Hess, Lawrence G., and Cox. 2,912,464.  
Johnson, Philip C., and Cox. 2,919,292.  
Cox, Paul R., Jr., to The Chemstrand Corp.: Solutions of modified polyesters in thionolene. 2,912,404, 11-10-59, Cl. 260—30.8.  
Cox, Paul R., Jr., to The Chemstrand Corp.: Solutions of modified polyesters in thiol-substituted fatty acids. 2,912,405, 11-10-59, Cl. 260—30.8.  
Cox, Robert, to Slide-Lock Ltd.: Adjustable holding or locking devices. 2,883,219, 4-21-59, Cl. 287—58.  
Cox, Robert M.: See—  
Gerwig, Harvey F., and Cox. 2,888,027.  
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Cox, Robert P., and L. L. Yeager, to Bjorksten Research Laboratories, Inc.: Polymers of fluorinated acrylic monomers. 2,877,207, 3-10-59, Cl. 260—45.5.  
Cox, Russell E., and C. P. Lowry: Rural, mailbox signal. 2,905,378, 9-22-59, Cl. 232—35.  
Cox, Stanley L., to The Kirk & Blum Mfg. Co.: Air cleaner. 2,910,138, 10-27-59, Cl. 183—24.  
Cox, Thomas G., to Food Machinery and Chemical Corp.: Method of and apparatus for positioning fruit. 2,901,087, 8-25-59, Cl. 198—33.  
Cox, William L.: See—  
Chenick, Joseph A., and Cox. 2,888,503.  
Coxworth, Lowry, to W. H. Bailey: Circumferentially traveling type tire mounting device. 2,888,064, 5-26-59, Cl. 157—1.24.  
Coy, Carl E.: Artificial transmission lines. 2,894,221, 7-7-59, Cl. 333—29.  
Coy, Homer E., to Ace Tool Engineering Co., Inc.: Measuring instrument. 2,895,226, 7-21-59, Cl. 33—179.  
Cofkendall, Leon H., to The Babcock & Wilcox Co.: Heating system. 2,903,187, 9-8-59, Cl. 237—8.  
Coyle, Eugene F.: Gas-operated automatic shotgun choke. 2,869,272, 1-20-59, Cl. 42—79.  
Coyle, John H., A. Wilson, and J. L. Vargonick, to The Bridgeport Hardware Mfg. Corp.: Tool handles. 2,871,899, 2-3-59, Cl. 145—61.  
Coyle, William E., to Gem Oil Tool Co., Inc.: Cement conditioner for well walls. 2,903,073, 9-8-59, Cl. 166—172.  
Coyne, André, and J. Bellier: Measurement of physical quantities with the aid of apparatus which converts the said quantities into variations of oscillation frequency. 2,880,612, 4-7-59, Cl. 73—88.5.  
Coyne, André, and J. Bellier: Method of and apparatus for the measurement and the control of the difference between two physical quantities. 2,912,861, 11-17-59, Cl. 73—301.  
Coyne, Donald M., and J. C. Kirk, to Continental Oil Co.: Process for the production of cyclic and non-cyclic esters. 2,872,456, 2-3-59, Cl. 260—343.  
Coyne, Lawrence D.: See—  
Osborne, Russell E., Moyer, and Coyne. 2,882,955.  
Coyne, William R., to The Pillsbury Co.: Insert feeding apparatus. 2,891,363, 6-23-59, Cl. 53—59.  
Cozine, Harold E.: See—  
Dapp, Robert J., and Cozine. 2,873,834.  
Cozzo, Giuseppe, to E. Loewy: Mandrel arrangement. 2,909,338, 10-20-59, Cl. 242—68.  
Crabb, Clarence R.: See—  
McDonald, Leighton S., Hughes, and Crabb. 2,917,555.  
Crabb, Jasper R., to National Industrial Product Co.: Weighing and bagging machine for produce or other heterogeneous commodities. 2,889,130, 6-2-59, Cl. 249—17.  
Crabb, Jasper R., to National Industrial Product Co.: Feeding and weighing system for produce or other heterogeneous commodities. 2,889,131, 6-2-59, Cl. 249—17.  
Crabbe, Lindsay T., to Phoenix Metal Cap Co., Inc.: Force plug for molded articles. 2,904,837, 9-22-59, Cl. 18—45.  
Crabbe, René, and J. Clément, to Solvay & Cie.: Process and apparatus for the decomposition of alkali metal amalgams. 2,872,291, 2-3-59, Cl. 23—184.

- Crabbe, René, and J. Clément, to Solvay & Cie.: Device for the continuous determination of the specific gravity of liquids. 2,878,075, 3-24-59, Cl. 73—439.  
Crabbe, Rupert G.: Combination bunker and residential building structure. 2,878,665, 3-24-59, Cl. 72—1.  
Craibel, Wesley I.: See—  
Schultz, Thomas W., and Craibel. 2,879,612.  
Crabs, Roy L.: Mail carrier. 2,912,151, 11-10-59, Cl. 224—50.  
Crabtree, J. A., and Co. Ltd.: See—  
Coleman, Edward. 2,911,496.  
Crabtree, Philip B.: See—  
Nelkirk, Marvin W., and Crabtree. 2,918,132.  
Crabtree, Leonard F., to General Telephone Laboratories, Inc.: Stopping circuit for a high speed rotary switch. 2,879,339, 3-24-59, Cl. 179—18.  
Craddock, Charles L.: Telephone system for alarm boxes. 2,887,535, 5-19-59, Cl. 179—5.  
Craddock, Charles L.: Lighting system for alarm boxes. 2,904,782, 9-15-59, Cl. 340—288.  
Craddock-Terry Shoe Corp.: See—  
Lockridge, Robert S. 2,878,593.  
Craffon, John M.: Method of and apparatus for producing board products. 2,877,491, 3-17-59, Cl. 18—5.  
Crafts, Cecil A.: See—  
McFarlane, Maynard D., and Crafts. 2,897,331.  
McFarlane, Maynard D., and Crafts. 2,897,332.  
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McFarlane, Maynard D., and Crafts. 2,909,663.  
Wehrli, Robert L., Crafts, and McFarlane. 2,915,077.  
Crafts, Cecil A., to Robertshaw-Pulton Controls Co.: Heating control device. 2,898,435, 8-4-59, Cl. 219—20.  
Crafts, Curtis S., to Michle-Goss-Dexter, Inc.: Stereotype plate holding means for printing cylinders. 2,915,010, 12-1-59, Cl. 101—378.  
Crafts, Curtis S., and H. L. McWhorter, to Michle-Goss-Dexter, Inc.: Apparatus for producing magazines and the like. 2,873,112, 2-10-59, Cl. 270—12.  
Crafts, Dermont B.: Baby alarm. 2,908,599, 10-13-59, Cl. 340—280.  
Cragg, Arthur C., and D. A. Schult, to Donaldson Co., Inc.: Engine operated insecticide sprayer. 2,901,182, 8-25-59, Cl. 239—129.  
Cragg, Hoyt J., to Ethyl Corp.: Manufacture of cyclopentadienyl manganese tricarbonyl compounds. 2,868,698, 1-13-59, Cl. 202—46.  
Cragg, Hoyt J., to Ethyl Corp.: Treatment of benzene hexachloride. 2,918,500, 12-22-59, Cl. 260—648.  
Cragg, Richard E., to Ditto, Inc.: Duplicating machine with automatic controls. 2,916,988, 12-15-59, Cl. 101—144.  
Cragg, William D.: See—  
Terry, Victor J., R. and P. S. Kelly, and Cragg. 2,896,148.  
Craggs, Joseph, and K. R. McCann: Collapsible and extendible conveyor and loader. 2,880,849, 4-7-59, Cl. 198—139.  
Craig, Alfred B.: See—  
Ham, George E., and Craig. 2,867,602.  
Ham, George E., and Craig. 2,867,625.  
Craig, Burnie J.: Door lock abutment. 2,867,837, 1-13-59, Cl. 16—85.  
Craig, Burnie J.: Apparatus for making ball point pens. 2,896,250, 7-28-59, Cl. 18—5.  
Craig, Burnie J.: Retractable writing instrument. 2,881,735, 4-14-59, Cl. 120—42.03.  
Craig, David, J. F. Jones, and S. T. Semegen, to The B. F. Goodrich Co.: Aqueous dispersions of elastomeric polymers and method of preparation. 2,905,649, 9-22-59, Cl. 260—4.  
Craig, Edwin R., and J. N. Street, to Log Electronics, Inc.: Photographic method and apparatus. 2,880,662, 4-7-59, Cl. 95—73.  
Craig, Floyd B.: See—  
Leonard, Frederick, and Craig. 2,906,972.  
Craig, Frank S., to General Railway Signal Co.: Glass insert retainer for light signal spectacles. 2,881,420, 4-7-59, Cl. 340—383.  
Craig, George H., to Inland Steel Co.: Blast furnace salamander charting. 2,915,305, 12-1-59, Cl. 266—25.  
Craig, James C., and E. H. Fredericksen, to I.T.E. Circuit Breaker Co.: Control disconnect contact structure for draw-out circuit breakers. 2,917,592, 12-15-59, Cl. 200—50.  
Craig, John: See—  
Sherino, Stanley A. 2,887,668.  
Craig, Louis E., to General Aniline & Film Corp.: Preparation of a-chlorocyclohexanone oxime. 2,890,248, 6-9-59, Cl. 260—566.  
Craig, Louis E., to General Aniline & Film Corp.: Preparation of cyclooctylamine. 2,907,793, 10-6-59, Cl. 260—563.  
Craig, Milton: Trimmer and edger attachment for lawnmowers. 2,908,127, 10-13-59, Cl. 56—26.  
Craig, Paul N., to Smith, Kline & French Laboratories: Substituted phenothiazinyl trifluoromethyl sulfones. 2,914,528, 11-24-59, Cl. 260—243.  
Craig, Paul N., to Smith, Kline & French Laboratories: Substituted phenothiazinyl trifluoromethyl sulfones. 2,919,272, 12-29-59, Cl. 260—243.  
Craig, Paul N., and J. J. Lafferty, to Smith, Kline & French Laboratories: 3-amino-1,2-dihydro-3h-pyrido[3,2,1-k]-phenothiazines. 2,919,271, 12-29-59, Cl. 260—243.  
Craig, Ralph P., to Red Point Corp.: Encapsulating apparatus. 2,879,810, 3-31-59, Cl. 141—51.

- Craig, Robert D., to Metropolitan-Vickers Electrical Co. Ltd.: Variable resolving slit collector for mass spectrometer. 2,887,582, 5-19-59, Cl. 250—41.9.  
Craig, Robert G.: See—  
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Shirk, Robert M., Craig, and Hoge. 2,915,375.  
Craig, Robert W., to General Railway Signal Co.: Railway switch point connection. 2,914,274, 11-24-59, Cl. 246—449.  
Craig Systems, Inc.: See—  
Ewart, John M. 2,877,508.  
Craig, W. E., E. Y. Shropshire, and H. F. Wilson, to Rohm & Haas Co.: a-dichloromethylalkylbenzhydrols. 2,881,111, 4-7-59, Cl. 167—30.  
Craig, William A.: Abduction walking splint. 2,906,261, 9-29-59, Cl. 128—80.  
Craig, Willis G., and C. O. Miller, to The Lubrizol Corp.: Method for preparing esters of di (organo) phosphino-dithioic acids. 2,881,200, 4-7-59, Cl. 260—461.  
Crain, Helen E.: See—  
Crain, John M., and H. E. 2,902,769.  
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Crain, R. L., Ltd.: See—  
Wright, Duane H. 2,875,689.  
Craine, James F.: Intelligence testing apparatus. 2,870,549, 1-27-59, Cl. 35—22.  
Craine, Joseph B.: See—  
Robertson, Edwin J., and Craine. 2,876,114.  
Crake, Wilfred S.: See—  
Siebenhausen, Christian H., Jr., and Crake. 2,870,609.  
Crake, Wilfred S., to Shell Development Co.: Method and apparatus for constructing offshore drilling platforms. 2,907,172, 10-6-59, Cl. 61—46.5.  
Cram, Harvey G.: Drainage system and moisture control. 2,885,790, 5-12-59, Cl. 34—48.  
Cram, Clayton V.: Adjustable gage for equalizing clearance between punches and dies for accurate alignment. 2,878,576, 3-24-59, Cl. 33—185.  
Cramer, Clifford H.: See—  
Newell, Earl L., Wells, and Cramer. 2,903,500.  
Cramer, Eleanor: See—  
Cramer, Raymond H. 2,901,299.  
Cramer, Gunther: See—  
Schmitz, Adolf, and Cramer. 2,907,791.  
Cramer Posture Chair Co., Inc.: See—  
Scherer, George J. 2,909,212.  
Cramer, Raymond H., deceased, by E. Cramer and R. Gertler, executrices, to General Motors Corp.: Journal box. 2,901,299, 8-25-59, Cl. 308—180.  
Cramer, Robert H., to Socony Mobil Oil Co., Inc.: Preparation of chromia-copper oxide hydrogels. 2,910,444, 10-27-59, Cl. 252—467.  
Cramer, Robert H., and E. E. Jenkins, to Socony Mobil Oil Co., Inc.: Preparation of alumina gels. 2,898,306, 8-4-59, Cl. 252—463.  
Cramer, Trevor K., to Plastene Corp.: Mold for annular plastic articles. 2,878,517, 3-24-59, Cl. 18—42.  
Cramer, Trevor K., and A. M. Chabotte, to Plastene Corp.: Apparatus for molding parts having irregular outer surfaces. 2,891,283, 6-23-59, Cl. 18—42.  
Crammond, Earle D., to L. M. Schott: Metal strap fastening means. 2,914,827, 12-1-59, Cl. 24—23.  
Crampton, Donald S., to Felt Products Mfg. Co.: Gasket mounting. 2,867,464, 1-6-59, Cl. 288—22.  
Crampton, Gale W., to Victor Adding Machine Co.: Deviation oscillator. 2,895,554, 8-4-59, Cl. 331—72.  
Crampton, Gale W., L. D. Barter, and R. G. Schuler, to Victor Adding Machine Co.: Data reduction system. 2,918,657, 12-22-59, Cl. 340—174.  
Cranberg, Lawrence, to United States of America, Atomic Energy Commission: Apparatus for measuring neutron cross sections. 2,895,051, 7-14-59, Cl. 250—83.3.  
Cranberg, Lawrence, to United States of America, Atomic Energy Commission: Apparatus for measuring total neutron cross sections. 2,908,822, 10-13-59, Cl. 250—83.3.  
Crane, Ray A., J. R. Goertz, and J. W. Graham, to E. I. du Pont de Nemours and Co.: Removal of tarry materials in the process for making vinylacetylene from acetylene. 2,914,587, 11-24-59, Cl. 260—678.  
Crandall, A. Ralph, to Phillips Petroleum Co.: Brine creaming of latices. 2,886,297, 5-12-59, Cl. 259—4.  
Crandall, Charles B., to Barber-Colman Co.: Yarn clearer. 2,909,828, 10-27-59, Cl. 28—64.  
Crandall, Howard W., and J. R. Thomas, to United States of America, Atomic Energy Commission: Separation process for zirconium and compounds thereof. 2,892,681, 6-30-59, Cl. 23—88.  
Crandall, Howard W., T. E. Hicks, B. Rubin, and J. R. Thomas, to United States of America, Atomic Energy Commission: Continuous chelation-extraction process for the separation and purification of metals. 2,916,349, 12-8-59, Cl. 23—14.5.  
Crandall, Loid: Rotary pump. 2,915,982, 12-8-59, Cl. 103—126.  
Crandall, Loid: Amphibian vehicle. 2,916,006, 12-8-59, Cl. 115—1.  
Crandall, Ronald E., to Northrop Aircraft, Inc.: Control system components backlash removing device. 2,877,034, 3-10-59, Cl. 287—100.  
Crandell, Francis J.: Microseismic detection apparatus and particularly geophones therefor. 2,891,233, 6-16-59, Cl. 340—17.



- Crandon, Albert S., Jr., to American Window Glass Co. Apparatus for drawing sheet glass. 2,896,376, 7-28-59, Cl. 49-17.
- Crandon, Harry D., to American Optical Co. Method of forming reflective surfaces. 2,875,087, 2-24-59, Cl. 117-10.
- Crandon, Harry D., to American Optical Co. Mold for producing lens of any shape from a polymerizable material. 2,890,486, 6-16-59, Cl. 18-39.
- Crane, Amos W., and H. W. Collins, to Eastman Kodak Co. Improved method of extruding a tobacco smoke filter. 2,916,777, 12-15-59, Cl. 18-55.
- Crane, Buren C., P. R. Honan, and A. S. Harlan, to Indiana Commercial Filters Corp. Unidirectionally actuated switching apparatus. 2,904,652, 9-15-59, Cl. 200-84.
- Crane, Carlton L.: See—
- Malm, Carl J., and Crane. 2,899,423.
- Crane, Clarence B., to United States of America, Navy. Fuze housing. 2,882,822, 4-21-59, Cl. 102-70.
- Crane Co.: See—
- Balje, Otto E., and Stein. 2,904,307.
- Bredtschneider, Kurt B. 2,880,620.
- Bredtschneider, Kurt B., and Hemzacek. 2,887,295.
- Bredtschneider, Kurt B., Onak, and Stuart. 2,899,667.
- Bryant, Corwin W. 2,881,784.
- Carr, Edward W., and Hansen. 2,908,288.
- Carrie, William D. 2,872,895.
- Carrie, William D. 2,885,886.
- Eckman, Harry A. 2,897,093.
- Englert, Joseph A. 2,894,718.
- Gallant, Francis W. 2,912,867.
- Hansen, George E. 2,896,851.
- Hansen, George E., and Carr. 2,868,460.
- Hjullian, Julius A. 2,888,209.
- Hrubec, Arthur F. 2,903,994.
- Kanter, Jerome J. 2,912,346.
- Kanter, Jerome J., Lahr, and Havel. 2,911,710.
- Kinsey, Douglas D., Johnson, and Asbby. 2,910,704.
- Nickerson, Douglas B. 2,892,663.
- Nickerson, Douglas B. 2,897,025.
- Petrie, Eugene C. 2,908,018.
- Schmidt, Edward G., and Svakabek. 2,876,458.
- Setka, Raymond P. 2,885,174.
- Stein, Clyde R. 2,916,890.
- Stone, Carl R., and Schmidt. 2,875,977.
- Till, Robert A., and Acosta. 2,905,433.
- Zinkil Roy H. 2,885,180.
- Crane, Edward V., R. L. Curtner, and F. P. Fehn, Sr., to E. W. Bliss Co. Overload clutch. 2,911,080, 11-3-59, Cl. 192-150.
- Crane, Edward V., R. L. Curtner, and W. S. Wagner, to United States of America, Navy. Pilger mill. 2,914,973, 12-1-59, Cl. 30-14.
- Crane, George B.: See—
- Haves, Harry T., and Crane. 2,918,665.
- Crane, George B., to Gilliland Bros., Inc. Means and techniques for producing instantaneous direction finding information plan position indicator. 2,916,735, 12-8-59, Cl. 343-6.
- Crane, Harold S., to Diamond Gardner Corp. Pulp molding die. 2,903,063, 9-8-59, Cl. 162-411.
- Crane, Hewitt D., to Radio Corp. of America. Magnetic switching systems. 2,896,194, 7-21-59, Cl. 340-174.
- Crane, Hubert R.: See—
- Conner, Lyman C. 2,880,782.
- Conner, Lyman C. 2,894,565.
- Crane, Joseph H. Aircraft. 2,880,945, 4-7-59, Cl. 244-12.
- Crane, Moses S. Automatic internal pressure regulating pouring attachment. 2,891,702, 6-23-59, Cl. 222-479.
- Crane Packing Co.: See—
- Harper, Leonard L. 2,897,784.
- Hawthurst, Stephen. 2,868,575.
- Katzke, Ernest F. 2,883,802.
- Payne, Frank E. 2,871,039.
- Payne, Frank E. 2,871,040.
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- Payne, Frank E. 2,884,266.
- Payne, Frank E. 2,892,642.
- Payne, Frank E. 2,894,770.
- Payne, Frank E. 2,899,219.
- Payne, Frank E., and Thayer. 2,877,026.
- Crane, Perry T.: See—
- Frankie, Harry R., and Crane. 2,912,240.
- Crane, Robert A., and Dr. J. Pre. to The Dow Chemical Co. Analytical apparatus. 2,895,055, 7-14-59, Cl. 250-218.
- Crane, Robert L., to Continental Machines, Inc. Band type cutoff saw. 2,883,736, 4-28-59, Cl. 29-68.
- Crane, Robert L., C. E. Cleland, and C. H. Whitmore, to Continental Machines, Inc. Machine for cutting off bar stock. 2,898,669, 8-11-59, Cl. 29-68.
- Crane, Robert W.: See—
- McIntosh, Donald J., and Crane. 2,896,799.
- Crane, Samuel P., to R. O. Kent Co. Mount for bicycle saddle cover. 2,914,168, 11-24-59, Cl. 200-79.
- Crane, Samuel P., and S. D. Kent. Casing for ventilated cushions. 2,893,543, 7-21-59, Cl. 153-182.
- Crane, Theodore B. Low bed trailer. 2,889,060, 6-2-59, Cl. 214-85.
- Crane, Walton B., to Allied Plastics Co. Fruit shipping crate. 2,875,939, 3-3-59, Cl. 229-27.
- Crane, Walton B., to Allied Plastics Co. Container for tomatoes and the like. 2,879,886, 3-31-59, Cl. 206-72.
- Crane, Walton B., to Allied Plastics Co. Paperboard shipping crate and interlocked crate unit. 2,903,176, 9-8-59, Cl. 229-27.
- Crane, Walton B., and E. R. Slate, to Allied Container Corp. Box gluing machine. 2,912,908, 11-17-59, Cl. 93-52.
- Crane, William A., and P. R. Honan, to Indiana Commercial Filters Corp. Filter tank cleaning device. 2,916,148, 12-8-59, Cl. 210-527.
- Crane, William W. T.: See—
- Higgins, Gary H., and Crane. 2,887,358.
- Cranford, James W., to G. C. Jenkins. Predetermined torque release wrench. 2,918,834, 12-29-59, Cl. 81-52.4.
- Cranke, Alvin L. Apparatus for molding meat products or the like. 2,880,668, 4-7-59, Cl. 100-232.
- Crankshaw, John H., to American Flexible Coupling Co. Flexible coupling. 2,873,588, 2-17-59, Cl. 64-9.
- Crankshaw, John H., to American Flexible Coupling Co. Flexible coupling sleeve with spacer connection. 2,873,589, 2-17-59, Cl. 64-9.
- Crankshaw, John H., to Zurn Industries, Inc. Sound isolating coupling. 2,900,809, 8-25-59, Cl. 64-13.
- Cranston, Albert E., Jr. Elevating turntable for conveyors. 2,897,948, 8-4-59, Cl. 198-33.
- Cranston Print Works Co.: See—
- Smith, Graydon. 2,870,705.
- Cranston, Wilbur J., to Omark Industries, Inc. Latch mechanism for explosively actuated tool. 2,913,728, 11-24-59, Cl. 1-44.5.
- Crapez, Leon E. Methods of and apparatus for boring wells, drifts and the like. 2,915,288, 12-1-59, Cl. 253-3.
- Crapse, Hastings M.: See—
- Tallon, James B., and Crapse. 2,915,264.
- Crapuchettes, Paul W., to Litton Industries, Inc. Magnetron tuner. 2,876,383, 3-3-59, Cl. 315-39.61.
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- Crapuchettes, Paul W., to Litton Industries of California. Broadband tuner. 2,906,920, 9-29-59, Cl. 315-39.61.
- Crathern, Charles F. H.: See—
- Bailey, Edward A., Bradleick, and Crathern. 2,890,630.
- Crauland, Marc J. L., to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Crey. Polyvinyl chloride and poly alkyl tin mercaptosuccinates. 2,910,452, 10-27-59, Cl. 260-45.75.
- Craven, Ernest C.: See—
- Elce, Alec, Poulson, and Craven. 2,916,422.
- Craven, Isaac: See—
- Huber, Henry, and Craven. 2,869,490.
- Craven, Herman R.: See—
- Bookout, Floyd V., Craven, and Johnson. 2,888,165.
- Craven, Wilbur J., to The Capewell Mfg. Co. Saber saw blade. 2,890,728, 6-16-59, Cl. 143-133.
- Cravens, Benjamin B. Column construction and adjustment for a radial saw. 2,870,801, 1-27-59, Cl. 143-6.
- Cravens, Samuel V., to Dominant Constructors, Inc. Block wall structure. 2,892,338, 6-30-59, Cl. 72-38.
- Cravero, Joseph A., to Republic Aviation Corp. Engine throttle. 2,901,919, 9-1-59, Cl. 74-491.
- Cravero, Joseph A., to Republic Aviation Corp. Speed-responsive control system for vehicle steering mechanisms. 2,906,474, 9-29-59, Cl. 244-50.
- Cravits, Phillip. Wrapping machine. 2,874,527, 2-24-59, Cl. 53-378.
- Crawford, Carl F.: See—
- Lewis, Edwin S., and Crawford. 2,918,673.
- Crawford Collets Ltd.: See—
- Eve, Leonard F. 2,911,222.
- Crawford, Daniel W., 50% to A. P. Green, Jr. Detachable top for pickup truck bodies. 2,886,375, 5-12-59, Cl. 296-100.
- Crawford, David C.: See—
- Olsen, Henry H., and Crawford. 2,886,102.
- Crawford, David J., to International Business Machines Corp. Diode clipping circuit. 2,906,871, 9-29-59, Cl. 250-27.
- Crawford, Donald D. Truck tire bead breaker. 2,893,478, 7-7-59, Cl. 157-1.2.
- Crawford Door Co.: See—
- Olsen, Henry H., and Crawford. 2,886,102.
- Starr, Norbert T. 2,898,985.
- Crawford, Earl A. Printing plate and cylinder. 2,898,854, 8-11-59, Cl. 101-415.1.
- Crawford, Earl H. Music rack and instrument support. 2,901,860, 9-1-59, Cl. 45-62.
- Crawford, Francis W., to Phillips Petroleum Co. Earth boring. 2,869,825, 1-20-59, Cl. 255-1.8.
- Crawford, Francis W., to Phillips Petroleum Co. In situ combustion of stratum having an exposed face. 2,899,186, 8-11-59, Cl. 262-3.
- Crawford, Francis W., to Phillips Petroleum Co. Preventing explosions in bore holes during underground combustion operations for oil recovery. 2,913,050, 11-17-59, Cl. 166-11.
- Crawford, George H., Jr.: See—
- Lo, Elizabeth S., and Crawford. 2,914,512.
- Crawford, George H., Jr., and E. S. Lo, to Minnesota Mining and Mfg. Co. Fluorine-containing polymers and preparation thereof. 2,909,509, 10-20-59, Cl. 260-87.5.
- Crawford, Harry E., to E. I. du Pont de Nemours and Co. Process for preparing relief images. 2,868,124, 1-13-59, Cl. 101-401.1.

- Crawford, Herman E.: See—
- Routh, Herman M., and Crawford. 2,911,808.
- Crawford, Ivan L. Multi-way valve unit having rotary selector valve. 2,881,802, 4-14-59, Cl. 137-622.5.
- Crawford, John L.: See—
- Kabelos, Nicholas A. 2,909,236.
- Crawford, John M., and F. Clynoch, to Continental Oil Co. Method of coupling a vibrator to an elastic medium. 2,910,134, 10-27-59, Cl. 181-5.
- Crawford, John T.: See—
- Curtis, Everett C., and Crawford. 2,888,300.
- Crawford, John W. C.: See—
- Cooke, William H., and Crawford. 2,886,429.
- Crawford, John W. C., to United States of America, Atomic Energy Commission. Process for production of uranium. 2,906,618, 9-29-59, Cl. 75-84.1.
- Crawford, Kenneth G.: See—
- Venditty, Chester G., and Crawford. 2,873,979.
- Crawford, Loyal D. Self-threading nut. 2,896,493, 7-28-59, Cl. 85-32.
- Crawford Mfg. Co., Inc. The: See—
- Antonevich, Michael. 2,880,381.
- Crawford, Ralph W., to Fisher-Price Toys, Inc. Action toy. 2,883,793, 4-28-59, Cl. 46-99.
- Crawford, Richard R.: See—
- Brown, Glenn H., Jr., Strecker, and Crawford. 2,874,116.
- Crawford, Robert T., and J. B. Stevens, to Eastman Kodak Co. Tobacco smoke filter elements. 2,900,988, 8-25-59, Cl. 131-208.
- Crawford, Robert V., to Bell Telephone Laboratories, Inc. Radiant energy highway communication system with controlled directive antenna. 2,904,674, 9-15-59, Cl. 250-6.
- Crawford, Robert V., and F. J. Henneberg, to Bell Telephone Laboratories, Inc. Control circuit for indicator. 2,879,460, 3-24-59, Cl. 318-55.
- Crawford, Thomas G., to Westinghouse Electric Corp. Resinous plastic film. 2,879,010, 3-24-59, Cl. 242-118.32.
- Crawford, Thomas J. Method and apparatus for induction brazing of metal tubing. 2,886,690, 5-12-59, Cl. 219-67.
- Crawford, Thomas P.: See—
- McCabe, Ira E. 2,874,522.
- Crawford, Warren M., Jr., to Production and Marketing Co. Rotatable support for a game board. 2,873,938, 2-17-59, Cl. 248-349.
- Crawley, Arthur T. E. Dugle, and R. W. Wagner, to Crawley Book Machinery, Inc. Single station book pressing and creasing machine. 2,893,023, 7-7-59, Cl. 11-1.
- Crawley Book Machinery, Inc.: See—
- Crawley, Arthur T., Dugle, and Wagner. 2,893,023.
- Crawley, Carroll L., to Texaco Inc. Method of contacting feed oil with coke in the fluid contact coking of residual oils. 2,894,899, 7-14-59, Cl. 208-127.
- Crawley, Hubert J., and C. Strachey, to International Business Machines Corp. Instruction modifier means for electronics digital computing machines. 2,898,041, 8-4-59, Cl. 235-61.
- Crawley, William P., to American Viscose Corp. Yarn and thread-receiving cores. 2,906,473, 9-29-59, Cl. 242-118.32.
- Crayford, William T.: See—
- Wells, Archibald H., and Crayford. 2,888,902.
- Creamer, and Dunlap: See—
- Cremer, Robert W. 2,904,355.
- Cremer, Edgar M., Jr.: See—
- Boothford, Wilson P., and Cremer. 2,878,370.
- Cremer, Helen G. Surgical bust pad. 2,867,818, 1-13-59, Cl. 3-36.
- Cremer, Robert W., to Cremer and Dunlap. Pressure responsive, orientated, double seal ring threaded joint. 2,904,355, 9-15-59, Cl. 285-113.
- Cremerly Package Mfg. Co., The: See—
- Buehler, Leon, Jr. 2,911,801.
- Wakeman, Alden H. 2,867,984.
- Wakeman, Alden H. 2,868,353.
- Wakeman, Alden H. 2,898,861.
- Wakeman, Alden H. 2,901,981.
- Creason, Frank. Machine for pulling pins. 2,911,190, 11-3-59, Cl. 254-18.
- Creasy, Carl E.: See—
- Cole, Carrel D. 2,874,987.
- Creasy, Elwood E.: See—
- Cole, Carrel D. 2,874,987.
- Creative Metals Corp.: See—
- Geltner, Rudolph. 2,893,445.
- Crehbs, Earl R. Dispenser containers. 2,884,162, 4-28-59, Cl. 221-46.
- Crede, Charles E., to Barry Controls Inc. Resilient support. 2,900,161, 8-18-59, Cl. 248-358.
- Crede, Charles E., and B. S. Furbeck, to Barry Controls Inc. Resilient support. 2,900,162, 8-18-59, Cl. 248-358.
- Crede, John H., R. H. Henke, E. L. Pulaski, and C. P. Strohle, to Allegheny Ludlum Steel Corp. Method of producing silicon steel strip. 2,867,557, 1-6-59, Cl. 148-111.
- Creed, Albert B. Tool-holding devices. 2,887,904, 5-26-59, Cl. 74-813.
- Creed and Co. Ltd.: See—
- Mason, Frederick P. 2,889,398.
- Mason, Frederick P., and Stemp. 2,903,106.
- Mason, Frederick P., and Stevens. 2,916,682.
- Salmon, Reginald D., Turner, and Burr. 2,882,972.
- Stemp, Ronald G., and Lloyd. 2,914,372.
- Creed, Sherman H.: See—
- Freeman, Marshall E. C., Creed, and Bardini. 2,905,216.
- Puccinelli, Silvio, Creed, and Freeman. 2,883,070.
- Crehan, William J.: See—
- Talmey, Paul, and Crehan. 2,908,419.
- Crehan, William J., W. F. Klouse, and P. Talmey, to General American Transportation Corp. Methods of making nickel phosphorous alloys. 2,908,568, 10-13-59, Cl. 75-170.
- Creighton, Albert M., Jr., to Chemical Development Corp. Patch for repairing leak holes in pipe lines and method for applying the same. 2,905,206, 9-22-59, Cl. 138-99.
- Creighton, Ethel C.: See—
- Creighton, Millard G. 2,899,218.
- Creighton, Millard G., deceased, by E. C. Creighton, executrix. Adjustable connector for well casings having variably coengaged rotation prevention means. 2,899,218, 8-11-59, Cl. 285-302.
- Creighton, Stanley J. Milk can rack. 2,916,157, 12-8-59, Cl. 211-75.
- Cremer, George D.: See—
- Onstott, Edward L., and Cremer. 2,894,837.
- Cremer, William C., and W. E. Bubel: said Cremer to said Bubel. Thread tensioning device for a shirring attachment for sewing machines. 2,881,724, 4-14-59, Cl. 112-101.
- Crep, Michael M. Current control apparatus for testing batteries or the like. 2,883,497, 4-21-59, Cl. 201-48.
- Crep, Michael M. Load rheostat. 2,883,498, 4-21-59, Cl. 201-48.
- Crepinsek, Alois. Safety lock. 2,911,815, 11-10-59, Cl. 70-133.
- Crear, Adams & Co.: See—
- Martin, William O. 2,886,377.
- Crescent Corset Co., Inc.: See—
- Pock, Maxine D. 2,908,277.
- Crescent Paper Tube Co., Inc.: See—
- Seltman, Paul R. 2,895,511.
- Cresci, Anthony L. Elevating mechanism for truck bodies. 2,899,172, 8-11-59, Cl. 254-8.
- Crespi, Giovanni: See—
- Natta, Giulio, and Crespi. 2,896,264.
- Cress, J. J. Co. of New Jersey: See—
- Hankin, John H., Jr. 2,902,741.
- Cressman, George W., to General Electric Co. Coating composition for electric lamps. 2,918,595, 12-22-59, Cl. 313-113.
- Cresswell, Arthur, to American Cyanamid Co. Production of polyacrylonitrile filaments. 2,916,348, 12-8-59, Cl. 18-54.
- Cresswell, Robert A., to The British Oxygen Co. Ltd. Electric arc welding. 2,880,302, 3-31-59, Cl. 219-74.
- Cresswell, Robert A., to The British Oxygen Co. Ltd. Electric arc welding. 2,880,375, 3-31-59, Cl. 315-284.
- Cresswell, Robert A., to The British Oxygen Co. Ltd. Fusion welding of metals. 2,908,801, 10-13-59, Cl. 219-74.
- Cresswell, Robert A., and J. R. Bradshaw, to The British Oxygen Co. Ltd. Electric arc cutting. 2,908,798, 10-13-59, Cl. 219-69.
- Cresswell, Robert A., and J. R. Bradshaw, to The British Oxygen Co. Ltd. Method and apparatus for electric arc erosion. 2,908,799, 10-13-59, Cl. 219-69.
- Cresswell, Stephen G., to Sylvania Electric Products Inc. Exhaust tip shield. 2,893,027, 7-7-59, Cl. 15-21.
- Cresswell, Stephen G., and C. J. Schnerling, to Sylvania Electric Products Inc. Dummy inner leads in wafer stems. 2,892,008, 6-23-59, Cl. 174-50.61.
- Cresswell, Stephen G., and K. C. Rupert, to Sylvania Electric Products Inc. Exhaust tube stop plug. 2,911,015, 11-3-59, Cl. 141-65.
- Crest Furniture Corp.: See—
- Mathison, Robert V. 2,913,041.
- Crest Lock Co., Inc.: See—
- Levine, David. 2,896,755.
- Cretella, Mary C.: See—
- Juda, Walter, and Cretella. 2,870,071.
- Cretek Companies, Inc. The: See—
- Longfellow, Richard C. 2,869,213.
- Cretn-Maltenaz, Bernard, to Societe en commandite simple et en nom collectif a l'egard de Gerants dite: Societe Industrielle et Commerciale des Ouvriers Lunetiers (Cottet, Polchet, Tagnon & Cie). Multifocal lens having a locally variable power. 2,869,422, 1-20-59, Cl. 88-54.
- Cretn-Maltenaz, Bernard, to Societe Industrielle et Commerciale des Ouvriers Lunetiers (Cottet, Polchet, Tagnon & Cie). Machine for grinding an optical surface in a piece of refractive material. 2,915,856, 12-8-59, Cl. 51-124.
- Creutz, Edward C.: See—
- Szillard, Leo, Wigner, and Creutz. 2,886,503.
- Wigner, Eugene P., Szillard, and Creutz. 2,872,401.
- Creutz, Edward C., to United States of America, Atomic Energy Commission. Forming tubes and rods of uranium metal by extrusion. 2,870,907, 1-27-59, Cl. 207-10.
- Creutz, Edward C., to United States of America, Atomic Energy Commission. Refractory die for extruding uranium. 2,899,054, 8-11-59, Cl. 207-17.
- Creutz, Edward C., to United States of America, Atomic Energy Commission. Reactor component. 2,910,177, 10-27-59, Cl. 206-84.
- Creutz, Edward C., L. A. Ohlinger, A. M. Weinberg, and G. J. Young, to United States of America, Atomic Energy Commission. Neutronic reactor. 2,910,418, 10-27-59, Cl. 204-193.2.



- Crevelling, Cyrus H., to United States of America, Navy. Electric circuit component. 2,898,521, 8-4-59, Cl. 317-101.
- Crevelling, Robert, to United States of America, Atomic Energy Commission. Precision time-delay circuit. 2,878,382, 3-17-59, Cl. 250-27.
- Crevelling, Robert, and N. A. Bourgeois, Jr., to United States of America, Atomic Energy Commission. Thyatron switch. 2,883,535, 4-21-59, Cl. 250-27.
- Crevling, Thomas V., D. J. Haag, and T. I. Abbott, to Eastman Kodak Co. Thermographic copying material. 2,899,334, 8-11-59, Cl. 117-36.
- Crevoisier, Marcel, to Societe Nouvelle Dieny & Lucas. Injection-compressor apparatus. 2,918,009, 12-22-59, Cl. 103-7.
- Crew, Beverly L.: See—
- Kenrich, Chester M., and Crew. 2,877,447.
- Crewdson, Henry, Jr., to American Viscose Corp. Vane adjusting assembly for pulverized fuel type burner unit. 2,898,874, 8-11-59, Cl. 110-28.
- Crews, Robert W.: See—
- Borden, Howard C., and Crews. 2,879,422.
- Cribben and Sexton Co.: See—
- Alger, Jerry T. 2,918,119.
- Hellyer, John T. 2,913,930.
- Kendall, Willard E. 2,905,115.
- Tilmann, Richard A. 2,880,717.
- Wahl, Ralph L., and Schmecht. 2,896,975.
- Crick, Leonard E. Ratchet type rotary impact tool. 2,914,978, 12-1-59, Cl. 81-52.3.
- Cridland, John E., to General Electric Co. Recessed double contact strip base. 2,899,671, 8-11-59, Cl. 339-145.
- Crimboli, Alfred P. Circular window construction. 2,868,281, 1-13-59, Cl. 160-92.
- Crimboli, Alfred P. Roll easy window. 2,886,862, 5-19-59, Cl. 20-40.
- Criener, Charles B., to Aluminum Co. of America. Aluminum base alloy. 2,915,390, 12-1-59, Cl. 75-141.
- Criener, Charles B., to Aluminum Co. of America. Aluminum base alloy. 2,915,391, 12-1-59, Cl. 75-142.
- Criener, Harry J., to A. G. Bush. Figure-of-eight band blade bread slicing machine. 2,906,309, 9-29-59, Cl. 146-88.
- Cripe, Gene H., to Utility Appliance Corp. Kitchen stove with grease accumulator and indicator. 2,879,708, 3-31-59, Cl. 99-342.
- Cripe, Maxwell L.: See—
- Blair, John W., and Cripe. 2,871,065.
- Crippen Mfg. Co.: See—
- Frevert, Robert E. 2,908,391.
- Cripps, Harry N., to E. I. du Pont de Nemours and Co. 3-methylene-cyclobutanes. 2,914,541, 11-24-59, Cl. 260-346.3.
- Cripps, Harry N., and J. K. Williams, to E. I. du Pont de Nemours and Co. Trialkylidene-cyclobutanes and polymers thereof. 2,917,499, 12-15-59, Cl. 260-93.1.
- Criscuolo, Edward L., and D. T. O'Connor, to United States of America, Navy. Radiograph by gas ionization. 2,900,515, 8-18-59, Cl. 250-65.
- Crispin, Thayer S., to Douglas Aircraft Co., Inc. Expansion or contraction compensating clamp. 2,901,012, 8-25-59, Cl. 144-302.
- Crissey, Laverne W., to E. I. du Pont de Nemours and Co. Liquid coating composition of methyl methacrylate polymer and an organophilic cation-modified clay, and process of making. 2,892,804, 6-30-59, Cl. 260-41.
- Crisinger, Woodrow W., to North Electric Co. Switch member. 2,876,307, 3-3-59, Cl. 200-87.
- Crissey, Robert J. Rotary offset printing machine with auxiliary offset cylinder. 2,909,117, 10-20-59, Cl. 101-137.
- Crist, Buckley, to The Coca-Cola Co. Faucets. 2,915,278, 12-1-59, Cl. 251-122.
- Crist, Ralph P., to United States of America, Navy. Hydrogen gas generator. 2,909,119, 10-20-59, Cl. 102-14.
- Cristy, Nicholas G.: See—
- Johnston, David B., Johnson, Cristy, and Trautmann. 2,909,400.
- Criswell, Daryl L., to Bendix Aviation Corp. Fuel feed and power control system for gas turbine engines having an engine temperature control. 2,867,084, 1-6-59, Cl. 60-39.28.
- Criswell, Dick M., to Wheeling Steel Corp. Methods and apparatus for induction heating. 2,867,708, 1-6-59, Cl. 219-10.43.
- Criswell, Richard H.: See—
- Fenske, Merrell R., and Criswell. 2,899,375.
- Johnson, George F., Marshall, and Criswell. 2,900,366.
- Critchley, William C.: See—
- Carlsen, Leonard O., Critchley, and Magee. 2,869,427.
- Critchlow, James T. Multiple compartment container. 2,893,604, 7-7-59, Cl. 222-129.
- Crites, Joe, to Combustion Engineering, Inc. Method of burning granular low volatile fuels. 2,867,182, 1-6-59, Cl. 110-28.
- Crites, Lucile W.: See—
- Crites, Virgil C. 2,914,845.
- Crites, Nelson A., to Rockwell-Standard Corp. Bellows damper. 2,878,012, 3-17-59, Cl. 267-1.
- Crites, Nelson A., to R. L. Alkire. Weiner-roasting fork. 2,909,987, 10-27-59, Cl. 99-419.
- Crites, Nelson A., to Rockwell-Standard Corp. Twisted spring elements. 2,918,271, 12-22-59, Cl. 267-1.
- Crites, Orr E. Clothes line hanger device. 2,868,388, 1-13-59, Cl. 211-119.1.
- Crites, Virgil C., to L. W. Crites. Method of protecting liners and casings. 2,914,845, 12-1-59, Cl. 29-450.
- Crites, William G. Safety ignition switch for engine ignition systems. 2,868,910, 1-13-59, Cl. 200-61.45.
- Critoph, David I.: See—
- Schoepfel, John F., and Critoph. 2,909,064.
- Crittenden, Charles B.: See—
- Johnson, Thomas H., Mueller, and Crittenden. 2,885,958.
- Crittendon, Lexie R., E. W. Hallston, P. R. Haskell, R. P. Kelly, and W. E. Leek. Securing means for fore-end of auto-loading firearm. 2,891,341, 6-23-59, Cl. 42-75.
- Croce, Robert. Garden umbrella. 2,905,187, 9-22-59, Cl. 135-46.
- Croce, Santy M., to Coty, Inc. Atomizer construction. 2,868,586, 1-13-59, Cl. 299-88.
- Croce, Santy M., and J. W. Solomon, to Coty, Inc. Method of filling lipstick containers. 2,879,548, 3-31-59, Cl. 18-59.
- Crocker, Henry P.: See—
- Capp, Clifford W., Crocker, and Bellringer. 2,912,471.
- Crocker, Kara: See—
- Sola, Samuel L., and Crocker. 2,875,010.
- Crocker, Weyman S.: See—
- Lemmerman, Harold H. P., and Crocker. 2,898,434.
- Crockett, Donald K.: See—
- Mulinch, George, and Crockett. 2,869,804.
- Crockett, Thomas E. Valve device for toilet flush tanks. 2,869,578, 1-20-59, Cl. 137-444.
- Crockett, William P., Jr., to The Setwell Co. Expanding trouser hanger. 2,904,235, 9-15-59, Cl. 223-95.
- Croco, Carlton W., to E. I. du Pont de Nemours and Co. Polyurethane coating compositions. 2,901,467, 8-25-59, Cl. 260-77.5.
- Croft, Arthur, to Crofts (Engineers) Ltd. Friction clutches. 2,897,935, 8-4-59, Cl. 192-93.
- Croft, George M., to Majac, Inc. Particle mill system. 2,909,331, 10-20-59, Cl. 241-39.
- Croft, Kenneth C. Fishing lure. 2,883,785, 4-28-59, Cl. 43-42.9.
- Crofts (Engineers) Ltd.: See—
- Croft, Arthur. 2,897,935.
- Crofts, George B. Plural section magnetically variable inductor with frequency tracked systems. 2,870,334, 1-20-59, Cl. 250-40.
- Crohn, Frank. Button-type adjusting devices for dress forms. 2,913,157, 11-17-59, Cl. 223-68.
- Croix, Louise S., to Air Reduction Co., Inc. Preparation of 2,2,2-trifluoroethyl vinyl ether. 2,872,487, 2-3-59, Cl. 260-614.
- Croley, Leo B., to Phillips Petroleum Co. Hydraulic cyclone separation system. 2,886,287, 5-12-59, Cl. 255-1.
- Cromer, Charles F., to Westinghouse Electric Corp. Fluid-blast circuit interrupter. 2,913,559, 11-17-59, Cl. 260-148.
- Cromer, Ford, to Alabasta Optical & Plastic Co. Shoulder rest for telephone handset. 2,910,547, 10-27-59, Cl. 179-157.
- Cromoza, Walter V. Skinning knife. 2,906,021, 9-29-59, Cl. 30-293.
- Crompton, Howard E.: See—
- Buckley, Edwin G., and Crompton. 2,870,672.
- Crompton & Knowles Corp.: See—
- Cederlund, Albert. 2,897,847.
- Cederlund, Albert, and Hall. 2,918,947.
- Cederlund, Albert, and Kimmel. 2,868,235.
- Cederlund, Albert, Kimmel, and Le Blanc. 2,897,848.
- Foster, Herbert V., and Johnston. 2,868,232.
- Hall, Kenneth J. 2,918,945.
- Hall, Kenneth J. 2,918,949.
- Howe, Wilfred C. 2,911,013.
- Kronoff, Clarence R. 2,890,726.
- Kronoff, Clarence R. 2,907,352.
- Krukons, Alexander C. 2,895,272.
- Krukons, Alexander C. 2,895,601.
- Nims, Philip A. 2,868,234.
- Simmons, George S., Jr., and Turner. 2,907,354.
- Turner, Richard G. 2,897,846.
- Turner, Richard G. 2,902,057.
- Crompton & Knowles Loom Works: See—
- Robb, Walter Y. 2,868,231.
- Cromwell, Carroll W., Jr., to American Enka Corp. Electronic control circuit useful in the manufacture of thick-and-thin yarn. 2,887,620, 5-19-59, Cl. 315-204.
- Cromwell, Harold J.: See—
- Schneider, Paul L., Cromwell, and Taylor. 2,900,057.
- Schneider, Paul L., Cromwell, and Taylor. 2,904,148.
- Cromwell, Harold J., to General Motors Corp. Clutch for engine starting device. 2,900,053, 5-18-59, Cl. 192-45.1.
- Cromwell Paper Co., The: See—
- Le Bolt, John M., Minow, and Stritof. 2,917,223.
- Cromwell, Thomas M., and G. H. McIntyre, Jr., to United States Borax & Chemical Corp. Separation of boron trichloride. 2,877,864, 3-17-59, Cl. 183-115.
- Cron, Roger G., and R. A. Zuech, to North American Aviation, Inc. Aluminum base alloy. 2,908,566, 10-13-59, Cl. 75-147.
- Cronan, Francis P.: See—
- Cronan, Philip F. and F. P. 2,873,497.
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- Cronberger, Luther C. Magnetic toy building blocks. 2,872,754, 2-10-59, Cl. 46-26.
- Cronburg, Claude I., Jr., and C. S. Yeutter, to Bell Telephone Laboratories, Inc. Automatic transmission regulation. 2,870,271, 1-20-59, Cl. 179-171.9.
- Crone, Alfred F., to Acme Highway Products Corp. Guard device. 2,907,552, 10-6-59, Cl. 256-131.
- Crone, Alton H., to Colourpicture Publishers, Inc. Display support. 2,886,184, 5-12-59, Cl. 211-58.
- Crone, Billie L., and G. L. White, to B J Service, Inc. New squeeze cement process and slurry. 2,890,752, 6-16-59, Cl. 166-22.
- Crone, Robert L.: See—
- Veach, Carlos W., and Crone. 2,894,184.
- Cronin, Donald L., to Minneapolis-Honeywell Regulator Co. Generator control system employing semiconductor apparatus. 2,890,404, 6-9-59, Cl. 322-17.
- Cronin, Donald L., to Siegler Corp. Electronic three-phase wave generator. 2,916,687, 12-8-59, Cl. 321-5.
- Cronin, Edward F., to General Electric Co. Low voltage outlet bushing. 2,916,723, 12-8-59, Cl. 339-213.
- Cronin, John P., and A. J. Hennig, to The Upjohn Co. Low viscosity CMC pharmaceutical vehicle. 2,897,120, 7-28-59, Cl. 167-82.
- Croning, Elly M. D.: See—
- Lottermoser, Manfred. 2,881,082.
- Croning, Johannes: See—
- Lottermoser, Manfred. 2,881,082.
- Cronk, Milo M., and R. A. Morrison. Mechanical pole switching device. 2,907,476, 10-6-59, Cl. 213-224.
- Cronkwhite, John T. Combination automatic shutoff and check valve. 2,914,083, 11-24-59, Cl. 137-491.
- Cronquist, Donald H., to International Business Machines Corp. Air head. 2,905,768, 9-22-59, Cl. 179-100.2.
- Cronsten, Axel G. G.: See—
- Lindstrom, Dag V. L., and Cronsten. 2,873,321.
- Crook, Archie W., and P. F. Lewis, to English Electric Valve Co. Ltd. Means for preventing the deleterious effects of X-rays in resonant cavity magnetrons. 2,884,563, 4-28-59, Cl. 315-39.53.
- Crook, Lester O., and D. H. Kincaid, to Colgate-Palmolive Co. Apparatus for and method of controlling the rate of extrusion of a plastic material of varying workability. 2,916,792, 12-15-59, Cl. 25-8.
- Crook, Ronald C.: See—
- Ford, John A., Jackson, and Crook. 2,893,246.
- Crook, William C. H., and R. V. Willis, to D. Nanter & Son Ltd. Optical contour gauging apparatus. 2,883,905, 4-28-59, Cl. 88-24.
- Crooke, Robert C.: See—
- Moon, James, and Crooke. 2,912,495.
- Crooks, Charles E., to Spotnalls, Inc. Wing head fastener. 2,875,644, 3-3-59, Cl. 85-28.
- Crooks, Horatio N., to Radio Corp. of America. Static magnetic delay-line. 2,886,799, 5-12-59, Cl. 340-174.
- Crooks, Horatio N., to Radio Corp. of America. Bidirectional static magnetic storage. 2,911,621, 11-3-59, Cl. 340-174.
- Crooks, Horatio N., and R. C. Blitting, Jr., to Radio Corp. of America. Magnetic scanning systems. 2,912,493, 11-10-59, Cl. 178-6.8.
- Crooks, Ralph K., to Westinghouse Air Brake Co. Control and testing means for carrier signaling and communication equipments. 2,914,614, 11-24-59, Cl. 179-15.5.
- Crooks, Sheridan R., and W. A. Reed, to Republic Steel Corp. Increasing the density of iron powder by alternate rolling and grinding. 2,902,357, 9-1-59, Cl. 75-5.
- Crooks, William J. J. Emergency caution lights. 2,894,257, 7-7-59, Cl. 340-366.
- Crooks, William R., to The Cooper-Bessemer Corp. Means to vary the compression ratio of an internal combustion engine during operation. 2,897,804, 8-4-59, Cl. 123-48.
- Croom, Grover C. Cigarette extinguisher. 2,905,185, 9-22-59, Cl. 131-235.
- Croop, Edward J.: See—
- Arntzen, Clyde E., and Croop. 2,909,741.
- Cropper, Ben: See—
- Welden, Artie L. 2,885,296.
- Cropper, Wendell P.: See—
- Seelig, Herman S., and Cropper. 2,884,375.
- Cropper, Wendell P., to Standard Oil Co. Refrigerated apparatus for sour testing oils. 2,884,766, 5-5-59, Cl. 62-130.
- Crosby Chemicals, Inc.: See—
- Hanson, Elwood W., Drew, and Cagnolatti. 2,886,492.
- Crosby, George A., and H. K. Otto, to Signode Steel Strapping Co. Power strapping machine. 2,915,003, 12-1-59, Cl. 100-26.
- Crosby, Gifford W.: See—
- Benson, John A., and Crosby. 2,874,536.
- Braunwarth, John B., and Crosby. 2,875,240.
- Braunwarth, John B., and Crosby. 2,905,712.
- Millikan, Allen F., and Crosby. 2,894,951.
- Millikan, Allen F., and Crosby. 2,916,455.
- Crosby, Gilmore E., A. L. Smith, and L. E. Whitmer, to Radio Corp. of America. Activated alumina-dominated phosphors. 2,919,363, 12-29-59, Cl. 313-92.
- Crosby, Glenn R. Scaffold end frame and adapter. 2,872,251, 2-3-59, Cl. 304-2.
- Crosby, Larry: See—
- Fisher, John V. 2,917,877.
- Crosby, Melvin A.: See—
- Shellman, Kenneth S., and Crosby. 2,888,877.
- Crosby, Murray G. Frequency modulation communication system. 2,917,623, 12-15-59, Cl. 250-6.
- Crosby, Peter F., to Sedgwick Machine Works, Inc. Slide-tilt tray filing system. 2,886,183, 5-12-59, Cl. 211-51.
- Crosby, Peter F., to Sedgwick Machine Works, Inc. Storage systems. 2,915,195, 12-1-59, Cl. 211-143.
- Crosby, Ralph H., to Shell Development Co. Catalytic cracking of hydrocarbons with recycling of the stripping vapors. 2,895,907, 7-21-59, Cl. 208-150.
- Crosby, Robert: See—
- Spicer, Harold E., Crosby, and Simpson. 2,894,689.
- Crosby, Robert E., Jr.: See—
- Houghton, Richard W., and Crosby. 2,918,625.
- Crosby, Robert L., to Sperry Rand Corp. Binary-coded decade counter. 2,889,468, 6-2-59, Cl. 307-88.5.
- Crosby Valve & Gage Co.: See—
- Tobis, Robert A., and Greenlaw. 2,880,751.
- Crosby, William H., and H. W. Kugler. Intestinal biopsy capsule. 2,881,756, 4-14-59, Cl. 128-2.
- Crosset, Louis P. Flexible couplings, dampers, gearwheels and like devices. 2,873,590, 2-17-59, Cl. 64-14.
- Crosset, Louis P. Transmission couplings for shafts and the like. 2,897,660, 8-4-59, Cl. 64-6.
- Crosfield, J. F. Ltd.: See—
- Crosfield, John F., and Allen. 2,870,253.
- Crosfield, John F., and Gold. 2,873,117.
- Crosfield, John F., and Gold. 2,899,143.
- Crosfield, John F., and G. S. J. Allen, to J. F. Crosfield Ltd. Production of printing surfaces. 2,870,253, 1-20-59, Cl. 178-6.6.
- Crosfield, John F., and D. Gold, to J. F. Crosfield Ltd. Register control of moving webs. 2,873,117, 2-10-59, Cl. 271-2.6.
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- Crosby, Harry W. Drip and spatter guard attachment for a paint roller. 2,896,244, 7-28-59, Cl. 15-248.
- Croschier, Walter J., and J. Klink, to Standard Gage Co., Inc. Dial indicator gage. 2,898,686, 8-11-59, Cl. 33-172.
- Croschier, Walter J., and J. Klink, to Standard Gage Co., Inc. Wire holder for three wire method of measuring threads. 2,906,029, 9-29-59, Cl. 33-167.
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- Muench, Werner, Notarbartolo, and Crosio. 2,887,470.
- Crosio, Enrico, to Pirelli Societa per Azioni. Apparatus for the manufacture of hollow articles composed of a plastic material. 2,887,716, 5-26-59, Cl. 18-5.
- Croskey, Frank A., and C. D. Tuttle, to General Motors Corp. Electrostatic spray charger. 2,890,388, 6-9-59, Cl. 317-3.
- Croskey, Frank A., and C. D. Tuttle, to General Motors Corp. Fluid flow switch actuating mechanism. 2,916,576, 12-8-59, Cl. 200-81.9.
- Crosland, Richard G.: See—
- Powell, Gordon F. W., and Crosland. 2,896,636.
- Crosley Broadcasting Corp.: See—
- Rockwell, Ronald J. 2,872,643.
- Rockwell, Ronald J. 2,875,413.
- Crosman Seed Corp.: See—
- Mapstone, Herbert W. 2,873,033.
- Cross, Carl F., to Sinclair Refining Co. Sweetening process including reactivation of copper chloride catalyst. 2,914,467, 11-24-59, Cl. 208-195.
- Cross, Carroll D.: See—
- Henderson, Ashland S., Cross, and Riede. 2,888,026.
- Henderson, Ashland S., Cross, and Riede. 2,909,303.
- Cross, Carroll N. Method for assembling display material in mount structures. 2,875,672, 3-3-59, Cl. 93-1.
- Cross, Carroll N., and C. D. Hayhow, said Hayhow assor. to Ad-A-Day Co., Inc. Collapsible stand. 2,916,236, 12-8-59, Cl. 248-35.
- Cross, Carroll N., and C. D. Hayhow, said Hayhow assor. to Ad-A-Day Co., Inc. Collapsible stand. 2,916,242, 12-8-59, Cl. 248-198.
- Cross, Cedric B.: See—
- Luczek, Walter, and Cross. 2,911,779.
- Cross, Cedric B., to Package Machinery Co. Underlap forming instrumentalities for wrapping machines. 2,882,665, 4-21-59, Cl. 53-233.
- Cross, Cedric B., and C. E. Melhorn, to Package Machinery Co. Article feeding means. 2,912,092, 11-10-59, Cl. 198-23.
- Cross, Christopher N. Motor vehicle steering wheel lock. 2,874,562, 2-24-59, Cl. 70-252.
- Cross, Donald J., and W. F. Scanlon, to Sylvania Electric Products Inc. Tuning mechanism. 2,897,681, 8-4-59, Cl. 74-157.
- Cross, Earl F., to The R. C. Mahon Co. Metal building construction. 2,871,998, 2-3-59, Cl. 189-34.
- Cross, Grosvenor M., and R. S. Rymer, to United States of America, Navy. Portable ditching trainer. 2,890,529, 6-16-59, Cl. 35-12.
- Cross, Harrell, and J. A. Midgley. Reversible pitch fan. 2,909,229, 10-20-59, Cl. 170-160.24.
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- Horner, Leonard L., Jr., and Cross. 2,901,686.
- Cross, Judson S. Sheet feeding attachment for typewriters. 2,887,208, 5-19-59, Cl. 197-130.
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- Ward, Samuel J., Hollman, and Cross. 2,910,261.
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- Fonda, Jay C. 2,908,769.
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- Cross, Willis J., Jr., to Houdry Process Corp. Method for contacting liquid with granular contact material. 2,906,705, 9-29-59, Cl. 208-167.
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- Crossen, William P., to United Shoe Machinery Corp. Fastener inserting tools. 2,911,645, 11-10-59, Cl. 1-44.4.
- Crossen, William P., H. V. Hall, and E. S. Kant, to United Shoe Machinery Corp. Fastener inserting tools. 2,901,749, 9-1-59, Cl. 1-5.
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- Crossett Chemical Co., a division of The Crossett Co.: See—
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- Crossley Machine Co., Inc.: See—
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- Crossley, Royal E., to Crouse-Hinds Co. Cellometer projector. 2,916,610, 12-8-59, Cl. 240-49.
- Crossley, Tom A. Envelope fastener. 2,889,105, 6-2-59, Cl. 229-78.
- Crosswhite, Henry M., Jr., and W. G. Fastie, 20% to W. G. Finch. Silt mechanisms. 2,914,987, 12-1-59, Cl. 88-61.
- Crost, Munsey E., to United States of America, Army. Direct viewing moving target indicator cathode-ray storage tube. 2,873,398, 2-10-59, Cl. 313-66.
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- Crothers, James W., to United States of America, Army. Insulator ring. 2,912,903, 11-17-59, Cl. 89-1.7.
- Crotty, Harold F., and J. F. Scamman, to General Electric Co. Impulse generating device. 2,894,146, 7-7-59, Cl. 250-231.
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- Crouch, Donald W., to General Electric Co. Vacuum-type circuit interrupter. 2,892,911, 6-30-59, Cl. 200-144.
- Crouch, Elmer A., to Seeger-Williams, Inc. Equalizing foot attachment. 2,914,135, 11-24-59, Cl. 182-201.
- Crouch, George A. Impact fire extinguisher. 2,911,049, 11-3-59, Cl. 169-26.
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- Crouse, Nathan N., to Sterling Drug Inc. Carboxy-esters of hydroxybenzimidazole-stilbenes. 2,878,248, 3-17-59, Cl. 260-240.
- Crouse, David J., Jr.: See—
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- Kline, Edgar A., Crouse, and Leu. 2,901,826.
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- Crow, Howard M. Sprinkler head. 2,869,925, 1-20-59, Cl. 299-64.
- Crow, Howard M. Rotary fluid coupling apparatus for sprinklers and the like. 2,878,062, 3-17-59, Cl. 299-69.
- Crow, Howard M. Fluid sprinkler. 2,918,220, 12-22-59, Cl. 239-231.
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- Crow, Robert F. Cutter and feeder for a potato planter. 2,884,973, 5-5-59, Cl. 146-59.
- Crow, Robert P., to Motorola, Inc. Detector circuit. 2,891,156, 6-16-59, Cl. 250-31.
- Crow, Robert P., to Motorola, Inc. Frequency shift transmitter. 2,894,208, 7-7-59, Cl. 331-40.
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- Crowder, John A., and E. E. Gilbert, to Allied Chemical Corp. Pyrolysis of benzene hexachloride. 2,895,998, 7-21-59, Cl. 260-650.
- Crowder, John R. S., to M. H. Crowder. Flag container and attaching means. 2,909,147, 10-20-59, Cl. 116-173.
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- Crowe, William J., to Bell Telephone Laboratories, Inc. Non-reciprocal wave transmission. 2,894,216, 7-7-59, Cl. 333-7.
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- Crowley, Edgar I., N. W. Franke, and T. P. Joyce, Jr., to Gulf Research & Development Co. Safety device. 2,871,106, 1-27-59, Cl. 23-260.
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- Crownover, Joseph W., and N. R. Smith. Interrupted flash generator. 2,895,081, 7-14-59, Cl. 315-206.
- Crowther, Collins M. Rotary molding machine. 2,875,471, 3-3-59, Cl. 18-20.
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- Crowther, Gerald O., to North American Phillips Co., Inc. Circuit arrangement for electric discharge tube. 2,907,922, 10-6-59, Cl. 315-234.
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- Csapo, John, to The Electric Storage Battery Co. Production of dry-charged battery plates. 2,889,388, 6-2-59, Cl. 136-33.
- Csentes, Ernest, to E. I. du Pont de Nemours and Co. 2,2'-dithiobenzothiazole and 2-mercaptobenzothiazole ZnCl<sub>2</sub> and CdCl<sub>2</sub> complexes. 2,870,157, 1-20-59, Cl. 260-299.
- Csentes, Ernest, to E. I. du Pont de Nemours and Co. Chromic salts of o-alkoxy-o'-hydroxy monoazo compounds. 2,871,232, 1-27-59, Cl. 260-147.
- Csentes, Ernest, and I. W. Dobratz, to E. I. du Pont de Nemours and Co. Process of producing high-purity, half-chromed azo dyes. 2,885,392, 5-5-59, Cl. 260-145.
- Csery, Ludwig, and J. Schmitt, to Chemische Werke Albert. Process for improving the flowing qualities of phenol-formaldehyde molding compositions and molding compositions resulting therefrom. 2,897,171, 7-28-59, Cl. 260-32.8.
- Csillingh, Dessó, to "Licencia" Talalmanyokart Ertekesito Valalat. Grid-controlled mercury-arc rectifier. 2,897,404, 7-28-59, Cl. 315-205.
- Cubitt, Kenneth H., and J. W. Leonard, to The Educational Supply Association Ltd. Aircraft hangar doors. 2,869,635, 1-20-59, Cl. 160-118.
- Cuecia, Carmen L.: See—
- Donal, John S., Jr., and Cuecia. 2,912,613.
- Cuecia, Carmen L., to Radio Corp. of America. Electron beam tubes. 2,870,368, 1-20-59, Cl. 315-5.49.
- Cuecia, Carmen L., to Radio Corp. of America. Color synchronizing circuit. 2,875,272, 2-24-59, Cl. 178-5.4.
- Cuchlari, Anthony. Smoking-pipe reamer. 2,891,559, 6-23-59, Cl. 131-246.
- Cuckson, Eric E.: See—
- Jones, Arthur L., and Cuckson. 2,891,583.
- Cuckson Textiles Proprietary Ltd.: See—
- Jones, Arthur L., and Cuckson. 2,891,583.
- Cuculo, John A., to E. I. du Pont de Nemours and Co. Treatment of filaments to improve strength in tension. 2,880,057, 3-31-59, Cl. 18-54.
- Cucuro, James. Fishing pole attachment. 2,910,797, 11-3-59, Cl. 43-17.
- Cudahy Packing Co., The: See—
- Douglass, William F., and Phalen. 2,901,354.
- Cudd, Joseph D. Garment holder. 2,888,725, 6-2-59, Cl. 24-84.
- Cudd, Joseph D. Trousers hanger. 2,907,504, 10-6-59, Cl. 223-88.
- Cuddon-Fletcher, Angus H. Two-stroke internal combustion engines. 2,886,018, 5-12-59, Cl. 123-51.
- Cudini, Roger G., to Moynahan Bronze Co. Panel construction and assembly. 2,867,856, 1-13-59, Cl. 20-11.
- Cue Fastener, Inc.: See—
- Burbank, John E. 2,877,844.
- Burbank, John E. 2,880,489.
- Burbank, John E. 2,909,824.
- Neitlich, Irving M. 2,891,282.
- Cuesta, Francisco G. Safety pneumatic tire wheel. 2,884,983, 5-5-59, Cl. 152-363.
- Cuevas, Daniel S., to Mariani Frozen Foods Corp. Melon-ball forming device. 2,911,718, 11-10-59, Cl. 30-272.
- Cugini, John A., to Draper Corp. Loom thread cutter. 2,886,070, 5-12-59, Cl. 139-266.
- Cuker, Seymour, to Jacqueline Modes, Inc. High frequency luminescent sign. 2,901,674, 8-25-59, Cl. 315-248.
- Cuker, Seymour, to Jacqueline Modes, Inc. Coupling and tuning circuit for high frequency luminescent sign. 2,913,631, 11-17-59, Cl. 315-248.
- Culbertson, Harry M.: See—
- Williams, Byron L., Jr., and Culbertson. 2,914,508.
- Williams, Byron L., Jr., and Culbertson. 2,916,467.
- Culbertson, James A., to The Goodyear Tire & Rubber Co. Disc type brake. 2,909,245, 10-20-59, Cl. 188-72.
- Culbertson, John L., to International Telephone and Telegraph Corp. Combined toll and free-service telephone trunking system. 2,874,224, 2-17-59, Cl. 179-18.
- Culbertson, John L., to International Telephone and Telegraph Corp. Code-ringing call-intercepting telephone system. 2,888,519, 5-26-59, Cl. 179-27.
- Culbertson, Lewis A. Sectional combined outdoor motor and generating plant. 2,879,738, 3-31-59, Cl. 115-17.
- Culbreth, Marvin K.: See—
- Monroe, Robert H., Culbreth, and Molla. 2,882,958.
- Culk, Raimund. Electric motor drive for a compressor having a horizontal drive shaft. 2,911,549, 11-3-59, Cl. 310-86.
- Cull, Neville L.: See—
- Fasco, Ed V., and Cull. 2,904,542.
- Cull, Neville L., and C. L. Aldridge, to Esso Research and Engineering Co. Modified carbonylation reaction. 2,908,721, 10-13-59, Cl. 260-638.
- Cull, Neville L., and J. K. Mertzweiler, to Esso Research and Engineering Co. Polymerization process. 2,913,446, 11-17-59, Cl. 260-94.9.
- Cullen, Graeme E., and P. J. A. Turner, to Kelvin & Hughes Ltd. Force responsive servosystem. 2,904,735, 9-15-59, Cl. 318-32.
- Cullen, Orville E., to Surface Combustion Corp. Heat treating apparatus. 2,900,990, 8-25-59, Cl. 134-57.
- Cullen, Roy H., L. D. Richards, and H. H. Hodgeman, said Richards and Hodgeman assors. to said Cullen. Apparatus for handling hose or similar elongate members. 2,892,535, 6-30-59, Cl. 203-305.
- Cullen, Roy H., and L. D. Richards: said Richards assor. to said Cullen. End coupling for hose. 2,915,323, 12-1-59, Cl. 285-149.
- Cullen, Russell B.: See—
- Coffman, Alden W., and Cullen. 2,876,871.
- Coffman, Alden W., and Cullen. 2,918,993.
- Cullender, Henry F., to Sparklets Ltd. Valve actuating device. 2,893,259, 7-7-59, Cl. 74-424.8.
- Culleton, Robert J., and J. W. Kragh, to North American Aviation, Inc. Pressure cap with dump valve and pressure relief valve. 2,899,114, 8-11-59, Cl. 222-396.
- Culley, Lee B. Water level indicators for motor vehicles. 2,877,318, 3-10-59, Cl. 200-84.
- Culley, Lee B. Float controlled switch. 2,907,845, 10-6-59, Cl. 200-84.
- Culligan, Inc.: See—
- Schulze, Robert E. 2,881,091.
- Culmer, Thaddeus W., to H. Stewart. Oil additive and process for its preparation. 2,902,511, 9-1-59, Cl. 260-504.
- Culp, Eugene H.: See—
- Elliott, Daniel R., Culp, and Hulsmit. 2,901,242.
- Culp, Stanford. Steering mechanism. 2,876,651, 3-10-59, Cl. 74-388.
- Culpepper, Albert D., to P. Muse. Extensible conveyor. 2,919,013, 12-29-59, Cl. 198-139.
- Culpepper, William B., and J. C. McGaw, to United States of America, Navy. Means for converting polar coordinates into shaft positions. 2,889,627, 6-9-59, Cl. 33-1.
- Culver, Ezra L. Precast concrete swimming pool. 2,902,157, 9-1-59, Cl. 210-169.
- Culver, George G., and W. L. Fence post. 2,899,175, 8-11-59, Cl. 256-48.



- Culver, Leonard J., to Foster Wheeler Corp. Steam power plant including reheater boiler cycle. 2,874,543, 2-24-59, Cl. 60-73.
- Culver, Walter L.: See—  
Culver, George G. and W. L. 2,899,175.
- Cumberland Case Co. The: See—  
Camp, Dempsey C., and Robinson. 2,894,717.  
Robinson, Charles T. 2,868,222.
- Cummins, Alfred S., and J. R. Hutzler, to General Electric Co. Capacitor and dielectric material therefor. 2,872,630, 2-3-59, Cl. 317-258.
- Cumming, James M., and L. R. Ludwig, to United States of America, Atomic Energy Commission. Calutron tank. 2,900,509, 8-18-59, Cl. 250-419.
- Cumming, Ronald W., and J. R. Green, to Commonwealth of Australia, Crown Solicitor's Office. Gyroscope driving means. 2,918,869, 12-29-59, Cl. 102-49.
- Cummings, Albert B.: See—  
Moseman, Amos K., and Cummings. 2,898,691.
- Cummings, Albert K. Valve having clamped resilient inserts. 2,918,078, 12-22-59, Cl. 137-332.
- Cummings, Harold R.: See—  
Zunick, Michael J., and Cummings. 2,885,583.
- Cummings, Harold R., to General Electric Co. X-ray tube. 2,890,358, 6-9-59, Cl. 313-58.
- Cummings, Ira J.: See—  
Peterson, Norman R., and Cummings. 2,917,476.  
Stilbert, Elmer K., Jr., Cummings, and Clock. 2,912,392.  
Stilbert, Elmer K., Jr., Cummings, and Clock. 2,912,393.  
Stilbert, Elmer K., Jr., Cummings, and Clock. 2,912,394.
- Cummings, James D., to Crutcher-Rolls-Cummings, Inc. Asphalt coating of pipe. 2,909,825, 10-27-59, Cl. 25-38.
- Cummings-Landau Laundry Machinery Co., Inc.: See—  
Hutterer, Martin. 2,912,194.
- Cummings, Leland W. T., to Sun Oil Co. Inhibiting vapor loss from liquids. 2,907,627, 10-6-59, Cl. 21-60.5.
- Cummings, Leslie L., to Otis Engineering Corp. Gas lift valve. 2,875,775, 3-3-59, Cl. 137-155.
- Cummings, Leslie L., to Otis Engineering Corp. Control valve for pipe strings. 2,904,058, 9-15-59, Cl. 137-155.
- Cummings, Louis F. Buckle. 2,876,516, 3-10-59, Cl. 24-75.
- Cummings, Lowell O.: See—  
Christenson, Roger M., and Cummings. 2,871,208.  
Christenson, Roger M., and Cummings. 2,919,261.
- Cummings, Nicholas A.: See—  
Shlu, Thomas B. 2,909,878.
- Cummings, Ralph J.: See—  
Reed, Willis E., and Cummings. 2,896,354.  
Reed, Willis E., and Cummings. 2,896,875.
- Cummings, Ralph J., and W. E. Reed, to Willis E. Reed & Co. Bober. 2,908,991, 10-20-59, Cl. 43-44.88.
- Cummings, Robert L., to Thompson Ramo Wooldridge Inc. Nozzle. 2,907,527, 10-6-59, Cl. 239-135.
- Cummings, Thomas N.: See—  
Shlu, Thomas B. 2,909,878.
- Cummings, Thomas N., B. R. Peterson, Jr., and T. B. Shlu, to CPB Mfg. Co. Container wrapping assemblage. 2,909,877, 10-27-59, Cl. 53-180.
- Cummingston Corp.: See—  
Dexter, Robert G., and Willett. 2,901,249.
- Cummins-Chicago Corp.: See—  
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Quinn, James L., and Duncan. 2,910,991.
- Cummins, Claude A.: See—  
Bennett, Wallis R., and Cummins. 2,914,492.
- Cummins, Clessie L. Diesel engine braking control. 2,876,876, 3-10-59, Cl. 192-3.
- Cummins, Orville: See—  
Homer, Howard J., and Cummins. 2,916,400.
- Cundall, Lincoln A., and W. H. Blaisdell, to Eastman Kodak Co. Sheet feeding and turning apparatus. 2,904,334, 9-15-59, Cl. 271-65.
- Cunder, Joseph, and F. J. Licata, to Nopco Chemical Co. Aluminum soap water-proofing composition and process of making the same. 2,868,666, 1-13-59, Cl. 106-243.
- Cunder, Joseph, and F. J. Licata, to Nopco Chemical Co. Mixed aluminum soap compositions. 2,887,457, 5-19-59, Cl. 260-17.
- Cundiff, Winston H., and D. J. Donaldson, to Kaiser Aluminum & Chemical Corp. Heating apparatus and method. 2,868,523, 1-13-59, Cl. 261-77.
- Cuneo Press, Inc. The: See—  
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- Cunha, Lawrence R. Bottle sorting mechanism. 2,881,918, 4-14-59, Cl. 209-90.
- Cunniff, Thomas W., to Westinghouse Electric Corp. Compensation means for cathode ray tubes. 2,900,544, 8-18-59, Cl. 313-77.
- Cunning Controller Corp.: See—  
Cunningham, Violet R. 2,900,984.
- Cunningham, Arthur R. Adjustable drag for tedder. 2,899,795, 8-18-59, Cl. 56-370.
- Cunningham, Atlee M. Continuous weigher and feeder. 2,889,077, 6-2-59, Cl. 222-77.
- Cunningham, Claude J., and J. J. Labaj, to Horrocks-Ibbotson Co. Fishing rod. 2,885,816, 5-12-59, Cl. 43-22.
- Cunningham, Eldon R., to General Electric Co. Resilient mounting. 2,905,411, 9-22-59, Cl. 248-26.
- Cunningham, Elijah P., and D. W. Dinsmore. Anti-rust emulsion resistant mineral oil composition. 2,908,649, 10-13-59, Cl. 252-49.9.
- Cunningham, Ernest R., Jr. Power loaders and loading buckets therefor. 2,885,103, 5-5-59, Cl. 214-310.
- Cunningham, Eugene, to American Mfg. Co., Inc. Caul pulling mechanisms. 2,907,479, 10-6-59, Cl. 214-16.6.
- Cunningham, Floyd E. Anti-tilt attachment for tractors. 2,896,966, 7-28-59, Cl. 280-150.
- Cunningham, Francis V., to McGraw-Edison Co. Spark gap assembly. 2,891,193, 6-16-59, Cl. 315-36.
- Cunningham, Francis V., to McGraw-Edison Co. Spark gap constructions. 2,896,116, 7-21-59, Cl. 315-36.
- Cunningham, Francis V., to McGraw-Edison Co. Arc arrester spark gap. 2,917,662, 12-15-59, Cl. 315-36.
- Cunningham, Frederick W., to American Bosch Arms Corp. Motor control system for automatic machine tools. 2,916,931, 12-15-59, Cl. 74-409.
- Cunningham, George L., to Horizons Inc. Electrolytic production of hydrides. 2,867,568, 1-6-59, Cl. 204-61.
- Cunningham, George L., to Horizons Inc. Electrolytic process. 2,880,147, 3-31-59, Cl. 204-3.
- Cunningham, George L., to Horizons Inc. Process for producing substantially pure orthophosphoric acid. 2,885,265, 5-5-59, Cl. 23-165.
- Cunningham, George L., to Callery Chemical Co. Two liquid layer salt conversion process. 2,900,223, 8-18-59, Cl. 23-14.
- Cunningham, George L., J. M. Bryant, and E. M. Gause, to Callery Chemical Co. Preparation of potassium borohydride. 2,874,024, 2-17-59, Cl. 23-14.
- Cunningham, George L., and F. Pretka, to Callery Chemical Co. Method for recovery of trialkyl borates from metal tetraalkoxyborates. 2,894,975, 7-14-59, Cl. 260-462.
- Cunningham, George L., and F. E. Romberg, to University of Cincinnati Research Foundation. Manufacture of peroxides and superoxides of the alkali metal peroxides. 2,908,552, 10-13-59, Cl. 23-184.
- Cunningham, Ira. Automatic equalizer adjustment mechanism for reel type lawn mowers. 2,896,390, 7-28-59, Cl. 56-249.
- Cunningham, James A., and A. W. Holt, to United States of America, Commerce. Diode amplifier and computer circuitry. 2,913,600, 11-17-59, Cl. 307-88.5.
- Cunningham, James R.: See—  
Harley, Joseph J., and Cunningham. 2,877,720.
- Cunningham, James M., to E. R. and D. C. Chilcott, d. b. a. Techno Instrument Co. Recording sheet and means for mounting same on a rotary drum. 2,869,966, 1-20-59, Cl. 346-74.
- Cunningham, James M., to International Business Machines Corp. Low inertia magnetic disc clutch. 2,876,880, 3-10-59, Cl. 192-84.
- Cunningham, James M., to International Business Machines Corp. Toll highway recorder. 2,907,521, 10-6-59, Cl. 235-90.
- Cunningham, James M., to International Business Machines Corp. Code converting machines. 2,910,534, 10-27-59, Cl. 178-26.
- Cunningham, Jess B. Detachable mopheads and frames therefor. 2,893,038, 7-7-59, Cl. 15-229.
- Cunningham, John C., to Olin Mathieson Chemical Corp. Apparatus for treating plastic material. 2,882,412, 4-14-59, Cl. 250-49.5.
- Cunningham, John H. Basketball net to goal attaching means. 2,884,249, 4-28-59, Cl. 273-15.
- Cunningham, John R., and M. Ludwig, to Standard Oil Co. of California. Chemical reactor. 2,907,644, 10-6-59, Cl. 23-284.
- Cunningham, John W., and R. S. and G. W. Singleton, to L. V. Singleton, d.b.a. Russell A. Singleton & Sons. Method for producing resin treated leather. 2,885,300, 5-5-59, Cl. 117-7.
- Cunningham, Marion M., to United States Rubber Co. Towing rig for collapsible containers. 2,893,746, 7-7-59, Cl. 280-29.
- Cunningham, Robert E., and H. R. Sigler, Jr., to Bendix Aviation Corp. High frequency amplifier circuit. 2,901,561, 8-25-59, Cl. 179-171.
- Cunningham, Samuel C., and E. H. Shaw. Bucket for conveying concrete. 2,901,148, 8-25-59, Cl. 222-185.
- Cunningham, Violet R., to Cunningham Controller Corp. Foundation garment. 2,900,984, 8-25-59, Cl. 128-556.
- Cunningham, Walter F., to Superior Tabbies, Inc. Index tabs. 2,893,144, 7-7-59, Cl. 40-23.
- Cunningham, William A.: See—  
Pucher, Leo E., Cunningham, and Szabo. 2,880,258.
- Cunningham, William J., and C. Woolf, to Allied Chemical Corp. Manufacture of chlorofluoro propenes. 2,917,558, 12-15-59, Cl. 260-653.4.
- Cuno Engineering Corp. The: See—  
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Ashton, Philip E., and Schnick. 2,895,036.  
Sicard, Marcel C. 2,887,230.
- Cuny, Robert, to Aktiengesellschaft Brown, Boveri & Cie. Device for sealing moving parts of gas-filled machines. 2,903,280, 9-8-59, Cl. 286-9.
- Cuorato, John J., and F. P. Slims, to I-T-E Circuit Breaker Co. Circuit breaker interlock means. 2,912,533, 11-10-59, Cl. 200-50.
- Cupak, Karel, to Koh-i-noor Prosecc n. Nison, narodni podnik. Disc device for automatically shifting the carriage of a calculating machine. 2,902,878, 9-8-59, Cl. 74-435.
- Cupak, Karel, to Koh-i-noor Prosecc n. Nison, narodni podnik. Rotational coupling device. 2,905,002, 9-22-59, Cl. 74-84.

- Cupedo, Douwe J. Stop valve actuating mechanism. 2,872,820, 2-10-59, Cl. 74-2.
- Cupedo, Douwe J. Stop valve comprising a screw spindle. 2,885,906, 5-12-59, Cl. 74-625.
- Cupery, Martin E., to E. I. du Pont de Nemours and Co. Compositions of a copolymer of an alkoxyalkyl alpha-alkyl acrylate with acrolein and an organic heavy metal salt drier. 2,876,211, 3-3-59, Cl. 260-73.
- Cupery, Martin E., to E. I. du Pont de Nemours and Co. Composition of a polymer of an alkoxyalkyl alpha-alkyl acrylate, a heavy metal salt drier and an aldehyde. 2,876,212, 3-3-59, Cl. 260-73.
- Cupp, Frederick B.: See—  
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- Cüppers, Curt, and K. Kirchhübel, to "Oculus" Optikgerate G.m.b.H. Ophthalmological hand instrument for the examination of the retina of the eye. 2,902,899, 9-8-59, Cl. 88-20.
- Curbell Industries, Inc.: See—  
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- Curell, Conrad O., to Kaiser Aluminum & Chemical Corp. Monocoque semi-trailer construction. 2,901,283, 8-25-59, Cl. 296-28.
- Curello, Charles: See—  
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- Curliator Corp.: See—  
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- Langdon, Howard H., Buresh, Castor, and Marks. 2,890,497.
- Curlier, Howard J., and R. M. Bauer, to American Can Co. Method of obtaining a glossy wax coating on paper and resultant product. 2,892,735, 6-30-59, Cl. 117-64.
- Curlett, John: See—  
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Gurries, Raymond A., and Curlett. 2,900,746.  
Gurries, Raymond A., and Curlett. 2,902,979.
- Curme, Henry G.: See—  
Griggs, William H., and Curme. 2,875,654.
- Curran, Bernard E., to H. H. Robertson Co. Building and air distributing structure. 2,908,211, 10-13-59, Cl. 98-31.
- Curran, Bernard E., to H. H. Robertson Co. Duct unit for an air conditioning system. 2,910,926, 11-3-59, Cl. 98-41.
- Curran, Bernard E., to H. H. Robertson Co. Building and air conditioning structure. 2,911,898, 11-10-59, Cl. 98-31.
- Curran, Bernard E., to H. H. Robertson Co. Cell end connector for use in a building and air distributing structure. 2,915,955, 12-8-59, Cl. 98-31.
- Curran, Bernard E., to H. H. Robertson Co. Airtight joints for air conducting floor cells. 2,916,110, 12-8-59, Cl. 189-34.
- Curran, Bernard E., and G. E. Kautz, to H. H. Robertson Co. Damper control apparatus for dual duct air conditioning system. 2,883,111, 4-21-59, Cl. 236-1.
- Curran, Bernard E., and G. E. Kautz, to H. H. Robertson Co. Damper control apparatus for dual duct air conditioning system. 2,898,044, 8-4-59, Cl. 236-1.
- Curran, Francis J.: See—  
Traudt, Stephen C., Curran, and Beale. 2,908,464.
- Curran, Frank J.: See—  
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- Curran, Frank J., to Packaged Insect repellent. 2,896,853, 7-28-59, Cl. 239-57.
- Curran, John B., and J. L. Grahek, to Sorout Waldron & Co., Inc. Pellet mill. 2,887,718, 5-26-59, Cl. 18-12.
- Curran, John J., to Gadget-Of-The-Month Club, Inc. Water closet ball valve guide. 2,895,141, 7-21-59, Cl. 4-57.
- Curran, John R., to General Controls Co. Valve. 2,918,087, 12-22-59, Cl. 137-625.3.
- Curran, Bertha A. Support girdle. 2,878,811, 3-24-59, Cl. 128-536.
- Currens, Ransom L.: See—  
Nielsen, Carl A., Bushey, and Currens. 2,888,921.
- Current, Farmer L., and G. E. Mohnkern, to United States Steel Corp. Method of coating the interior of cylinders. 2,801,09, 3-31-59, Cl. 117-22.
- Currey, Charles H.: See—  
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- Currey, Charles H., to A. C. Nielsen Co. Decimal-to-binary converter for system for recording listening or viewing habits of wave signal receiver users. 2,881,417, 4-7-59, Cl. 340-347.
- Currie, Gerald: See—  
Jones, Clarence S., and Currie. 2,910,579.
- Currie, Grover C., to Decam Corp. Carton. 2,899,123, 8-11-59, Cl. 229-40.
- Currie, Grover C., and P. L. Alexander, Jr., to Decam Corp. Apparatus and method for packaging cans or the like. 2,885,841, 5-12-59, Cl. 53-26.
- Currie, Grover C., B. D. Dans, M. B. Dunn, and J. R. Sweginis, to Decam Corp. Carton forming apparatus and method. 2,893,183, 7-7-59, Cl. 53-29.
- Currie, James W., and H. L. Jackson, to Westinghouse Electric Corp. Inflatable antenna structure. 2,913,726, 11-17-59, Cl. 343-872.
- Currie, Malcolm R., to Hughes Aircraft Co. Low noise traveling-wave tube. 2,869,021, 1-13-59, Cl. 315-3.5.
- Currie, Malcolm R., to The Regents of The University of California. Microwave cavity filter. 2,890,421, 6-9-59, Cl. 333-73.
- Currie, Malcolm R., to Hughes Aircraft Co. Broad-band backward-wave amplifier. 2,911,558, 11-3-59, Cl. 315-3.6.
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- Currier, Vernon A.: See—  
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Bell, John B., Jr., Currier, and Malkemus. 2,915,520.
- Currison, Loren B.: See—  
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- Currison, Loren B., to Lear, Inc. Instrument shock mount. 2,867,405, 1-6-59, Cl. 248-358.
- Currison, Loren B., to Lear, Inc. No inertia torque tester. 2,887,875, 7-26-59, Cl. 73-9.
- Curry, John F., to Cartons. 2,870,949, 1-27-59, Cl. 229-14.
- Curry, John F., to Carton Associates Inc. Packaging apparatus. 2,877,614, 3-17-59, Cl. 53-240.
- Curry, John F., to Carton Associates, Inc. Apparatus for loading cartons. 2,918,765, 12-29-59, Cl. 53-48.
- Curry, Arnet A., to Motorola, Inc. Radio dispatching system for railroad use. 2,883,521, 4-21-59, Cl. 250-6.
- Curry, Bruce R.: See—  
Panning, Martin H., and Curry. 2,894,697.
- Panning, Martin H., and Curry. 2,917,342.
- Curry, Francis J., to Jarrett, Rainsford & Laughton Ltd. Containers for toilet salves and the like. 2,919,019, 12-29-59, Cl. 206-56.
- Curry, Harold E. Atomizer. 2,906,463, 9-29-59, Cl. 239-338.
- Curry, Malcolm, to The American Thread Co. Method of and machine for wrapping articles, and wrapped articles. 2,878,628, 3-24-59, Cl. 53-30.
- Curry, Malcolm, to The American Thread Co. Spools. 2,898,057, 8-4-59, Cl. 242-118.4.
- Curry, Malcolm, to The American Thread Co. Thread spools. 2,908,093, 10-13-59, Cl. 40-10.
- Curry, Neil. Sub-miniature polar relay. 2,871,312, 1-27-59, Cl. 200-93.
- Curry, Thomas W. Nodular cast iron and process of manufacture thereof. 2,867,555, 1-6-59, Cl. 148-3.
- Curry, William J., to International Telephone and Telegraph Corp. Process of coating cathode ray tube screens. 2,888,361, 5-26-59, Cl. 117-33.5.
- Curtice, George L.: See—  
Morris, Earl L., and Curtice. 2,903,712.
- Curtin, John M., to Hansen-Lynn Co., Inc. Variable detent mechanism. 2,917,945, 12-22-59, Cl. 74-532.
- Curtin, Leo P. Micro-crystalline bonding coats for metal. 2,901,385, 8-25-59, Cl. 148-6.16.
- Curtin, Leonard S., to United Shoe Machinery Corp. Shoe fastening machines with cover strip guides. 2,881,723, 4-14-59, Cl. 112-52.
- Curtin, Richard L.: See—  
Sowell, Ernest A., Curtin, Hall, and Scallet. 2,897,086.
- Curtis, Arney L.: See—  
Curtis, Robert L., and A. L. 2,899,235.
- Curtis Automotive Devices, Inc.: See—  
Frank, Paul A., and Curtis. 2,872,783.
- Curtis, Clara M.: See—  
Curtis, David C. 2,913,741.
- Curtis Companies Inc.: See—  
Kock, Jack B. 2,874,015.
- Curtis, Daniel L., to Hughes Aircraft Co. Flip-flop for generating voltage-couple signals. 2,883,525, 4-21-59, Cl. 250-27.
- Curtis, Daniel L., to Litton Industries of California. Apparatus for analog-to-difunction conversion. 2,885,663, 5-5-59, Cl. 340-347.
- Curtis, Daniel L., to Hughes Aircraft Co. Logical decision circuitry for digital computation. 2,903,606, 9-8-59, Cl. 307-88.5.
- Curtis, Daniel L., to Hughes Aircraft Co. Timing track recording apparatus. 2,903,677, 9-8-59, Cl. 340-174.
- Curtis, Daniel L., to Litton Industries of California. Pulse width modulator. 2,913,675, 11-17-59, Cl. 332-9.
- Curtis, Daniel L., to Hughes Aircraft Co. Transistor multi-vibrator. 2,918,586, 12-22-59, Cl. 307-88.5.
- Curtis, David C., deceased; C. M. Curtis, executrix. Slip fastening and platform spotter. 2,913,741, 11-24-59, Cl. 12-15.
- Curtis, Everett C., and J. T. Crawford, to Towmotor Corp. Wear plates for mast assembly. 2,888,300, 5-26-59, Cl. 308-3.
- Curtis, Gerald R., to Consolidated Electrodynamics Corp. Electrical transducer. 2,886,678, 5-12-59, Cl. 201-48.
- Curtis, Gerald R., and J. P. Gibbs, to Consolidated Electrodynamics Corp. Transducer. 2,909,062, 10-20-59, Cl. 73-398.
- Curtis, Harold E. Game. 2,894,748, 7-14-59, Cl. 273-148.



- Curtis, Henry S.: See—  
Hindes, Lawrence W., Curtis, and Siemoneit. 2,902,719.  
Curtis, John C.: See—  
Fish, Walter D., and Curtis. 2,871,826.  
Curtis, John C., and C. T. Thompson, to Joy Mfg. Co. Rock drill. 2,908,482, 10-13-59, Cl. 235-45.  
Curtis Lighting, Inc.: See—  
Gilleard, George. 2,913,576.  
Henning, Donald S. 2,914,287.  
Curtis, Lorin W., to Tung-Sol Electric Inc. Multi-voltage lamp. 2,885,589, 5-5-59, Cl. 313-279.  
Curtis, Martin H., to United States of America, Atomic Energy Commission, Method of processing neutronic reactor fuel elements. 2,891,840, 6-23-59, Cl. 23-14.5.  
Curtis, Paul S. Turnbutton fastener for frame supported insert section. 2,900,678, 8-25-59, Cl. 20-36.  
Curtis, Paul W. Catcher frame for fruit and nuts. 2,913,866, 11-24-59, Cl. 56-329.  
Curtis, Richard C., and P. Nosal, to Hazeltine Research, Inc. Pulse-code communication system. 2,917,578, 12-15-59, Cl. 178-17.  
Curtis, Robert L., and A. L. Folding van body. 2,899,235, 8-11-59, Cl. 296-27.  
Curtis, Roger C., to Dictaphone Corp. Power supply for dictating machine and the like. 2,896,097, 7-21-59, Cl. 307-150.  
Curtis, Russell R.: See—  
Frank, Paul A., and Curtis. 2,872,783.  
Curtis, S., and Son, Inc.: See—  
Scriven, Albert K., Jr. 2,913,967.  
Curtis, Truman P., and C. H. Brunswick, to General Electric Co. Window assembly. 2,869,086, 1-13-59, Cl. 333-98.  
Curtis, Westley F. Ultra high speed level recorder. 2,890,091, 6-9-59, Cl. 346-35.  
Curtis, Wilbur Co., Inc.: See—  
Curtis, Wilbur D., and Park. 2,885,949.  
Curtis, Wilbur D., and R. L. Park, to Wilbur Curtis Co., Inc. Connecting and sealing means for coffee-brewing apparatus. 2,885,949, 5-12-59, Cl. 99-292.  
Curtiss, George E., Jr., and J. D. Carroll, to The Stanley Works. Magnetic latch. 2,877,040, 3-10-59, Cl. 292-251.5.  
Curtiss, Lawrence M., to The Thomas & Betts Co. Electrical conduit bushing. 2,900,435, 8-18-59, Cl. 174-83.  
Curtiss, Nathaniel H., to United States Rubber Co. Elevator conveyor belt, bucket and attaching means. 2,873,844, 2-17-59, Cl. 198-151.  
Curtiss-Wright Corp.: See—  
Africano, Alfred. 2,883,829.  
Barrett, Hillard E., and Payne. 2,872,785.  
Bergsma, Clarence J. 2,876,989.  
Black, William J. 2,880,786.  
Black, William J. 2,902,316.  
Blum, Bernard S., and Philipps. 2,914,848.  
Chillson, Charles W. 2,883,883.  
Dawson, William H., Jr. 2,882,615.  
Dolida, Nicholas R. 2,883,151.  
Fitting, Howard K. 2,901,788.  
Focht, Claude K., and Melcher. 2,880,820.  
Frantz, William. 2,910,084.  
Grandmont, Paul E., Huang, and Cheng. 2,879,486.  
Hall, John L., and Elliott. 2,917,026.  
Harshman, Daniel L. 2,880,579.  
Hjelstrom, Irving E., and Catlett. 2,883,804.  
Howald, Werner E. 2,880,574.  
Hungerford, Philip C., Jr., and Tomko. 2,885,896.  
Hurley, Roy T. 2,884,661.  
Hurley, Roy T. 2,892,489.  
Jordan, William. 2,898,551.  
Kumm, Emerson L. 2,911,957.  
La Barre, Floyd, Jr., and Nagle. 2,913,817.  
Leuthold, Edgar J. 2,874,486.  
London, Fred H. 2,883,555.  
Massey, Albert G. 2,910,968.  
Mergen, Joseph M., and Murphy. 2,887,200.  
Mergen, Joseph M., and Tiedeman. 2,872,875.  
Merlub-Sobel, Menahem, and Weigert. 2,882,593.  
Moulton, Lloyd J. 2,868,184.  
Pedersen, George H. 2,885,856.  
Pelak, Andrew. 2,895,645.  
Port, Julius. 2,909,853.  
Puderbach, George, and Mittenzwei. 2,877,503.  
Ruger, Robert D. 2,914,017.  
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Sevick, Josef K. 2,884,759.  
Steiner, James W. 2,878,585.  
Stern, Robert G., and Sherman. 2,909,852.  
Stulen, Walter H., Jr. 2,887,224.  
Tomko, Donald R. 2,894,403.  
Widmer, Emil C. 2,915,608.  
Wilde, Arthur E., Jr. 2,887,621.  
Curtiss-Wright Corp., Marquette Metal Products Division: See—  
Saccini, Columbus R. 2,901,071.  
Saccini, Columbus R., and Tomko. 2,881,881.  
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Schesvold, Orland S., and Breslow. 2,913,045.  
Curtner, Richard L.: See—  
Crane, Edward V., Curtner, and Fehn. 2,911,080.  
Crane, Edward V., Curtner, and Wagner. 2,914,973.  
Curtner, Richard L., to E. W. Bliss Co. Pull type magnetic torque limiter. 2,893,530, 7-7-59, Cl. 192-150.  
Curts, Joseph M., Jr., and D. E. Nestor, to Reiff & Nestor Co. Apparatus for sizing and finishing bar stock. 2,897,707, 8-4-59, Cl. 82-2.5.  
Curva, James. Motor vehicle speed indicator. 2,887,679, 5-19-59, Cl. 340-264.  
Curzio, Domingo V.: See—  
Pagliacetti, Berardo, and Curzio. 2,872,977.  
Curzon, Thomas, to C.A.V. Ltd. Electromagnetically operable electric switches. 2,883,488, 4-21-59, Cl. 200-94.  
Cusack, Frank H.: See—  
Boughtwood, John E., and Cusack. 2,899,548.  
Cusano, Dominic A., to General Electric Co. Preparation of transparent luminescent screens. 2,887,401, 5-19-59, Cl. 117-33.5.  
Cusano, Dominic A., to General Electric Co. Field enhanced luminescence system. 2,909,692, 10-20-59, Cl. 313-108.  
Cusano, Dominic A., and F. J. Studer, to General Electric Co. Luminescent presentation apparatus. 2,918,670, 12-22-59, Cl. 340-369.  
Cushenberry, Edward B., to Thomas Associates. Electrical bonding clamp. 2,913,699, 11-17-59, Cl. 339-251.  
Cushman, Bruce, and J. Rork, said Cushman assor. to said Rork. Recirculating fountain. 2,877,051, 3-10-59, Cl. 299-3.  
Cushman Chuck Co.: See—  
Sloan, Harry E. 2,873,822.  
Swanson, Linwood B. Re. 24,684.  
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Swanson, Linwood B., and Rutherford. 2,904,339.  
Cushman, Clifford E., to Pacific Scientific Aeroproducts. Quick release buckle. 2,899,732, 8-18-59, Cl. 24-205.17.  
Cushman, Clifford E., and R. J. Wrighton, to Pacific Scientific Aeroproducts. Push-pull cable apparatus. 2,899,836, 8-18-59, Cl. 74-502.  
Cushman, John R., to Eastman Kodak Co. Card stacking device. 2,874,991, 2-24-59, Cl. 294-87.  
Cushman, John R., to United States of America, Air Force. Cooling system and mounting for unitized sealed electronic assemblies. 2,883,445, 4-21-59, Cl. 174-15.  
Cushman Motor Works, Inc.: See—  
Von Seggern, Robert D. 2,869,919.  
Cushman, Norton, to Sprague Electric Co. Variable inductor. 2,869,088, 1-13-59, Cl. 336-110.  
Cushman, Norton, to Sprague Electric Co. Transformer structures. 2,899,631, 8-11-59, Cl. 323-44.  
Cushman, Norton, and R. H. C. Yli, to Sprague Electric Co. Variable inductor. 2,886,788, 5-12-59, Cl. 336-79.  
Cushman, Robert W., and A. P. Steensen, to The Foxboro Co. Measuring apparatus. 2,910,649, 10-27-59, Cl. 324-100.  
Cushman, Walton W. Endless tread and track assembly. 2,867,480, 1-6-59, Cl. 305-10.  
Cushman, Walton W. Weight and balance computer for loading aircraft. 2,890,826, 6-16-59, Cl. 235-61.  
Cushman, Walton W. Suction lift means for industrial lift trucks. 2,893,581, 7-7-59, Cl. 214-651.  
Cushman, Walton W. Tractor hitch. 2,916,301, 12-8-59, Cl. 280-491.  
Cushman, William H. Rail connecting device. 2,911,154, 11-3-59, Cl. 238-314.  
Cusi, Dante S., to International Pulp Products, Inc. Method of producing cellulosic pulp. 2,913,362, 11-17-59, Cl. 162-55.  
Cusie, John W., to G. D. Searle & Co. Esters of N-(halo-10-phenothiazinylalkyl)-N-alkylaminoalkanoic acids. 2,890,219, 6-9-59, Cl. 260-243.  
Cusie, John W., and R. W. Hamilton, to G. D. Searle & Co. N-chlorophenothiazinylalkyl-N'-oxoalkylpiperazines. 2,874,155, 2-17-59, Cl. 260-243.  
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Cuss, John F. Fasteners for panels and the like. 2,900,697, 8-25-59, Cl. 24-221.  
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Cuterete Mfg. Corp.: See—  
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Lewis, William H. 2,912,232.  
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Cutler, Albert E., to Communications Patents Ltd. Electrical apparatus for generating non-linear functions. 2,909,722, 10-20-59, Cl. 323-74.  
Cutler, Cassius C., to Bell Telephone Laboratories, Inc. Impedance matching by means of coupled helices. 2,905,558, 9-22-59, Cl. 315-39.3.  
Cutler, Cassius C., to Bell Telephone Laboratories, Inc. Traveling wave tube. 2,908,914, 9-29-59, Cl. 315-3.5.  
Cutler, Cassius C., to Bell Telephone Laboratories, Inc. Corrugated wave guide devices. 2,912,695, 11-10-59, Cl. 343-781.  
Cutler, Earl F. Insulation. 2,890,499, 6-16-59, Cl. 20-4.  
Cutler, Earl F. Roofing. 2,890,663, 6-16-59, Cl. 108-7.  
Cutler, Frank A., Jr., and J. M. Chemerda, to Merck & Co., Inc. 5,6-dichloro pregnanes. 2,884,417, 4-28-59, Cl. 260-239.55.  
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- Cutler-Hammer, Inc.: See—  
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Charbonneau, Allan P. 2,868,937.  
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Eck, Robert N. 2,883,597.  
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Freundlich, Martin M. 2,882,502.  
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Nolden, William F., and Robbins. 2,908,776.  
Nolden, William F., and Seeger. 2,901,276.  
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Robbins, Clyde F. 2,908,175.  
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Cutso George, George A., to Specialties Development Corp. Electrical network automatically responsive to a change in condition. 2,901,740, 8-25-59, Cl. 340-233.  
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Cutter, Fred A., to Cutter Laboratories, Inc. In-dwelling cannula. 2,915,063, 12-1-59, Cl. 128-214.  
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Cutter, Fred A. 2,879,784.  
Cutter, Fred A. 2,915,063.  
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Cyphers, Harold J. Sealing device for mechanical respirator. 2,879,764, 3-31-59, Cl. 128-30.  
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Czay, Mary. Cake separator. 2,898,677, 8-11-59, Cl. 30-124.  
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Czerlinsky, Ernst R., and R. A. MacMillan, to United States of America, Air Force. Power comparing calorimeter. 2,911,824, 11-10-59, Cl. 73-190.  
Czerwinski, Waclaw, to Avro Aircraft Ltd. Structure for supporting a model in a wind tunnel and supplying compressed fluid to the model. 2,910,866, 11-3-59, Cl. 73-147.  
Czipott, Akos Z., and A. L. Floyd, to Dresser Industries, Inc. Photoconductive device and method of making same. 2,884,507, 4-28-59, Cl. 201-63.  
Czipott, Akos Z., and A. L. Floyd, to Dresser Industries, Inc. Thin metal films and method of making same. 2,884,508, 4-28-59, Cl. 201-63.  
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D'Addico, Alfred A., to E. I. du Pont de Nemours and Co. Preparation of potassium monopersulfate. 2,901,319, 8-25-59, Cl. 23-114.  
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- Daeschner, John C., to Olin Mathieson Chemical Corp. Shaft seal. 2,902,301, 9-1-59, Cl. 286-8.
- Daffin, Douglas E.: See—
- McGowen, Harold E., Jr., and Daffin. 2,887,163.
- Daffin, Douglas E., to Camco Inc. Well pulling tool. 2,872,238, 2-3-59, Cl. 294-86.
- Daggett, Byron G. Machine for sharpening handsaws. 2,899,847, 8-18-59, Cl. 76-43.
- Daggett, John H. Pouring and carrying adapter for milk cartons. 2,888,179, 5-26-59, Cl. 224-45.
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- DCA Food Industries Inc.: See—
- Hunter, Herbert T. 2,897,772.
- Hunter, Herbert T., and Wilson. 2,867,162.
- D.C.B. Ltd.: See—
- Fehling, Hans R. 2,891,511.
- DHB Corp.: See—
- Carlstedt, Ragnar L. 2,878,693.
- Carlstedt, Ragnar L. 2,909,946.
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- Carlstedt, Ragnar L., and Brandt. 2,876,662.
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- Davey, Merton H. 2,879,155.
- DSP Corp.: See—
- Biese, Rudolf L., Jr. 2,882,785.
- D. S. Plugs Ltd.: See—
- Cooper, Bruce L., and Lund. 2,878,339.
- D. & S. Processing Co., Inc.: See—
- Donahue, John P. 2,903,376.
- D.S.T. Pattern and Engineering Co. Ltd.: See—
- Smith, Eric, and Scholes. 2,914,788.
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- Dahl, Einar S., to Borg-Warner Corp. Fuel injection system. 2,896,602, 7-28-59, Cl. 123-179.
- Dahl, Einar S., and R. M. McCreary, to Borg-Warner Corp. Fuel injector mechanism. 2,917,035, 12-15-59, Cl. 123-140.
- Dahl, Frank L. Universally adaptable conductive-circuit board. 2,883,447, 4-21-59, Cl. 174-84.
- Dahl, George H. M. Adjustable trolling device. 2,883,787, 4-28-59, Cl. 43-43.13.
- Dahl, George H. M. Trolling device. 2,914,884, 12-1-59, Cl. 43-43.13.
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- Dahl, Johan J.: See—
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- Dahl, Knut O., to A/S Myrens Verksted. Press for bulk material. 2,901,967, 9-1-59, Cl. 100-148.
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- Dahl, Norman C. Unbonded electric strain gage. 2,900,613, 8-18-59, Cl. 338-6.
- Dahl, Robert R., to The Dole Valve Co. Pilot controlled diaphragm valve. 2,888,234, 5-26-59, Cl. 251-30.
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- Dahlberg, Bengt G. Centrifugal screens. 2,902,156, 9-1-59, Cl. 210-109.
- Dahlberg, Theodore L., to Deady Chemical Co. Bleed-off structure for cooling towers. 2,891,574, 6-23-59, Cl. 137-577.
- Dahlberg, Tord O. R. Devices for measuring and recording diameter dimensions and species of trees. 2,877,559, 3-17-59, Cl. 33-148.
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- Dahle, Orvar and B. 2,895,332.
- Dahle, Orvar and B., and Pedersen. 2,879,394.
- Dahle, Donald E., to Wood Conversion Co. Manufacture of resilient foam with contoured face. 2,902,091, 9-1-59, Cl. 164-39.
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- Dahlem, Maura L.: See—
- Offermann, Alfredo M. 2,869,359.
- Dahlgren, George, to United States Steel Corp. Apparatus for keying-up rolling mill housings. 2,901,931, 9-1-59, Cl. 80-55.
- Dahlgren, Harold P. Lithographic offset press plate dampening device. 2,868,118, 1-13-59, Cl. 101-147.
- Dahlgren, John A.: See—
- Morrissey, William M., Jr., and Dahlgren. 2,889,901.
- Dahlgren, John V. S., to The Wilcolator Co. Circuit regulating and control mechanism. 2,872,535, 2-3-59, Cl. 200-6.
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- Dahlman Mfg. Co.: See—
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- Dahlman, Per O., to North Electric Co. Automatic telephone system. 2,871,418, 1-27-59, Cl. 317-140.
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- Dalley, Glenn H. Reversible slide delivery hay rake. 2,896,388, 7-28-59, Cl. 56-23.
- Dalley, Manuel C., and E. S. Johnson, to United States Gypsum Co. Process for the production of high strength low consistency calcined gypsum. 2,913,308, 11-17-59, Cl. 23-122.
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- Dally, John B., to Waldorf Paper Products Co. Display cartons. 2,913,101, 11-17-59, Cl. 206-45.19.
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- Altman, Werner E. 2,874,817.
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- Förster, Hans-Joachim M. 2,886,981.
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- Hoffmann, Heinrich. 2,902,011.
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- Maruhn, Herbert F. W. 2,888,999.
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- Nallinger, Friedrich K. H. 2,880,626.
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- Nallinger, Friedrich K. H., and Müller. 2,908,341.
- Naumann, Willy R. 2,869,295.
- Scherenberg, Hans O. 2,876,430.
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- Scherenberg, Hans O., and Forster. 2,918,154.
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- Schwenger, Karl C. 2,914,839.
- Stump, Eugen. 2,887,995.
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- Peebles, David D. 2,911,300.
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- Dakli, Ibrahim, and L. Corsi, to Montecatini Società Generale per l'Industria Mineraria e Chimica. Process for the production of acrylic acid esters. 2,881,205, 4-7-59, Cl. 248-238.
- Dallan, Harry P., L. N. Starker, and L. Goldman, to American Cyanamid Co. Substituted acetylperazines. 2,909,524, 10-26-59, Cl. 260-268.
- Dalbce, Eric, to Aktiebolaget Elektrolux. Cord-carrying structure for suction cleaner. 2,893,045, 7-7-59, Cl. 15-325.
- Dalboe, Agnes K. Typewriter backing sheet with audible warning device. 2,878,917, 3-24-59, Cl. 197-189.
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- Dale, Sheldon: See—
- Friedman, Aaron, Lurie, and Dale. 2,907,160.
- Dale, Sheldon, to Cory Corp. Beverage charge holder. 2,899,310, 8-11-59, Cl. 99-77.1.
- Dale, Walter G., and E. F. Lilly, to The Quaker Oats Co. Process for producing rolled oats. 2,898,210, 8-4-59, Cl. 99-80.
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- Daley, Frank R. L., Jr., to General Motors Corp. Housing vent. 2,880,744, 4-7-59, Cl. 137-197.
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- Dalton, Michael J., to Great Lakes Fire Equipment Co. Hose and nozzle attachment. 2,919,071, 12-29-59, Cl. 239-273.
- Dalton, Norris D., and J. F. Smith, to Fred W. Mears Heel Co., Inc. Wood heel trimming machine. 2,901,010, 8-25-59, Cl. 144-154.
- Dalton, Phillip R., to Colgate-Palmolive Co. Detergent compositions. 2,875,153, 2-24-59, Cl. 252-132.
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- Damask, Arthur C., to United States of America, Atomic Energy Commission. Electron irradiation of solids. 2,911,533, 11-3-59, Cl. 250-49.5.
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- D'Amico, John J.: See—  
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- Damijonaitis, Alexandra, to Union Mfg. Co. Chuck with pivoted jaws. 2,890,888, 6-16-59, Cl. 279-35.
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- Damiron, Paul. Brake shoes. 2,911,075, 11-3-59, Cl. 188-264.
- Damkroger, Fred W. Windrow harvester. 2,878,635, 3-24-59, Cl. 56-192.
- Damm, Lennart R.: See—  
Cornellusson, Karl G. E., Damm, Landqvist, Linnarson, and Svansson. 2,892,470.
- Damm, Victor W.: See—  
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- Dammert, Earl D., to The Gleason Works. Quenching press with work handling mechanism. 2,874,853, 2-24-59, Cl. 214-1.
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- Dammond, Howard R., to Landam Products Corp. Heat exchangers. 2,879,372, 3-24-59, Cl. 219-39.
- Damon, Glenn H., and J. Ribovich. Fuel and rapid ignition apparatus for ignition of fuel in ram jets and rockets. 2,906,094, 9-29-59, Cl. 60-39.47.
- Damon, James J., to Ford Motor Co. Shock absorber valve. 2,908,284, 10-13-59, Cl. 137-493.3.
- Damon, Nell F., to Raytheon Mfg. Co. Electrical connectors and attaching means therefor. 2,872,655, 2-3-59, Cl. 339-59.
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- Damon, Ralph S.: See—  
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- Damon, Richard W., to General Electric Co. Target plate. 2,898,490, 8-4-59, Cl. 313-65.
- Damon, Richard W., and J. R. Eshbach, to General Electric Co. Photoconductor of lead oxide and method of making. 2,888,370, 5-26-59, Cl. 117-201.
- Damond, Emile. Vibrating chutes. 2,897,956, 8-4-59, Cl. 198-220.
- Damone, Thomas A. Eye protector. 2,871,642, 2-3-59, Cl. 54-80.
- Damron, William F.: See—  
Midditt, Abraham H., and Damron. 2,880,715.
- Dana Corp.: See—  
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- Dana, Eugene H.: See—  
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- Dancy, William B., and W. N. Stanley, Jr., to International Minerals & Chemical Corp. Process for recovering potassium values from kalmite. 2,895,794, 7-21-59, Cl. 23-38.
- Dancy, William B., and A. F. Nylander, to International Minerals & Chemical Corp. Ion exchange process—removal of sulfate ions from eluate. 2,900,227, 8-18-59, Cl. 23-14.5.
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- D'Andrea, Leonard L.: See—  
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- Dane, Bruce W. Beater for drums. 2,896,492, 7-28-59, Cl. 84-422.
- Dane, Harold B. Internal combustion powered fluid motor and hydraulic propulsion system. 2,872,778, 2-10-59, Cl. 60-12.
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- Danel, Pierre F., and P. A. D'Aurillac, to Etablissements Neyrpic. Artificial blocks for structures exposed to the action of moving water. Re. 24,632, 4-14-59, Cl. 61-4.
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- Danforth, Dirwood M.: See—  
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- Danfoss ved Ingeniør Mads Clausen: See—  
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- D'Angelo, Joseph, to Roto Bag Machine Corp. Bag making machine. 2,884,988, 5-5-59, Cl. 154-42.
- Dangerfield, Kenneth J., to The Austin Motor Co. Ltd. Centrifugal compressors. 2,900,126, 8-18-59, Cl. 130-130.
- Danbler, Francois G., to La Soundure Electrique Autogene, S.A. Automatic arc welding process and machine. 2,900,484, 8-18-59, Cl. 219-74.
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- Daniel, Georges H. M., to Societe Triflux. Glow discharge tube supply system. 2,882,451, 4-14-59, Cl. 315-166.
- Daniel, Hermann: See—  
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- Daniel, John H., Jr., to American Cyanamid Co. Composition containing polymethylol melamine and an ammonium salt of a copolymer of an unsaturated monocarboxylic acid and an alkyl ester of such an acid. 2,906,724, 9-29-59, Cl. 260-45.2.
- Daniel, John H., Jr. Quaternized aqueous-dispersible resinous composition. 2,914,513, 11-24-59, Cl. 260-85.7.
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- Daniel, Kenneth R.: See—  
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Cooper, Jacob L., Daniel, Patton, and Vandergrift. 2,870,496.
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- Daniel, Luther. Valve spring shim. 2,899,954, 8-18-59, Cl. 123-188.
- Daniel, Robert E.: See—  
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- Daniel, William A., to Bendix Aviation Corp. Method of making ceramic cylinders. 2,914,834, 12-1-59, Cl. 25-157.
- Daniels, Albert A. Sink structure and method of assembly. 2,913,733, 11-24-59, Cl. 4-187.
- Daniels, Alfred J.: See—  
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Cotton, Robert B., and Daniels. 2,872,136.  
Fackler, Bernard E., Donnelly, and Daniels. 2,916,569.
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- Daniels, Lee G. Valve. 2,876,798, 3-10-59, Cl. 137-625.29.
- Daniels, Mark. Devices for indicating and playing card games. 2,867,044, 1-6-59, Cl. 35-8.
- Daniels, Paul J. Liquid dispensers. 2,909,125, 10-20-59, Cl. 103-149.
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- Daniels Roy P., to Gulf Oil Corp. Vapor phase sulfurization of olefinic hydrocarbons. 2,917,503, 12-15-59, Cl. 260-139.
- Daniels, Rupert S.: See—  
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- Daniels, Ruthven H.: See—  
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- Daniels, Wilbert P., to Green Bay Box Co. Carton. 2,919,060, 12-29-59, Cl. 229-61.
- Danilensen, Dale A., to Riddle Airlines, Inc. Portable chimney type chick container assembly. 2,900,955, 8-25-59, Cl. 119-15.
- Danielson, Irvin S.: See—  
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- Danielson Mfg. Co., The: See—  
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McKinlay, William. 2,903,772.
- Danielson, Vernon S., to W. H. Miner, Inc. Draft gear for railway draft riggings. 2,912,124, 11-10-59, Cl. 213-45.
- Danielsson, Karl E. H. Method for counting red blood corpuscles in blood. 2,908,160, 10-13-59, Cl. 73-61.
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- Danielsson, Karl E. H., and J. F. S. Lundmark, to Bo Nyman Abn Aktiebolag. Centrifuges. 2,885,145, 5-5-59, Cl. 233-26.
- Danielsson, Nils A. Means for making spectral analysis on pulverized material. 2,883,901, 4-28-59, Cl. 88-14.
- Danielsson, Paul, to Arencio Aktiebolag. Devices for positioning fish. 2,895,163, 7-21-59, Cl. 17-2.
- Danilewicz, Ludomir, to Inertia Starter Developments Ltd. Inertia starter. 2,877,755, 3-17-59, Cl. 123-179.
- Daninbirsch, Harry: See—  
Argentieri, Peter, Daninbirsch, and Day. 2,896,849.
- Danis, Louis J., to Eaton Mfg. Co. Composite ductile wire. 2,888,740, 6-2-59, Cl. 29-191.2.
- Danison, Robert C.: See—  
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- Danly, James C., to Danly Machine Specialties, Inc. Power press tie rod heating system. 2,910,933, 11-3-59, Cl. 100-214.
- Danly Machine Specialties, Inc.: See—  
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- Dann, John R., J. W. Gates, Jr., D. A. Smith, and C. C. Unruh, to Eastman Kodak Co. Photographic emulsions containing synthetic polymer vehicles. 2,882,161, 4-14-59, Cl. 96-114.
- Dann, Morris, and J. J. Peterson, to American Home Products Corp. Cartridge for metering syringe. 2,870,766, 1-27-59, Cl. 128-218.1.
- Dann, Morris, and J. J. Peterson, to American Home Products Corp. Hinged syringe body. 2,871,858, 2-3-59, Cl. 128-218.
- Dann, Morris, E. J. Lockwood, and H. S. Cloyd, to American Home Products Corp. Tamper-proof injection cartridge housing. 2,884,123, 4-28-59, Cl. 206-43.
- Dannback, Torio M.: See—  
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- Dannehl, Kurt H., and J. Houwelling, to Toledo-Werk-Fabrik automatischer Waagen und Prüfmaschinen Dipl. Ing. Th. Prumm & Ed. Leopold. Device to prevent the indicating or the printing of erroneous weights of erratically moving loads. 2,883,177, 4-21-59, Cl. 265-5.
- Dannehl, Melvin A., to Continental Oil Co. Casing pusher. 2,874,934, 2-24-59, Cl. 254-29.
- Dannelly, Clarence C.: See—  
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- Dannen, Charles, to The Deg Corp. Prosthetic genital devices. 2,868,192, 1-13-59, Cl. 128-79.
- Dannenberg, Hans, to Shell Development Co. Method for minimizing the formation of craters in surface coatings. 2,884,339, 4-28-59, Cl. 117-72.
- Dannenburg, Naomi L. Hospital bed standard support. 2,893,677, 7-7-59, Cl. 248-228.
- Danner, Frederick G., and G. C. Browne, to Sperry Rand Corp. Flip-flop resetting circuit. 2,903,607, 9-8-59, Cl. 307-88.5.
- Danner, Jack D., and G. Rogers, to Sylvania Electric Products Inc. Lens coating apparatus and process. 2,912,351, 11-10-59, Cl. 117-106.
- Dannevig, Tord, to General Electric Co. Constant flow positive displacement mechanical hydraulic unit. 2,882,831, 4-21-59, Cl. 103-161.
- Dan River Mills, Inc.: See—  
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- Dans, Bernard D.: See—  
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- Dansie, Robert R.: See—  
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- Dansk Spare-Selskab: See—  
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- Danta, Robert C.: See—  
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- D'Antini, Pasquale I. Safety assembly for protecting drivers and passengers of automotive vehicles. 2,899,214, 8-11-59, Cl. 280-87.
- Dantowitz, Phillip: See—  
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- Danvers, Ellis: See—  
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- Danz, Willi: See—  
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- Danzig, Morris J.: See—  
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- Dapp, Robert J., and H. E. Cozine, to Owens-Illinois Glass Co. Glass tube and cane gauging and sorting apparatus. 2,873,854, 2-17-59, Cl. 209-88.
- D'Aprile, Joseph F., and R. A. Witt, to Chrysler Corp. Control device. 2,914,629, 11-24-59, Cl. 200-61.86.
- Dapses, William P., to Wolverine Equipment Co. Apparatus for thermally treating articles. 2,874,484, 2-24-59, Cl. 34-187.
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- Darata, John, deceased, by M. Darata, administratrix. Apparatus for making bows. 2,909,308, 10-20-59, Cl. 223-46.
- Darata, Mary: See—  
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- Darby, Joseph R., to Monsanto Chemical Co. Composition containing halogenated vinylidene resin plus non-volatile liquid monophenyl alkane plasticizer. 2,885,378, 5-5-59, Cl. 260-31.8.
- Darby, Joseph R., and P. R. Graham, to Monsanto Chemical Co. Vinyl halide polymers stabilized with phosphites and benzoic acid esters. 2,889,295, 6-2-59, Cl. 260-23.
- D'Arcey, Alfred C.: See—  
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- Darco Industries, Inc.: See—  
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- Darde, Peter, to American Machine and Metals, Inc. Clamp. 2,891,296, 6-23-59, Cl. 24-81.
- Dardig, Ben V. Automobile buffer. 2,904,805, 9-22-59, Cl. 15-97.
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- Dare Products, Inc.: See—  
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- Dargie, Robert E., to American Optical Co. Lens surfacing machines. 2,916,857, 12-15-59, Cl. 51-124.
- Darigo, Julius, to Remington Arms Co., Inc. Staking apparatus. 2,897,713, 8-4-59, Cl. 86-10.
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- Darken, Lawrence S., to United States Steel Corp. Self-ventilating thermocouple well. 2,906,800, 9-29-59, Cl. 136-4.
- Darkenwald, George A. Eye piece cover. 2,889,629, 6-9-59, Cl. 33-50.
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- Darling, Donald C.: See—  
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- Darling, L. A., Co.: See—  
Van Pelt, Donovan E. 2,885,091.
- Darling, Horace E., to The Foxboro Co. Measuring apparatus. 2,918,619, 12-22-59, Cl. 323-66.
- Darling, James W. Combination sleeping garment and cover. 2,908,912, 10-20-59, Cl. 2-83.



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- Darling, Samuel M., and R. W. Foreman, to The Standard Oil Co. Fuel for internal combustion engines. 2,914,390, 11-24-59, Cl. 44-58.
- Darlington, Henry S., Jr., to A. H. Wirz, Inc. Method and apparatus for the molding of threaded articles. 2,899,705, 8-18-59, Cl. 18-2.
- Darlington, Sidney, and J. H. Felker, to Bell Telephone Laboratories, Inc. Temperature compensated transistor amplifier. 2,885,494, 5-5-59, Cl. 179-171.
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- Darmann, Otto, H. Kobusch, and K. G. Speith, to Mannesmann Akt. Process for cleaning the chambers of regenerative furnaces. 2,900,285, 8-18-59, Cl. 134-2.
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- Darnell, Rex C. Centrifugal hydraulic governor. 2,882,915, 4-21-59, Cl. 137-34.
- Darnell, Rex C., to Michigan Wire Cloth Co. Fuel filter. 2,893,629, 7-7-59, Cl. 233-27.
- Darnell, Victor L., and F. J. Burst, to Hill-Rom Co., Inc. Mechanically controlled electric bed. 2,913,300, 11-17-59, Cl. 5-68.
- Dardutser, Donna J., L. R. Marsh, and I. E. Kofoed. Hair cutting cape. 2,892,909, 6-30-59, Cl. 2-50.
- Daroci, Joseph, to Esso Research and Engineering Co. Expander tool. 2,879,101, 3-24-59, Cl. 294-97.
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- Daron, William T., Jr.: See—  
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- Darr, Samuel M., to United States of America, Navy. Centrifugal switch with fluent conductor for rotating projectiles. 2,901,569, 8-25-59, Cl. 102-70.
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- Darragh, Frank H., Jr., to Darragh Mechanisms, Inc. Tracks for crawler type machines. 2,897,014, 7-28-59, Cl. 305-10.
- Darragh Mechanisms, Inc.: See—  
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- Darrel, Bernard: See—  
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- Darroch, Albert C.: See—  
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- Darrow, John O. G.: See—  
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- Darrow, Kenneth A., to General Electric Co. Turbine drive surface cleaner with integral generator. 2,915,774, 12-8-59, Cl. 15-324.
- Darrow, Merritt L.: See—  
Sengelaub, John F., and Darrow. 2,885,291.
- Darsie, George. Headlight. 2,879,425, 3-24-59, Cl. 313-115.
- Dart, Jack C.: See—  
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- Darvie, Samuel. Fastening means for heel construction. 2,910,788, 11-3-59, Cl. 36-34.
- Daschke, Arthur W., to J-B-T Instruments, Inc. Frequency-responsive device. 2,916,700, 12-8-59, Cl. 324-80.
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Ebel, Lawrence C., and D'Ascoli. 2,913,515.  
Whalen, Richard T., and D'Ascoli. 2,885,737.
- D'Ascoli, Ralph G., to Anaconda Wire and Cable Co., Inc. Insulated electric conductor splice. 2,906,810, 9-29-59, Cl. 174-87.
- D'Ascoli, Ralph G., to Anaconda Wire and Cable Co., Inc. Reaction product of mineral oil polyisobutylene, polyethylene and resinous petroleum polymerization product. 2,914,501, 11-24-59, Cl. 260-33.6.
- Dasenbrock, John. Speedy can opener. 2,918,193, 12-22-59, Cl. 220-52.
- Dasey, Homer H., to "Visual" Plant Layouts Inc. Chemical process layout. 2,907,122, 10-6-59, Cl. 35-16.
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- Daskiewicz, Zbigniew: See—  
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- Dassaud, Robert: See—  
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- Dasse, Lester F., and F. D. Griswold, to Lambert Brake Corp. Self-energizing disc brake for high-speed aircraft and other heavy duty uses. 2,916,105, 12-8-59, Cl. 188-72.
- Dassetto, Paolo, to Intonacatrice Tigre s.r.l. Spraying apparatus. 2,895,325, 7-21-59, Cl. 72-130.
- Date, Kazuo H.: See—  
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- Date, Kazuo H., to McGraw-Edison Co. Repeating circuit interrupter. 2,898,421, 8-4-59, Cl. 200-89.
- Date, Shigehiro: See—  
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- Dater, Maury M. Hog ring tool. 2,885,681, 5-12-59, Cl. 1-187.
- Datex Corp.: See—  
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- Datin, Richard C., to Allied Chemical Corp. Ammoniated superphosphates and process of producing same. 2,874,036, 2-17-59, Cl. 71-43.
- Dauberman, William H., and F. A. Woodbury, to Westinghouse Electric Corp. Selective polarity system for field application of synchronous motors. 2,871,434, 1-27-59, Cl. 318-175.
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- Daugherty, Charles C., to Republic Steel Corp. Recovery of manganese from ores. 2,890,103, 6-9-59, Cl. 23-145.
- Daugherty, Charles C., to Republic Steel Corp. Recovery of manganese from ores. 2,890,104, 6-9-59, Cl. 23-145.
- Daugherty, Daniel J.: See—  
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- Daugherty, Donald A.: See—  
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- Daugherty, Earl W., to Y. Daugherty. Method of and apparatus for recording television signals. 2,915,584, 12-1-59, Cl. 178-74.
- Daugherty, Harry V. Combination calliper, divider and compass. 2,886,893, 5-19-59, Cl. 33-157.
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- Daugherty, Patrick E.: See—  
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- Daugherty, Robert A., to The Fish Engineering Corp. Separator of well fluids. 2,916,103, 12-8-59, Cl. 183-27.
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- Daugherty, Yvonne: See—  
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- Daughtry, Albert E.: See—  
Dowdy, Lloyd F., and Daughtry. 2,904,373.
- Daugirdas, Kristupas, to National Pneumatic Co., Inc. Door controlling linkage. 2,893,506, 7-7-59, Cl. 180-82.
- Dauguet, Alexandre, to North American Philips Co., Inc. Stereophonic transmission system. 2,874,221, 2-17-59, Cl. 179-15.
- D'Augustine, Frank: See—  
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- Daukscher, Walter J., and S. Fox, to United States of America, Air Force. Variable frequency crystal controlled oscillator. 2,881,321, 4-7-59, Cl. 250-36.
- Daul, George C., H. F. Wise, and J. Wharton, to Courtaulds, Inc. Process for improving the properties of regenerated cellulose fibrous material wherein said material is treated while still in the gel state. 2,902,391, 9-1-59, Cl. 117-145.
- Daum, Edward J., to Boeing Airplane Co. Means and method of orienting a scale. 2,914,855, 12-1-59, Cl. 33-74.
- Dauman, Arnold, to Stamford Metal Specialty Co., Inc. Counter rack. 2,886,182, 5-12-59, Cl. 211-49.
- D'Auriac, Paul A.: See—  
Danel, Pierre F., and D'Auriac. Re. 24,632.
- Daus, John J., Jr., to Anchor Supply Co., Inc. Prefabricated tent frame. 2,874,708, 2-24-59, Cl. 135-4.
- Dalsch, Ernst, to SKF Kugellagerfabriken Gesellschaft mit beschränkter Haftung. Textile drawing mechanism. 2,900,675, 8-25-59, Cl. 19-135.
- Dausch, Ernst, to SKF Kugellagerfabriken Gesellschaft mit beschränkter Haftung. Support for the upper roller-carrying and load-applying arm of the drafting mechanism of spinning machines. 2,917,786, 12-22-59, Cl. 19-135.
- Dausch, Erwin, to SKF Kugellagerfabriken G. m. b. H. Drafting mechanism for spinning machines. 2,867,852, 1-13-59, Cl. 19-135.
- Dausch, Erwin, to SKF Kugellagerfabriken G. m. b. H. Textile drawing mechanisms. 2,870,487, 1-27-59, Cl. 19-134.
- Dauskardt, Franz, to Aktiebolaget Separator. Heat exchange system. 2,890,867, 6-16-59, Cl. 257-215.
- Davall, Charles R.: See—  
Kentgen, William A., Davall, Daniels, and Noyes. 2,901,337.
- Daveat Milk Processes Co.: See—  
Davies, Elmer S., and Petersen. 2,899,320.
- Davenport, Carlton R., and J. L. Mittler, to Lockheed Aircraft Corp. Barrel nut retainer having flexible resilient overlying web. 2,903,035, 9-8-59, Cl. 151-41.75.
- Davenport, Charles H., and B. E. Helberg, to Monsanto Chemical Co. Semi-chemical pulping process. 2,882,147, 4-14-59, Cl. 92-6.
- Davenport, Howard D. Well drilling apparatus. 2,883,156, 4-21-59, Cl. 255-4.

- Davenport Machine and Foundry Co.: See—  
Fischer, Albert M. 2,903,054.  
Fullett, Louis W., and Hagen. 2,902,263.
- Davenport, Ross G. Sub-caliber mechanism including a movable subcaliber barrel. 2,872,850, 2-10-59, Cl. 89-159.
- Davenport, William G., to Beaumont Birch Co. Recirculator conveyor. 2,916,134, 12-8-59, Cl. 198-85.
- Daverio & Cie. A. G.: See—  
Reist, Walter. 2,885,064.
- Davey, Edward L., to British Insulated Callender's (Submarine Cables) Ltd. Manufacture of multi-core electric cables. 2,882,677, 4-21-59, Cl. 57-156.
- Davey, Edward L., and W. Y. Murray, to British Insulated Callender's (Submarine Cables) Ltd. Mechanical protection of electric cables. 2,897,253, 7-28-59, Cl. 174-70.
- Davey, Gerald F., to Riley Stoker Corp. Air heater and dust collector. 2,886,294, 5-12-59, Cl. 257-1.
- Davey, Ira C., to F. J. Griesing, and to A. N. De Falco. Remotely controlled fencing score register. 2,916,287, 12-8-59, Cl. 273-1.
- Davey, James R., to Bell Telephone Laboratories, Inc. Diode comparison gate. 2,912,582, 11-10-59, Cl. 250-27.
- Davey, James R., and W. T. Rea, to Bell Telephone Laboratories, Inc. Telegraph start-stop synchronizer and corrector. 2,914,612, 11-24-59, Cl. 178-53.1.
- Davey, Joseph: See—  
Tapp, Ernest T. J., and Davey. 2,882,984.  
Tapp, Ernest T. J., and Davey. 2,918,131.
- Davey, Merton H., to D & P Minerals, Inc. Method of manufacturing briquettes and other bodies from serpentine. 2,879,155, 3-24-59, Cl. 75-3.
- Davey, Paul H., to P. H. Davey, Jr., and to J. T. Myers. Light metal vane for rotary compressor. 2,905,376, 9-22-59, Cl. 230-152.
- Davey, Paul H., Jr.: See—  
Davey, Paul H. 2,905,376.
- Davey, Peter E., to General Electric Co. Oil cooling system for compressors. 2,907,515, 10-6-59, Cl. 230-58.
- David, Albert, Ltd.: See—  
Mukherjee, Sudhir L. 2,891,067.
- David, Casimir: See—  
Bocharin, Leo Y. 2,901,021.
- David & David, Inc.: See—  
Nichols, Victor L., and Carshelis. 2,878,514.
- David, John L.: See—  
Micicche, Frank, and David. 2,894,574.
- David, William F. Trolling jig. 2,893,155, 7-7-59, Cl. 43-16.
- Davidoff, Dorsey, to International Telephone and Telegraph Corp. Bias power supply source. 2,906,964, 9-29-59, Cl. 331-144.
- Davidson, William C., to Nuclear-Chicago Corp. Nuclear radiation counters. 2,917,648, 12-15-59, Cl. 313-93.
- Davidson, Alex B., to Schenley Industries, Inc. Process for treatment of sewage. 2,875,151, 2-24-59, Cl. 210-4.
- Davidson, Allen R.: See—  
Merchant, Chester O., and Davidson. 2,877,814.
- Davidson, Arthur P. Pump. 2,887,958, 5-26-59, Cl. 103-103.
- Davidson, Carl E. Method of making expansible and retractable closures. 2,906,657, 9-29-59, Cl. 154-116.
- Davidson, Charles S.: See—  
Van Hartesveldt, Carroll H., and Davidson. 2,869,173.
- Davidson Corp.: See—  
Miskoff, Leonard. 2,893,730.  
Willett, John A. 2,878,122.
- Davidson, Donald E. Elevator for tripod. 2,883,875, 4-28-59, Cl. 74-424.6.
- Davidson, Donald T.: See—  
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- Davidson, Gareth M.: See—  
Rock, Robert O., and Davidson. 2,874,903.
- Davidson, Gareth M., to American Bosch Arma Corp. Trigonometric converter utilizing thermal elements. 2,917,237, 12-15-59, Cl. 235-179.
- Davidson, Glenn. Cigarette filter tip. 2,900,989, 8-25-59, Cl. 131-208.
- Davidson, Harold F., to Alamac Knitting Mills, Inc. Diapers. 2,905,176, 9-22-59, Cl. 128-284.
- Davidson, Haskell B. Infant chair attachment for a table. 2,895,536, 7-21-59, Cl. 155-78.
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- Davidson, Ivor M., to Power Jets (Research and Development) Ltd. Compressor and turbine blades. 2,917,274, 12-15-59, Cl. 253-77.
- Davidson, Jack H. Convertible test probe. 2,918,646, 12-22-59, Cl. 339-31.
- Davidson, James J.: See—  
Kidd, Marshall C., and Davidson. 2,905,747.
- Davidson, James J., to Radio Corp. of America. Direct coupled feedback transistor amplifier circuits. 2,900,456, 8-18-59, Cl. 179-171.
- Davidson, James P.: See—  
Renard, Roland E., Thorpe, and Davidson. 2,868,373.
- Davidson, James W., to Thompson Ramo Wooldridge, Inc. Wire cutting machine. 2,888,075, 5-26-59, Cl. 164-42.
- Davidson, Joe B. Collapsible plant container. 2,893,167, 7-7-59, Cl. 47-37.
- Davidson, John C.: See—  
Ingham, Lawrence A., and Davidson. 2,890,427.
- Davidson, John K.: See—  
Alter, Henry W., Davidson, Miller, and Mewherter. 2,868,707.
- Davidson, John T.: See—  
Kroemer, John H., and Davidson. 2,873,983.
- Davidson, John T., to The Standard Register Co. Automatic register. 2,869,897, 1-20-59, Cl. 282-20.
- Davidson, John T., to The Standard Register Co. Strip feeding mechanism. 2,885,053, 5-5-59, Cl. 197-133.
- Davidson, John T., R. D. Georgan, and R. L. Fortune, to The Standard Register Co. Capacitor control unit. 2,870,399, 1-20-59, Cl. 323-75.
- Davidson, Leo R. Apparatus for polishing work pieces. 2,891,357, 6-23-59, Cl. 51-7.
- Davidson, Leo R. Method, apparatus and compound for mechanically finishing work pieces. 2,899,777, 8-18-59, Cl. 51-7.
- Davidson, Norman R.: See—  
Seaborg, Glenn T., Thompson, and Davidson. 2,903,335.
- Davidson, Norman R., and S. Fried, to United States of America, Atomic Energy Commission. Method of preparing U<sub>2</sub>F<sub>6</sub>. 2,910,344, 10-27-59, Cl. 23-14.5.
- Davidson, Philip H., to United States of America, Atomic Energy Commission. Charge bottle for a mass separator. 2,894,135, 7-7-59, Cl. 250-41.9.
- Davidson, Philip H., to United States of America, Atomic Energy Commission. Apparatus for charging a receptacle with a dense sublimate form of uranium chloride. 2,900,237, 8-18-59, Cl. 23-264.
- Davidson, Richard C.: See—  
Bandy, Kenneth L., and Davidson. 2,900,143.
- Davidson, Robert H. Latch for dump truck tail gates. 2,905,529, 10-13-59, Cl. 296-56.
- Davidson, Ronald, to Cornell-Dubilier Electric Corp. Sealing means for capacitors. 2,873,304, 2-10-59, Cl. 174-52.
- Davidson, Samuel H.: See—  
Haslam, Robert, and Davidson. 2,871,786.
- Davidson, Samuel H., to Imperial Chemical Industries Ltd. Packages containing a material for use in blasting. 2,892,377, 6-30-59, Cl. 86-1.
- Davidson, Samuel H., D. A. Love, and H. T. Williams, to Imperial Chemical Industries Ltd. Blasting device. 2,899,462, 1-20-59, Cl. 102-25.
- Davidson, Theodore D.: See—  
Hollins, Jesse R. 2,886,743.
- Davidson, Trevor O., and G. J. Storatz, to International Harvester Co. Hydraulic carrying-lock for earth-working scrapers. 2,897,613, 8-4-59, Cl. 37-126.
- Davidson, William A.: See—  
Gimpel, Donald J., and Davidson. 2,877,398.  
Gimpel, Donald J., and Davidson. 2,918,574.
- Davidson, William E., to General Electric Co. Vacuum cleaner vaporizer. 2,890,761, 6-16-59, Cl. 153-37.
- Davidson, William W. Multi-purpose rotary printing press. 2,911,907, 11-10-59, Cl. 101-137.
- Davies, Charles. Air diffuser. 2,907,260, 10-6-59, Cl. 98-40.
- Davies, David K., and E. E. Schoessow, to The Babcock & Wilcox Co. Heat exchange apparatus. 2,904,013, 9-15-59, Cl. 122-32.
- Davies, David O.: See—  
Johnson, Christopher L., Morley, and Davies. 2,886,968.
- Davies, David O., to Rolls-Royce Ltd. Gas-turbine engine reheat fuel supply system with air turbine driven fuel pump. 2,872,781, 2-10-59, Cl. 60-35.6.
- Davies, David O., to Rolls-Royce Ltd. Temperature-sensitive arrangement for gas turbine engines. 2,911,831, 11-10-59, Cl. 73-343.
- Davies, David O., and J. S. Jones, to Rolls-Royce Ltd. Axial flow fluid machines. 2,910,268, 10-27-59, Cl. 253-39.15.
- Davies, Donald A., and J. O. Lalit, to Sperry Rand Corp. Auxiliary optical systems for use with computing gun sights. 2,884,829, 5-5-59, Cl. 88-1.
- Davies, Donald W.: See—  
Newman, Edward A., Davies, and Clayden. 2,891,723.
- Davies, Drury N., and L. F. Bull, to The Distillers Co. Ltd. Method of making glass reinforced plastic articles. 2,873,226, 2-10-59, Cl. 154-83.
- Davies, Elmer S., and F. D. Petersen, to Daveat Milk Processes Co. Process for the sterilization of milk. 2,899,320, 8-11-59, Cl. 99-216.
- Davies, Enoch D., to The Oilgear Co. Tensioning apparatus for extrusion presses. 2,893,552, 7-7-59, Cl. 207-1.
- Davies, Eric, and H. Mirzinski, to Marconi's Wireless Telegraph Co. Ltd. Receiver distortion suppression circuit. 2,882,393, 4-14-59, Cl. 250-20.
- Davies, Eric, and H. Mirzinski, to Marconi's Wireless Telegraph Co. Ltd. Interference reduction in television and other communication systems. 2,907,822, 10-6-59, Cl. 178-7.3.
- Davies, Gail F., and H. W. Dodds, to Cleveite Corp. Method of producing powdered titanium and titanium alloys. 2,892,697, 6-30-59, Cl. 75-5.
- Davies, Harold, to Thiokol Chemical Corp. Temperature compensating nozzle. 2,909,032, 10-20-59, Cl. 60-35.6.
- Davies, John T. Loose leaf holder and display device. 2,889,036, 6-2-59, Cl. 206-45.2.
- Davies, Leonard T., to Colcrete Ltd. Pumping apparatus. 2,879,920, 3-31-59, Cl. 222-23.
- Davies, Lloyd A.: See—  
Robinson, Glen, and Davies. 2,883,903.



- Davies, Richard E.: See—  
Marshall, Henry P., and Davies. 2,880,193.
- Davies, Robert R., to Imperial Chemical Industries Ltd., Metallizable azo dyestuffs. 2,872,440, 2-3-59, Cl. 260-143.
- Davies, Thomas H., to United States of America, Atomic Energy Commission, Separation of fission product values from hexavalent plutonium by carrier precipitation. 2,917,359, 12-15-59, Cl. 23-14.5.
- Davies, Thomas T., and D. G. Roberts, to Shell Development Co., Multi-stage sweetening process employing an alkaline hypochlorite solution. 2,915,461, 12-1-59, Cl. 208-190.
- Davies, William, to The United Steel Companies Ltd., Preparation of material for sintering. 2,914,395, 11-24-59, Cl. 75-5.
- Davis Aircraft Products Inc.: See—  
Davis, Frank L. 2,867,406.
- Davis, Alfred, to United States of America, Army, Azimuth sensing device. 2,885,565, 5-5-59, Cl. 250-231.
- Davis, Andrew W., to The Proctor Counter Co., Shoe counter. 2,877,571, 3-17-59, Cl. 36-68.
- Davis, Ariel R., Electric switchboards. Re. 24,586, 1-13-59, Cl. 200-16.
- Davis, Arnold R., to American Cyanamid Co., Process of plasticizing rubber with a 2-alkoxy-1-naphthalenethiol and products thereof. 2,912,403, 11-10-59, Cl. 260-30.8.
- Davis, Arthur E., to Sonoco Products Co., Concrete column form for square columns. 2,873,503, 2-17-59, Cl. 25-118.
- Davis, Benajah L., to The Upjohn Co., Washing clamp. 2,899,079, 8-11-59, Cl. 211-74.
- Davis, Benjamin H., to Standard Machinery Division of Franklin Research Corp., Automatic stock feed into extrusion apparatus. 2,875,469, 3-3-59, Cl. 18-2.
- Davis, Benjamin H., to The Standard Machinery Co., Stock anchor for snagless continuous stock reeling operations. 2,893,652, 7-7-59, Cl. 242-25.
- Davis, Benjamin I., Tool for closing bags and the like. 2,886,932, 5-19-59, Cl. 53-285.
- Davis, Carl H., and C. G. Grand, to Carlen Corp., Skin disinfectant containing polyoxyethylene alkyl phenol, calcium chelating agent and either an organic sulfate or sulfonate salt. 2,904,468, 9-15-59, Cl. 167-58.
- Davis, Charles A., to The Ohio Brass Co., Transformer valve. 2,872,353, 2-3-59, Cl. 251-98.
- Davis, Charles A., to The Ohio Brass Co., Dispenser for liquid petroleum gas. 2,886,035, 5-12-59, Cl. 137-382.
- Davis, Charles A., to W. J. Young Machinery Co., Inc., Clamp for heel dowering machines. 2,892,200, 6-30-59, Cl. 12-123.3.
- Davis, Charles C., to Westrex Corp., Magnetic tape record bearing a sound track and a control track. 2,878,321, 3-17-59, Cl. 179-100.2.
- Davis, Charles C., to Westrex Corp., Magnetic head with adjustable shield for controlling stray magnetic flux. 2,886,652, 5-12-59, Cl. 179-100.2.
- Davis, Charles F., Sliding door storage track arrangement. 2,904,852, 9-22-59, Cl. 20-19.
- Davis, Charles J., to Massey-Ferguson Inc., Boom actuating mechanism for mechanical shovels. 2,883,067, 4-21-59, Cl. 212-66.
- Davis, Charles J., to Massey-Ferguson Inc., Mechanical shovel apparatus for transport vehicles. 2,897,986, 8-4-59, Cl. 214-131.
- Davis, Charles J., to Massey-Ferguson Inc., Swivel seat for mechanical shovels. 2,912,130, 11-10-59, Cl. 214-131.
- Davis, Claude W., Fresh air breathing device. 2,902,032, 9-1-59, Cl. 128-145.
- Davis, Clifton H.: See—  
Hawkins, Harold V., Davis, Mahar, and Vinicky. 2,892,601.
- Davis, Clyde W., F. A. Ehlers, and T. G. Traylor, to The Dow Chemical Co., Copolymers of acrylonitrile and alkenylaromatic sulfonates, and dyeable fibers thereof. 2,913,438, 11-17-59, Cl. 260-79.3.
- Davis, David R., to General Electric Co., Pipe coupling having a radially expansible positive lock. 2,894,768, 7-14-59, Cl. 285-39.
- Davis, Dean W., to International Telephone and Telegraph Corp., Storage cathode ray tube. 2,916,661, 12-8-59, Cl. 315-11.
- Davis, Delmar B., and A. R. Tarsey, to Titanium Metals Corp. of America, Purification of crude titanium tetrachloride. 2,890,100, 6-9-59, Cl. 23-87.
- Davis, Donald W.: See—  
Hultkrans, Paul B., Griem, and Davis. 2,901,875.
- Davis, Dwight E.: See—  
Kolk, Anthony J., Jr., and Davis. 2,894,887.
- Davis, Edward A., Position indicating circuit. 2,902,685, 9-1-59, Cl. 340-332.
- Davis, Edwin P., to Van Norman Industries, Inc., Mechanical indicating apparatus for computing machines. 2,894,683, 7-14-59, Cl. 235-61.
- Davis, Ernest, and R. D. McCallum, to Ward Industries Corp., Filter for dry cleaning solvent and vibrating means for backwashing same. 2,886,178, 5-12-59, Cl. 210-333.
- Davis, Erwin S.: See—  
Lankford, Robert C., and Davis. 2,902,648.
- Davis, Ethel M.: See—  
Davis, George A. 2,899,012.
- Davis, Fenimore E., Patient transfer device. 2,918,681, 12-29-59, Cl. 5-81.
- Davis, Flavius E., to Anchor Mfg. Co., Meter box cover lock. 2,870,238, 1-20-59, Cl. 174-50.
- Davis, Flavius E., III, to Anchor Mfg. Co., Means for locking a cover on a meter box. 2,882,454, 4-14-59, Cl. 317-109.
- Davis, Francis J., G. S. Hurst, and P. W. Reinhardt, to United States of America, Atomic Energy Commission, Fast neutron spectrometer. 2,900,516, 8-18-59, Cl. 250-71.5.
- Davis, Frank L., to Davis Aircraft Products Inc., Heavy duty cargo tie-down. 2,867,406, 1-6-59, Cl. 248-361.
- Davis, Frank L., Web end connector. 2,896,288, 7-28-59, Cl. 24-230.
- Davis, Frank L., Litter brackets. 2,901,204, 8-25-59, Cl. 248-229.
- Davis, Frank L., Variable cargo tie-down equipment. 2,913,216, 11-17-59, Cl. 248-361.
- Davis, Frederick L., to Welox, Inc., Detachable shaft collars. 2,902,303, 9-1-59, Cl. 287-52.
- Davis & Furber Machine Co.: See—  
Koolstra, John A. 2,871,650.
- Davis, George, Clutch or brake mechanism. 2,891,644, 6-23-59, Cl. 192-75.
- Davis, George A., deceased, by E. M. Davis, legal representative, to Allied Chemical Corp., Process and apparatus for cooling coke oven gas. 2,899,012, 8-11-59, Cl. 183-2.
- Davis, George E., Jr., 1/2 to C. E. Justason, Lifting and mounting device for outboard motors. 2,903,147, 9-8-59, Cl. 214-512.
- Davis, George J., Hydraulic pallet lift truck. 2,877,982, 3-17-59, Cl. 254-19.
- Davis, George L.: See—  
Charlton, Maurice G., Davis, and Gentry. 2,873,208.
- Davis, George M., to National Research Development Corp., Control gating means for a digital computer. 2,902,217, 9-1-59, Cl. 235-152.
- Davis, Harlan L.: See—  
Stern, Lewis J., and Davis. 2,909,216.
- Davis, Harlan L., to Stubnitz-Greene Spring Corp., Seat springs. 2,880,787, 4-7-59, Cl. 155-179.
- Davis, Harold C., Jr.: See—  
Borup, Ronald J., and Davis. 2,896,056.
- Davis, Harry E., Method of making cellophane sticks. 2,884,757, 5-5-59, Cl. 57-165.
- Davis, Herbert B., Anti-corrosive valve having a rubber spring. 2,910,998, 11-3-59, Cl. 137-375.
- Davis, Herbert W., Beach cleaning attachment. 2,895,557, 7-21-59, Cl. 171-63.
- Davis, Hildred L.: See—  
Stern, Lewis J., and Davis. 2,909,216.
- Davis, Hollie M., Question and answer device using multiple rotating discs. 2,871,577, 2-3-59, Cl. 35-9.
- Davis, Horace R.: See—  
Errede, Louis A., Landrum, and Davis. 2,914,511.
- Sorensen, David P., and Davis. 2,870,216.
- Davis, Horace R., and D. P. Sorensen, to The M. W. Kellogg Co., Conversion of organic sulfides to sulfones. 2,870,163, 1-20-59, Cl. 260-327.
- Davis, Horace R., and D. B. Brandon, to The M. W. Kellogg Co., Alkylation of hydrocarbons. 2,880,235, 3-31-59, Cl. 260-683.63.
- Davis, Horace R., Jr., and D. P. Sorensen, to The M. W. Kellogg Co., Disproportionation of organic sulfoxides. 2,870,215, 1-20-59, Cl. 260-607.
- Davis, Howard C., and H. H. Kouns, Deferred action battery. 2,886,619, 5-12-59, Cl. 136-6.
- Davis, Hugh N., Jr., Panel wall construction. 2,877,877, 3-17-59, Cl. 189-85.
- Davis, Hyman, and J. J. Hartman, to Paramount Products, Inc., Dual sofa-bed assembly. 2,899,691, 8-18-59, Cl. 5-2.
- Davis, Jack, Self adjusting shaper for shoes. 2,879,527, 3-31-59, Cl. 12-115.8.
- Davis, Jacob M., and G. H. Hochmuth, to Kearney & Trecker Corp., Method of forming spiral blades. 2,903,569, 9-8-59, Cl. 219-153.
- Davis, Jacques A., Inc.: See—  
Fingerhut, Rudolph. 2,881,239.
- Davis, James F., Coffee maker. 2,868,109, 1-13-59, Cl. 99-282.
- Davis, James K., to Corning Glass Works, Electrical resistor and method. 2,915,730, 12-1-59, Cl. 338-309.
- Davis, James L., and J. H. Rowen, to Bell Telephone Laboratories, Inc., Broadband nonreciprocal devices. 2,909,738, 10-20-59, Cl. 333-98.
- Davis, James R., to The Trane Co., Multi-zone air conditioning unit. 2,894,728, 7-14-59, Cl. 257-9.
- Davis, John B., Double hung window. 2,886,148, 5-12-59, Cl. 189-65.
- Davis, John E.: See—  
Andrews, Kenneth E., and Davis. 2,878,346.
- Davis, John H.: See—  
Potosky, Maurice, Davis, and Hansburg. 2,886,773.
- Davis, John V., to The Udyllite Corp., Work-handling apparatus. 2,894,517, 7-14-59, Cl. 134-77.
- Davis, John V., to The Udyllite Corp., Plating apparatus. 2,912,094, 11-10-59, Cl. 198-85.
- Davis, John V., and L. J. Planowski, to The Udyllite Corp., Conveyor apparatus with controllable lifting and lowering means. 2,881,711, 4-14-59, Cl. 104-128.
- Davis, John W., to Girling Ltd., Disc brake for vehicles. 2,915,147, 12-1-59, Cl. 188-73.
- Davis, John W., to Girling Ltd., Disc brakes for vehicles. 2,918,990, 12-29-59, Cl. 188-73.
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- Davis, Kenneth J.: See—  
Gates, Thomas S., Bassoff, and Davis. 2,873,652.
- Davis, Kent L.: See—  
King, Donald L., and Davis. 2,899,068.
- Davis, L. Bernard: See—  
Herron, De Witt A. 2,885,077.
- Davis, Lawrence E.: See—  
Stiff, Henry A., Jr., and Davis. 2,875,836.
- Davis, Lincoln K., to United States of America, Navy, Pendulum potentiometer. 2,903,665, 9-8-59, Cl. 338-43.
- Davis, Luther, Jr., to Raytheon Mfg. Co., Microwave circuit controls. 2,892,984, 6-30-59, Cl. 333-31.
- Davis, Lynn N.: See—  
Brooks, William, Schray, and Davis. 2,890,059.
- Davis, Lynn N., to United Steel & Wire Co., Baby seat for telescoping cart. 2,890,057, 6-9-59, Cl. 280-33.99.
- Davis, Lynn N., to United Steel & Wire Co., Collapsible child's seat for a nesting type shopping carrier. 2,911,227, 11-3-59, Cl. 280-33.99.
- Davis, Lynn N., and W. H. Schray, to United Steel & Wire Co., Frame construction for a nesting shopping cart. 2,898,123, 8-4-59, Cl. 280-33.99.
- Davis, Lysander C., Jr., and J. W. Richardson, to Charleston Hosiery Processing Co., Inc., Circular knit fabric with raised areas. 2,872,800, 2-10-59, Cl. 66-172.
- Davis, Mace W., Backwater valve. 2,904,064, 9-15-59, Cl. 137-410.
- Davis, Martin A.: See—  
Winthrop, Stanley O., and Davis. 2,914,527.
- Davis, Melvin C., Well casing support and packing device. 2,880,806, 4-7-59, Cl. 166-138.
- Davis, Melvin C., Slip anchored type well casing support and packing device. 2,908,514, 10-13-59, Cl. 285-146.
- Davis, Merlin, Electronic musical instruments. 2,900,861, 8-25-59, Cl. 84-128.
- Davis, Michael, Travel bags. 2,887,196, 5-19-59, Cl. 190-43.
- Davis, Nelson L., Method and apparatus for sink and float separation for minerals of small particle size. 2,877,897, 3-17-59, Cl. 208-172.5.
- Davis, Paul R., to General Electric Co., Cathode. 2,913,615, 11-17-59, Cl. 313-178.
- Davis, Paul F., and H. T. Iveson, to The Glidden Co., Process for preparing a water-dispersible alcohol-soluble phosphate composition. 2,910,362, 10-27-59, Cl. 99-15.
- Davis, Peter J., Minnow and tackle container. 2,870,932, 1-27-59, Cl. 220-23.
- Davis, Philip E., Jr., Well tool for determining the torque applied to well pipe sections. 2,916,954, 12-15-59, Cl. 81-52.4.
- Davis, Putnam, to Jet Ignition Co., Inc., Spark plugs. 2,895,069, 7-14-59, Cl. 313-143.
- Davis, Ralph A.: See—  
Ruh, Robert P., and Davis. 2,871,274.
- Ruh, Robert P., and Davis. 2,908,724.
- Ruh, Robert P., Davis, and Broadworth. 2,885,427.
- Ruh, Robert P., Stowe, and Davis. 2,889,379.
- Davis, Ralph A., to The Dow Chemical Co., 1,1,2-trifluoroethylsulfonate and fumigation process. 2,878,156, 3-17-59, Cl. 167-39.
- Davis, Ralph B.: See—  
Walters, Peter C., and Davis. 2,896,528.
- Davis, Ralph C., to The Firestone Tire & Rubber Co., Vehicle suspension. 2,874,957, 2-24-59, Cl. 267-65.
- Davis, Raymond C.: See—  
Frel, Arthur J., and Davis. 2,895,312.
- Davis, Richard, to Standard Machinery Division of Franklin Research Corp., Extrusion apparatus with stock-displacing discharge end on feed screw. 2,878,512, 3-24-59, Cl. 18-12.
- Davis, Richard E.: See—  
Nitka, Norbert J., and Davis. 2,902,825.
- Davis, Robert G., to E. K. Cole Ltd., Ionisation chamber. 2,913,614, 11-17-59, Cl. 313-93.
- Davis, Robert O., to Gene Olsen Corp., Apparatus for stacking and unstacking building blocks. 2,869,739, 1-20-59, Cl. 214-16.4.
- Davis, Robert O., to Gene Olsen Corp., Pallet conveyor mechanism. 2,907,446, 10-6-59, Cl. 198-159.
- Davis, Robert S., Infant's crib with an adjustable mattress-supporting frame. 2,873,455, 2-17-59, Cl. 5-63.
- Davis, Roderic A., R. M. Gustafson, and S. Hnat, to International Business Machines Corp., Record card accounting machine. 2,880,932, 4-7-59, Cl. 235-61.7.
- Davis, Rodger E.: See—  
Beers, Max L., and Davis. 2,888,219.
- Davis, Roger A.: See—  
Ash, Denis J., and Davis. 2,885,956.
- Davis, Roy C., and P. E. Pierce, to The Guiberson Corp., Method and apparatus for gas lifting fluid from plural zones of production in a well. 2,917,004, 12-15-59, Cl. 103-233.
- Davis, Roy S., Egg grading machine. 2,872,040, 2-3-59, Cl. 209-121.
- Davis, Russell B., to E. I. du Pont de Nemours and Co., Device for transferring liquids. 2,917,068, 12-15-59, Cl. 137-205.
- Davis, Russell S.: See—  
Platz, Elwood T., and Davis. 2,874,247.
- Davis, Russell S., and J. Wittenberg, to I-T-E Circuit Breaker Co., Trolley duct with formed bus bars. 2,882,356, 4-14-59, Cl. 191-23.
- Davis, Sidney: See—  
Bock, Charles D., and Davis. 2,880,388.
- Davis, Sidney R.: See—  
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- Davis, Stanley W., Jr.: See—  
Levine, Morton A., and Davis. 2,915,607.
- Davis, Walter C., to The Sharples Corp., Food products. 2,890,961, 6-16-59, Cl. 99-205.
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- Davis, Walter M., and A. L. Fisher, to Monsanto Chemical Co., Process for producing substantially white sodium bisulfate. 2,893,836, 7-7-59, Cl. 23-121.
- Davis, Walter T., to Wheeling Stamping Co., Collapsible tube for ointments and the like. 2,893,613, 7-7-59, Cl. 222-566.
- Davis, Walter W., Polarized outlet and plug. 2,911,614, 11-3-59, Cl. 339-182.
- Davis, Weldon V.: See—  
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- Davis, Wilbur M., Game. 2,906,534, 9-29-59, Cl. 273-93.
- Davis, William H., Fishing lure. 2,892,280, 6-30-59, Cl. 43-42.5.
- Davis, William R.: See—  
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- Davis, William W., Control for a room air conditioner. 2,917,904, 12-22-59, Cl. 62-162.
- Davison, Alan, and R. Threadgold, to Automatic Telephone & Electric Co. Ltd., Counting circuits. 2,872,619, 2-3-59, Cl. 315-84.5.
- Davison, Alan, and R. Threadgold, to Automatic Telephone & Electric Co. Ltd., Electronic telephone system. 2,882,342, 4-14-59, Cl. 179-18.
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- Davison, Alan, and R. Threadgold, to Automatic Telephone & Electric Co. Ltd., Circuit arrangements for registering and retransmitting numbers. 2,909,763, 10-20-59, Cl. 340-173.
- Davison, Delphine L., Collapsible double wall container. 2,886,084, 5-12-59, Cl. 150-5.
- Davison, James M., and J. F. Erdmann, to Union Carbide Corp., Ethylene polymers. 2,870,130, 1-20-59, Cl. 260-94.9.
- Davison, Joseph W., to Phillips Petroleum Co., Thermal cracking process with an improved heat conservative quenching technique. 2,899,475, 8-11-59, Cl. 260-683.
- Davison, Joseph W., and J. R. Cobb, Jr., to Phillips Petroleum Co., Demethanization of cracked gases. 2,880,592, 4-7-59, Cl. 62-25.
- Davison, Joseph W., J. R. Williams, and R. A. Koble, to Phillips Petroleum Co., Cracking and separation process for making ethylene. 2,905,734, 9-22-59, Cl. 260-683.
- Davison, Lawrence L., Cable clamp. 2,867,875, 1-13-59, Cl. 24-133.
- Davison, Robert T. B., E. A. Eriksson, W. J. J. Gordon, and C. S. Marden, to American Machine and Metals, Inc., Liquid dispensing attachment for bottle, with means for automatically measuring a charge upon inversion of bottle. 2,883,086, 4-21-59, Cl. 222-67.
- Davison, Jacob W., and A. C. Finlay, to Chas. Pfizer & Co., Inc., Catenuin and its production. 2,895,876, 7-21-59, Cl. 167-65.
- Davison, Kenneth R.: See—  
Rahldridge, Walter M., and Davison. 2,871,021.
- Davitt, John H., Trash bag holder. 2,884,174, 4-28-59, Cl. 224-42.46.
- Davol Rubber Co.: See—  
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- Bray, Calvin S. 2,888,929.
- Bray, Calvin S. 2,889,063.
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- Kilcup, Ernest I. 2,898,941.
- Raiche, Paul A. 2,892,559.
- Davy, Geoffrey S., and G. E. Williams, to Imperial Chemical Industries Ltd., 2-allyl, 4-alkoxy phenol natural rubber stabilizers. 2,880,256, 3-31-59, Cl. 260-810.
- Davy, John C.: See—  
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- Dawkins, Edwin F., to Dewrance & Co. Ltd., Apparatus for depositing an annular metal coating upon a work-piece. 2,876,732, 3-10-59, Cl. 118-47.
- Dawkins, John E., to Collins Radio Co., Detent mechanism. 2,909,940, 10-27-59, Cl. 74-527.
- Dawkins, Kenneth, and W. G. Lind, to Franklin Mfg. Co., Nonpolarity sensitive indicating device. 2,912,650, 11-10-59, Cl. 324-106.
- Dawkins, Lacy L., High frequency tape recorder. 2,907,572, 10-6-59, Cl. 274-41.4.



- Dawkins, Percy R.: See—  
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- Dawson, Arden H., Jr. Process and apparatus for preventing loss of drilling fluid. 2,879,846, 3-31-59, Cl. 166-23.
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- Dawson, Collins T., to The W. E. Bassett Co. Case for tool. 2,876,536, 3-10-59, Cl. 30-155.
- Dawson, Dorothy L. Peripheral frame for throw rug. 2,918,397, 12-22-59, Cl. 154-49.
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- Dawson, Fred, to Comgo Shoe Machinery Corp. Adhesive applying machine. 2,867,189, 1-6-59, Cl. 118-409.
- Dawson, Fred C., R. Hilsley, J. L. Molliet, and H. W. G. Ziegler, to Imperial Chemical Industries Ltd. Compositions for use in the manufacture of light-sensitive photographic materials. 2,893,867, 7-7-59, Cl. 96-97.
- Dawson, Harvey B. Convertible vehicle and freight carrier. 2,883,231, 4-21-59, Cl. 296-1.
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- Dawson, Lyle R., to United States of America, Atomic Energy Commission. Method of separation of plutonium from carrier precipitates. 2,905,525, 9-22-59, Cl. 23-145.
- Dawson, Lyle R., and P. R. Fields, to United States of America, Atomic Energy Commission. Neptunium solvent extraction process. 2,907,628, 10-6-59, Cl. 23-145.
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- Dawson, Orville W., to M-W Sales. Fixture for positioning tool relative to grinding head. 2,911,770, 11-10-59, Cl. 51-219.
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- Day, Carl L., F. E. Fauth, and W. D. Regnier, to Crown Cork & Seal Co., Inc. Method and apparatus for preparing beverages. 2,870,016, 1-20-59, Cl. 99-79.
- Day, Carl L., and W. D. Regnier, to The Crown Cork & Seal Co. Case filling machine. 2,881,575, 4-14-59, Cl. 53-59.
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- Day, Carl L., F. E. Fauth, H. F. Finkle, and M. A. Reymann, Jr., to Crown Cork & Seal Co., Inc. Filling head. 2,896,674, 7-28-59, Cl. 141-39.
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- Day, Cyril L., to International Telephone and Telegraph Corp. Electron discharge device. 2,894,167, 7-7-59, Cl. 313-291.
- Day, Howard Q. Trailer placement tractor. 2,884,870, 5-5-59, Cl. 105-27.
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- Day, John T., to Merck & Co., Inc. Halogenation of 3-keto steroids. 2,907,776, 10-6-59, Cl. 260-397.45.
- Day, John T., R. L. Erickson, and R. H. Pettebone, to Merck & Co., Inc. N,N-dialkyl acylamide solvate of 1,4-pregnadiene-17a, 21-diol-3,11,20-trione-21-acylate and process of preparing such. 2,873,284, 2-10-59, Cl. 260-397.45.
- Day, John W. Wall mounted rotary vibrator. 2,876,765, 3-10-59, Cl. 128-56.
- Day, Lawrence, J. Dobrick, and A. Kay, to Spitfire Tool and Machine Co., Inc. Conditioning ring holding apparatus for lapping machines. 2,895,261, 7-21-59, Cl. 51-131.
- Day, Leslie, and W. A. MacNerland. Lubricator and sealing device. Re. 24,694, 9-1-59, Cl. 308-87.
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- Dazzi, Joachim, to Monsanto Chemical Co. Process of producing turpentine-unsaturated dicarboxylic ester adducts. 2,867,648, 1-6-59, Cl. 260-468.
- Dazzi, Joachim, to Monsanto Chemical Co. Vinyl chloride polymers plasticized with polycarboxylates. 2,870,111, 1-20-59, Cl. 260-31.8.
- Dazzi, Joachim, to Monsanto Chemical Co. Ethers of the furan series. 2,870,169, 1-20-59, Cl. 260-347.8.
- Dazzi, Joachim, to Monsanto Chemical Co. Amides. 2,875,218, 2-24-59, Cl. 260-404.5.
- Dazzi, Joachim, to Monsanto Chemical Co. Adducts of polyethylene and fumarates. 2,883,367, 4-21-59, Cl. 260-78.4.
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- Dazzi, Joachim, to Monsanto Chemical Co. Polyvinyl chloride plasticized with esters of N-aroylaspartic acids. 2,889,301, 6-2-59, Cl. 260-31.8.
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- Dazzi, Joachim, to Monsanto Chemical Co. Sperm oil ester adducts. 2,909,536, 10-20-59, Cl. 260-404.8.
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- Dazzi, Joachim, to Monsanto Chemical Co. Adducts of fumarate esters and alkenyl-substituted aromatic compounds. 2,913,482, 11-17-59, Cl. 260-475.
- Dazzi, Joachim, to Monsanto Chemical Co. Chloro-ethers. 2,913,499, 11-17-59, Cl. 260-613.
- D'Azzo, Errol P. Awning support. 2,890,853, 6-16-59, Cl. 248-273.
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- Deakin, Stanley T., to Siemens Edison Swan Ltd. Socket holders for electrical components. 2,908,885, 10-13-59, Cl. 339-193.
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- Dean, Charles A. Under-reamers. 2,868,510, 1-13-59, Cl. 255-76.
- Dean, Gilbert L., and H. O. Kramer. Fish lure hooks. 2,896,355, 7-28-59, Cl. 43-35.
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- Dean, John G., to United States of America, General Services Administration. Process for separating cobalt and nickel from ammoniacal solutions. 2,913,334, 11-17-59, Cl. 75-108.
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- Dean, Lawrence R.: See—  
Gunn, Donald A., Dean, and Senecal. 2,868,608.
- Dean, Lloyd E.: See—  
Hall, Dick S., Dean, Seyer, and Forkel. 2,880,078.
- Dean, Lloyd E., to Phillips Petroleum Co. Pebble flow rate controller. 2,897,008, 7-28-59, Cl. 302-53.
- Dean, Lloyd E., and F. S. Ivey, to Phillips Petroleum Co. Hydrogenation of unsaturated compounds present in hydrocarbons. 2,906,784, 9-29-59, Cl. 260-667.
- Dean, Lloyd G.: See—  
Williams, Edward J., Dean, and McCutchen. 2,888,369.
- Dean, Lloyd G., P. Ostowski, and K. Posey, Jr., to The Dow Chemical Co. Electrolytic production of magnesium metal. 2,880,151, 3-31-59, Cl. 204-70.
- Dean, Norman L. System for converting rotary motion into unidirectional motion. 2,886,976, 5-19-59, Cl. 74-112.
- Dean, Peter P. Overload protection for power drives. 2,901,076, 8-25-59, Cl. 192-150.
- Dean, Reginald S., to Chicago Development Corp. Method of producing crystalline metal. 2,875,038, 2-24-59, Cl. 75-84.5.
- Dean, Reginald S., to Chicago Development Corp. Method of reducing titanium oxide. 2,904,428, 9-15-59, Cl. 75-84.
- Dean, Reginald S., to Chicago Development Corp. Process for producing titanium crystals. 2,909,472, 10-20-59, Cl. 204-64.
- Dean, Reginald S., and L. D. Resnick, to Chicago Development Corp. Control methods for fused baths. 2,881,055, 4-7-59, Cl. 23-230.
- Dean, Reginald S., and W. W. Gullett, to Chicago Development Corp. Two step electrorefining of titanium alloys. 2,913,378, 11-17-59, Cl. 204-64.
- Dean, Reginald S., and W. W. Gullett, to Chicago Development Corp. Electro-refining titanium. 2,901,410, 8-25-59, Cl. 204-64.
- Dean, Reginald S., and W. W. Gullett, to Chicago Development Corp. Process for producing titanium group metals. 2,909,473, 10-20-59, Cl. 204-64.
- Dean, Robert P., to The Budd Co. Apparatus for making tab connections especially for forming honeycomb structures. 2,905,123, 9-22-59, Cl. 113-1.
- Dean, Russell T., and R. J. Scheffbauer, to Interchemical Corp. Coating vehicle. 2,867,593, 1-6-59, Cl. 260-22.
- Dean, Walter B., to The Budd Co. Chassis frame with tubular side sills for automobiles. 2,880,013, 3-31-59, Cl. 280-106.
- Dean, Walter B., to The Budd Co. Interior lining and baggage rack for vehicles such as railway cars and the like. 2,882,836, 4-21-59, Cl. 105-329.
- Dean, Walter B., to The Budd Co. Shaft drive assembly. 2,882,703, 4-21-59, Cl. 64-1.
- Dean, Walter B., to The Budd Co. Railway car truck. 2,908,230, 10-13-59, Cl. 105-182.
- Dean, Walter B., and H. M. Russell-French, to The Budd Co. Level control means for air spring supported vehicles. 2,883,179, 4-21-59, Cl. 267-3.
- Dean, Walter N., to Sperry Rand Corp. Pulse synchronizer. 2,873,444, 2-10-59, Cl. 343-103.
- Deanesly, Richard M., to Universal Oil Products Co. Production and recovery of aromatic hydrocarbons. 2,870,226, 1-20-59, Cl. 260-668.
- De Angelis, Angelo C., and H. E. Butterfield, Jr., to Dynamics Corp. of America. Grinding mill. 2,896,867, 7-28-59, Cl. 241-259.
- De Angelis, Angelo C., and H. E. Butterfield, Jr., to Dynamics Corp. of America. Ice cracking device. 2,905,397, 9-22-59, Cl. 241-188.
- De Angelis, Angelo C., and H. E. Butterfield, Jr., to Dynamics Corp. of America. Ice cracking apparatus. 2,905,398, 9-22-59, Cl. 241-257.
- De Angelis, Armand, to American Optical Co. Ophthalmic mountings. 2,868,074, 1-13-59, Cl. 88-47.
- De Angelis, Millet R.: See—  
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- Deans, Frederick E., W. Widdowson, and S. R. Davis, to The Bentley Engineering Co. Ltd. Knitting machine. 2,888,813, 6-2-59, Cl. 66-42.
- Deans, Frederick E., and C. H. Wainwright, to The Bentley Engineering Co., Ltd. Circular knitting machine of the superimposed needle cylinder type. 2,910,847, 11-3-59, Cl. 66-14.
- Dear, Jack B.: See—  
Jones, John W., and Dear. 2,904,325.
- Dearborn Chemical Co.: See—  
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Denman, Wayne L., and Hwa. 2,889,193.  
Gunderson, Lewis O., and Kerst. 2,902,447.  
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Hwa, Chih M. 2,903,432.
- Dearborn, Elizabeth C.: See—  
Shepherd, Ridgley G., Jr., and Dearborn. 2,871,221.
- Dearborn Fabricating & Engineering Co.: See—  
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- Dearborn, Frank K. Optical filters. 2,881,663, 4-14-59, Cl. 88-106.
- Dearborn, Frederick E. Sulfurized sterols. 2,910,468, 10-27-59, Cl. 260-239.5.
- Dearborn Gage Co.: See—  
Tomkow, Edward. 2,876,553.
- Deardorff, Eldon R.: See—  
Meyer, Alfred W., Roork, and Deardorff. 2,902,940.
- De Arespachaga, Fernando. Headlights. 2,905,850, 9-22-59, Cl. 313-113.
- Dearholt, John W., to Will Ross, Inc. Wrapper for surgical gloves. 2,908,308, 10-13-59, Cl. 150-52.
- Dearing, Clarence W., H. H. Gruczek, and H. A. Stone, to American Flange & Mfg. Co. Inc. Threaded closure flange with locking projections. 2,889,156, 6-2-59, Cl. 285-55.
- De Armond, Harry, and L. N. Meeker, to Rowe Industries. Electrical pick ups for musical instruments. 2,909,092, 10-20-59, Cl. 84-1.15.
- Dearsley, George, to American Machine & Foundry Co. Cigarette turn around apparatus. 2,919,012, 12-29-59, Cl. 193-33.
- Dearstye, John T., to General Aniline & Film Corp. Self setting shutters with flash synchronization. 2,909,976, 10-27-59, Cl. 95-11.5.
- Dearwater, Jerold R.: See—  
Capuder, Fred C., and Dearwater. 2,873,174.
- Deaton, Charles U., and C. D. Graber, to Diebold, Inc. Vault door construction. 2,869,485, 1-20-59, Cl. 109-61.
- Deatrick, Arthur H.: See—  
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- Deavenport, Joe E.: See—  
Eckess, William S., Sherman, and Deavenport. 2,888,525.
- Deavers, Clyde J.: See—  
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- De Back, William.: See—  
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- De Back, William, and S. Puccinelli, to Food Machinery and Chemical Corp. Fruit preparation machine. 2,882,945, 4-21-59, Cl. 146-40.
- De Barberis, Albert H.: See—  
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- De Bardeleben, Walker P.: See—  
Morgan, George C., and De Bardeleben. 2,888,966.
- Debarre, Francois.: See—  
Gailliot, Paul, and Debarre. 2,898,336.
- De Barrie, William E. Adjustable fitting. 2,895,752, 7-21-59, Cl. 287-20.
- Debat, Jacques, and A. Polgar: said Debat assor. to Societe Anonyme des Laboratoires du Dr. Debat. Mixing containers. 2,900,100, 8-13-59, Cl. 215-6.
- De Baun, John E., and A. E. Friedrich: said Friedrich assor. to said De Baun. Combined anti-skid and parking device. 2,893,500, 7-7-59, Cl. 180-1.
- Debay, Andre, and O. Sackur, to Societe Francaise de Recherches Biochimiques H. Besson & Cie. (Societe en Commandite par Actions). Phosphatidyl choline compounds. 2,899,449, 8-11-59, Cl. 260-403.
- De Bell, John M., Jr., to Allen B. Du Mont Laboratories, Inc. Multiplexing device. 2,909,774, 10-20-59, Cl. 343-176.
- De Benedictis, Aldo, and K. E. Furman, to Shell Development Co. Preparation of carboxylic acids. 2,913,489, 11-17-59, Cl. 260-514.
- De Benedictis, William, to I-T-E Circuit Breaker Co. Operating mechanism for variable depth enclosure. 2,890,302, 6-9-59, Cl. 200-50.
- De Benneville, Peter L.: See—  
Hurwitz, Marvin J., and de Benneville. 2,876,234.
- De Benneville, Peter L., and M. J. Hurwitz, to Rohm & Haas Co. Organic silicon compounds and methods for making them. 2,876,209, 3-3-59, Cl. 260-45.4.
- De Benneville, Peter L., and L. S. Luskin, to Rohm & Haas Co. Oxazine and oxazoline polymers. 2,897,182, 7-28-59, Cl. 260-85.5.
- De Benneville, Peter L., and L. S. Luskin, to Rohm & Haas Co. N-(vinylalkyl) acylamidoguanamines, method of making same, and copolymers thereof. 2,899,406, 8-11-59, Cl. 260-47.
- De Benneville, Peter L., and C. S. Hollander, to Rohm & Haas Co. Bis-iminodiacetamidoximes. 2,902,514, 9-1-59, Cl. 260-564.
- De Benneville, Peter L., and H. J. Sims, to Rohm & Haas Co. Surface-active formalis. 2,905,080, 9-22-59, Cl. 260-410.6.
- De Benneville, Peter L., and H. J. Sims, to Rohm & Haas Co. Surface-active formalis. 2,905,681, 9-22-59, Cl. 260-410.6.
- De Benneville, Peter L., and H. J. Sims, to Rohm & Haas Co. Surface-active formalis. 2,905,682, 9-22-59, Cl. 260-410.6.
- De Benneville, Peter L., and H. J. Sims, to Rohm & Haas Co. Surface-active acetals and formalis. 2,905,718, 9-22-59, Cl. 260-609.
- De Benneville, Peter L., and H. J. Sims, to Rohm & Haas Co. Surface-active acetals and formalis. 2,905,719, 9-22-59, Cl. 260-609.
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- De Benneville, Peter L., and H. J. Sims, to Rohm & Haas Co. Surface-active acetals and formalis and sulfur analogs thereof. 2,905,721, 9-22-59, Cl. 260-609.
- De Benneville, Peter L., and M. J. Hurwitz, to Rohm & Haas Co. New organic silicon compounds and methods of making them. 2,906,756, 9-29-59, Cl. 260-309.7.
- De Berry, Charles H., deceased (M. De Berry, administratrix), and A. J. Guidi, to De Berry, Guidi, and Andreadis d.b.a. Skyline Products. Apparatus for brewing coffee. 2,899,887, 8-18-59, Cl. 99-310.
- De Berry, Guidi, and Andreadis: See—  
De Berry, Charles H., and Guidi. 2,899,887.
- De Berry, Marcella.: See—  
De Berry, Charles H., and Guidi. 2,899,887.
- De Blasio, Conrad G. Direct current power source. Re. 24,598, 2-10-59, Cl. 323-22.
- Debo, Arno, to Joh. A. Benckiser G.m.b.H. Chemische Fabrik. Production of phosphoric and thiophosphoric dialkyl ester-hydrazides. 2,906,770, 9-29-59, Cl. 260-461.
- De Boer, Clarence, and J. W. Hinman, to The Upjohn Co. Amicetin A and its salts. 2,909,463, 10-20-59, Cl. 167-65.
- De Boer, Clarence, and J. W. Hinman, to The Upjohn Co. Amicetin C and its salts. 2,909,464, 10-20-59, Cl. 167-65.
- De Boer, Clarence, and J. W. Hinman, to The Upjohn Co. Amicetin and its production. 2,909,517, 10-20-59, Cl. 260-211.5.
- De Boer, Jan H., and A. L. de Gelder, to Stamcarbon N.V. Removing contaminations from water using paraffin oil and ferric chloride. 2,919,246, 12-29-59, Cl. 210-21.
- De Boer, Willis, and J. F. Conte, to Optical Gaging Products Inc. 3-dimension contour machine. 2,913,963, 11-24-59, Cl. 90-13.
- De Bolt, Richard R., and B. E. Powell, to California Research Corp. pH electrode holder. 2,884,365, 4-28-59, Cl. 204-195.
- De Boo, Jerome L., to Teletype Corp. Telegraph transmitter. 2,879,333, 3-24-59, Cl. 178-33.
- De Bozay, Frank. Self loading rapid painter. 2,916,755, 12-15-59, Cl. 15-132.5.
- Debrey, Michael. General purpose electric relay. 2,890,308, 6-9-59, Cl. 200-103.
- Debrle, Andre V. L. C. Apparatus for drying cinematographic films and the like. 2,882,611, 4-21-59, Cl. 34-71.
- Debrle, Andre V. L. C. Friction drive for photographic or cinematographic films and the like. 2,913,885, 11-24-59, Cl. 64-30.
- De Brigard, Juan P., and Q. B. Angarita. Apparatus for making masonry structures. 2,902,745, 9-8-59, Cl. 25-131.5.
- De Bruin, Hugo J., to Ideal Industries, Inc. Chuck for drill or the like. 2,894,759, 7-14-59, Cl. 279-97.
- De Bruyne, Norman A., G. S. Newell, and K. R. C. Perry, to Ciba Ltd. Self-sustaining adhesive sheet and process for producing the same as well as for uniting surfaces with it. 2,872,365, 2-3-59, Cl. 154-79.
- De Bruyne, Willem A. Cigarette rolling machine. 2,870,770, 1-27-59, Cl. 131-37.
- De Buda, Rudolf G., to Canadian General Electric Co., Ltd. Autotransformer tap changing connection. 2,883,612, 4-21-59, Cl. 323-57.
- De Bulgne, Frank, to La Salle Tool Co. Shuttle mechanism. 2,909,265, 10-20-59, Cl. 198-19.
- De Bulgne, Frank, to La Salle Tool, Inc. Fluid actuated clamping device. 2,917,896, 12-22-59, Cl. 60-52.
- Debus, Allen G., to Abbott Laboratories. Production of procaline dihydrogen phosphate. 2,874,180, 2-17-59, Cl. 260-472.
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- Debusk, Ralph E.: See—  
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- Decamp, Andre E. Artificial flowers. 2,881,545, 4-14-59, Cl. 41-13.
- De Cardl, Pedro.: See—  
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- Decarie, Alexander S. Distress signal for aeroplanes. 2,867,799, 1-6-59, Cl. 340-366.
- De Caro, Charles J., to Olin Mathieson Chemical Corp. Fastener arresting device for a power actuated tool. 2,904,787, 9-22-59, Cl. 1-44.5.
- De Castro, Arthur, C. H. Lighthipe, and T. F. Groll, Jr., to Nopco Chemical Co. Liquid defoaming composition. 2,868,734, 1-13-59, Cl. 252-358.

- De Cat, Arthur H., and R. K. Van Poucke, to Gevaert Photo-Producten N.V. Production of colored photographic images with oxidazole couplers. 2,897,079, 7-28-59, Cl. 96-55.
- Decat, Jules. Mechanical shoveller. 2,890,783, 6-16-59, Cl. 198-7.
- De Caumont, Albert S., to Societe Anonyme Hyperion. Electrode for discharge tubes. 2,917,650, 12-15-59, Cl. 313-205.
- Decca Record Co. Ltd. The: See—  
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Howell, Ronald T. A., and Young. 2,918,572.  
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- De Cenzo, Herbert A., and B. B. Willis, to On Mark Couplings, Inc. Split coupling for joining beaded tubes. 2,913,262, 11-17-59, Cl. 285-233.
- Decapoli, Carmine. Shuffleboard weight. 2,878,023, 3-17-59, Cl. 273-128.
- De Changy, Francois. Variator for calculating machines. 2,914,958, 12-1-59, Cl. 74-344.
- De Changy, Gilbert. Recording decelerometer. 2,903,320, 9-8-59, Cl. 346-7.
- Dechary, Joseph M.: See—  
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- De Chiara, Nicholas.: See—  
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- De Christoforo, George J., to E. I. du Pont de Nemours and Co. Coating composition comprising at least two vinyl polymers and lecithin. 2,877,922, 3-17-59, Cl. 220-64.
- Deckard, Leonard F.: See—  
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- Decker, Edmond L., to Southern Car and Mfg. Co. Valve actuating mechanism. 2,868,496, 1-13-59, Cl. 251-147.
- Decker, Edmond L., to R. W. Keiser. Means for transferring cargo shipping containers between container supporting means. 2,892,554, 6-30-59, Cl. 214-38.
- Decker, Elmer L.: See—  
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- Decker, Ferdinand A., Jr.: See—  
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- Decker, Frederick J., and M. H. Gregg, to The Caldwell Mfg. Co. Removable sash balance. 2,871,506, 2-3-59, Cl. 16-202.
- Decker, Frederick J., and M. H. Gregg, to The Caldwell Mfg. Co. Sash balance locking device. 2,901,768, 9-1-59, Cl. 16-202.
- Decker, Glenn E., deceased; H. C. Decker, administratrix. Garbage and refuse incinerator. 2,877,723, 3-17-59, Cl. 110-18.
- Decker, Hazel C.: See—  
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- Decker, Lambert. Toy earth satellite. 2,870,550, 1-27-59, Cl. 35-46.
- Decker, Lambert. Thermal gravity motor. 2,878,641, 3-24-59, Cl. 60-10.
- Decker, Lewellin C. Gun support. 2,873,902, 2-17-59, Cl. 224-1.
- Decker, Richard O., G. F. Pittman, Jr., R. I. Van Nice, J. P. Conner, W. G. Hall, and W. G. Evans, to Westinghouse Electric Corp. Control apparatus. 2,888,549, 5-26-59, Cl. 219-80.
- Decker, Richard O., and K. Chen, to Westinghouse Electric Corp. Multiplier circuit. 2,891,726, 6-23-59, Cl. 235-184.
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- De Clerck, Charles E., to Hazeltine Research, Inc. Typewriter carriage position indicator. 2,905,307, 9-22-59, Cl. 197-187.
- De Cola, Rinaldo E., to Admiral Corp. Mounting means. 2,869,041, 1-13-59, Cl. 317-101.
- De Cola, Rinaldo E., R. C. Carlson, and A. F. Adel, to Admiral Corp. Sonic wave generator. 2,868,156, 1-13-59, Cl. 116-137.
- De Cola, Rinaldo E., R. C. Carlson, and E. H. Schrot. Turret tuner with peripherally extending contact carrying straps forming part of tuned circuit. 2,898,563, 8-4-59, Cl. 336-142.
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- De Coriolis, Ernest G., to Surface Combustion Corp. Rotating drum heat-treating furnace with internal fan. 2,898,099, 8-4-59, Cl. 263-34.
- De Coriolis, Ernest G., R. Hanna, and A. W. Peters, to Surface Combustion Corp. Dew point indicator. 2,893,237, 7-7-59, Cl. 73-17.
- Decourt, Ralph R. Automatic process and apparatus for indicating the necessity of readjusting the level of the electrolyte in accumulators of automotive vehicles. 2,869,114, 1-13-59, Cl. 340-249.
- De Crescenzo, Anthony. Portable vibrating and water therapy device. 2,905,171, 9-22-59, Cl. 128-53.
- Decuir, Perry J. Wire fishing tool. 2,886,369, 5-12-59, Cl. 294-86.
- Dede, Joseph B., Jr., to Monsanto Chemical Co. Modified urea adhesives. 2,890,148, 6-9-59, Cl. 154-133.
- Dedekind, Lowell W. Rotary cutter. 2,893,111, 7-7-59, Cl. 29-105.
- Deedman, Noel, to Bernardin Bottle Cap Co., Inc. Caps for fuel tanks. 2,918,192, 12-22-59, Cl. 220-44.
- Deedman, James F. Wirebound snap-on crate. 2,901,141, 8-25-59, Cl. 217-48.
- De Dominici, Giovanni. Smoke suction installation for electric metal melting furnaces. 2,908,737, 10-13-59, Cl. 13-10.
- De Dona, Mario J., to General Motors Corp. Hinge and hold-open. 2,873,470, 2-17-59, Cl. 16-146.
- Dec, John C. Swimming pool filter. 2,878,938, 3-24-59, Cl. 210-193.
- Deebel, George F., and P. C. Hamm, to Monsanto Chemical Co. Method of destroying undesired grass. 2,879,150, 3-24-59, Cl. 71-2.5.
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- Deems, Frank E., and A. L. Smith, to Continental Gin Co. Cotton drier and feed control. 2,883,709, 4-28-59, Cl. 19-69.
- Deenik, Johan F., and J. A. Elisses, to N.V. Nederlandse Spanbeton Maatschappij. Device for connecting a block and two rods or tubes arranged at an angle to each other. 2,904,361, 9-15-59, Cl. 287-54.
- Deer, Leon L., to The Diversey Corp. Cleaning aluminum. Re. 24,596, 1-27-59, Cl. 134-3.
- Deer Lodge Mfg. Co.: See—  
Roy, Albert E. 2,884,094.
- Deere & Co.: See—  
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Ackley, John W. 2,891,694.  
Allen, James R., Kress, and Bunnelle. 2,892,312.  
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Bolt, Robert H. 2,877,875.  
Brown, Theophilus. Re. 24,629.  
Burkland, Theodore L. 2,871,531.  
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Cook, Curtiss L. 2,904,165.  
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Coultas, Wilbur J. 2,870,852.  
Coultas, Wilbur J. 2,906,079.  
Coultas, Wilbur J. 2,915,869.  
Coultas, Wilbur J. 2,918,776.  
Du Shane, Wallace H. 2,871,967.  
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- Edman, John H., and Jirsa. 2,878,043.  
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 Gustafson, Blaine W. 2,909,859.  
 Hadley, Howard C. 2,899,794.  
 Harriott, Billie L. 2,900,193.  
 Harris, Kenneth J., and Hess. 2,871,963.  
 Harris, Kenneth J., and Miller. 2,890,603.  
 Heising, Robert A. 2,905,343.  
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 Hunter, George D. 2,904,119.  
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 Jones, Frank D. 2,882,669.  
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 McClellan, Marcus E. 2,871,643.  
 Mobley, George A. 2,883,710.  
 Morrison, Charles S. 2,900,034.  
 Morrison, Charles S. 2,911,978.  
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 Oehler, William P., and Hansen. 2,919,078.  
 Oehler, William P., and Immesoete. 2,917,117.  
 Oehler, William P., Immesoete, and Reeder. 2,917,012.  
 Oehler, William P., and Johnson. 2,881,849.  
 Oehler, William P., and Johnson. 2,891,460.  
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- Deere Mfg. Co.: See—  
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 Gray, Coy J. 2,900,218.  
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- Deering, Roland F., J. H. Durr, and R. P. Vaell, to Union Oil Co. of California. Solids-fluid contacting process and apparatus. 2,913,399, 11-17-59, Cl. 208-136.
- Defabaugh, Charles E.: See—  
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- De Falco, Anthony N.: See—  
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- De Falco, Anthony, 1/2 to M. M. Merriam, and 1/2 to L. J. Garofalo. Foldable play pen. 2,895,717, 7-21-59, Cl. 256-25.
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- De Faymoreau, Etienne, F. Singer, Jr., and H. R. Wolter, to International Telephone and Telegraph Corp. Test set. 2,912,688, 11-10-59, Cl. 343-106.
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- De Faymoreau, Etienne C. L., and M. Mandel, to International Telephone and Telegraph Corp. Triggered pulse generator. 2,908,874, 9-29-59, Cl. 250-27.
- De Faymoreau, Etienne C. L., and M. Mandel, to International Telephone and Telegraph Corp. Searching and tracking receiver. 2,916,738, 12-8-59, Cl. 343-106.
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- Defensor A. G.: See—  
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- Deffenbaugh, James F.: See—  
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- De Phillips, Paul: See—  
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- De Fino, Armond A.: See—  
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- De Fino, Frank J., and A. A. Trosser waistband and pleat process. 2,908,427, 10-13-59, Cl. 223-73.
- De Flore, Joseph: See—  
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- De Flon, James G., to The Fluor Corp., Ltd. Scavengable water delivery ducts for cooling towers. 2,886,126, 5-12-59, Cl. 183-26.
- De Flon, James G., to The Fluor Corp., Ltd. Cooling tower wall assembly. 2,889,584, 6-9-59, Cl. 20-1.
- Deford, Donald E.: See—  
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- De Ford, Perl E., 25% to R. Gould, and 25% to E. Tolman. Hydraulic and planetary gear transmission. 2,869,398, 1-20-59, Cl. 74-688.
- De Ford, Robert K., and W. H. Day, Jr., said Day assor. to said de Ford. Cigarette package with self-locking closure and built-in match supply. 2,891,712, 6-23-59, Cl. 229-44.
- De Fore, Thomas M. Pedal operated stool or similar device. 2,884,989, 5-5-59, Cl. 155-93.
- De France, Henri G. Color television systems. 2,876,278, 3-3-59, Cl. 178-52.
- De Fromont, Michel: See—  
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- Deg Corp., The: See—  
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- Dega, Robert L., to General Motors Corp. Centrifuge for liquids. 2,878,995, 3-24-59, Cl. 233-27.
- Dega, Robert L., to General Motors Corp. Centrifuge for clarifying fluid. 2,898,037, 8-4-59, Cl. 233-21.
- Dega, Robert L., to General Motors Corp. Centrifuge for cleaning fluids. 2,900,129, 8-18-59, Cl. 233-28.
- De Ganahl, Carl. Methyl cellulose coated polyester tape. 2,897,099, 7-28-59, Cl. 117-138.8.
- De Gee, Bob, to American Enka Corp. Apparatus for the production of high tenacity viscose rayon yarn. 2,898,629, 8-11-59, Cl. 18-8.
- De Gelder, Arthur L.: See—  
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- De Gelleke, Gerrit, to Cameron Machine Co. Carrier for rotary knife for web-slicing machine. 2,895,553, 7-21-59, Cl. 164-70.
- De Gelleke, Gerrit, to Cameron Machine Co. Fluid pressure actuated operator for a disk brake. 2,911,071, 11-3-59, Cl. 188-72.
- Degen, Alexander A. C. Recording machines. 2,906,583, 9-29-59, Cl. 346-94.
- Degenhardt, Gilbert. Feed and process of and apparatus for producing same. 2,905,557, 9-22-59, Cl. 99-2.
- Degenhardt, Wilmar W., to J. I. Case Co. Adjustable crop pickup drum stripper. 2,880,564, 4-7-59, Cl. 56-364.
- De Genova, Andrew. Tool for removing spring nuts. 2,915,927, 12-8-59, Cl. 81-3.
- Degering, Edward F.: See—  
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- Degginger, Edward R., and E. E. Gilbert, to Allied Chemical Corp. Method for combating fungus and fungicidal composition therefor. 2,899,355, 8-11-59, Cl. 167-30.
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- Degen, William J., to The M. W. Kellogg Co. Means for introducing lift gas to vertical catalyst riser within a reaction chamber. 2,919,240, 12-29-59, Cl. 208-47.
- Degen, William J., to The M. W. Kellogg Co. Method and means for introducing a reactant vapor to a fluidized bed of contact material. 2,919,243, 12-29-59, Cl. 208-150.
- De Gooreynd, Peter M. J. K.: See—  
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- De Gooreynd, Peter M. J. K., and L. J. Saxty, to Peterlite Products Ltd. Mouldable materials. 2,910,456, 10-27-59, Cl. 260-77.5.
- De Gozzaldi, Alfred J.: See—  
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- De Graaf, Eduard M.: See—  
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- De Graffenried, Albert L., to R. J. R. Q., S. R., and M. V. Stockholm, jointly. Tire alarm system. 2,894,246, 7-7-59, Cl. 340-52.
- De Gray, William G., 50% to H. Verdes. Hand rail mounting bracket. 2,903,223, 9-8-59, Cl. 248-221.
- De Grazia, Joseph, to United States of America, Army. Garment hood. 2,870,452, 1-27-59, Cl. 2-203.
- De Groote, Melvin, and F. E. Mange, to Petrolite Corp. Process of oxidizing mixture of microcrystalline wax, hydroxylated polyethylene and polyethylene, and products produced thereby. 2,879,237, 3-24-59, Cl. 260-28.5.
- De Groote, Melvin, and F. E. Mange, to Petrolite Corp. Process of oxidizing mixture of microcrystalline wax, mono-carboxylated polyethylene and polyethylene, and product produced thereby. 2,879,238, 3-24-59, Cl. 260-28.5.
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- De Groote, Melvin, and F. E. Mange, to Petrolite Corp. Process of oxidizing mixture of microcrystalline wax, an ester of mono-carboxylated polyethylene and polyethylene, and product produced thereby. 2,879,241, 3-24-59, Cl. 260-28.5.
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- De Groote, Melvin, and K.-T. Shen, to Petrolite Corp. Certain oxyalkylated polyepoxide-treated amine-modified thermoplastic phenol aldehyde resins, and method of making same. 2,888,427, 5-26-59, Cl. 260-45.
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- De Haan, Fred B., to The Okonite Co. Continuous vulcanizer. 2,908,035, 10-13-59, Cl. 18-6.
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- De Havilland Engine Co. Ltd., The: See—  
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- De Havilland Propellers Ltd.: See—  
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- De Hay, William H.: See—  
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- Dehn, Roy F., to The Cleveland Crane & Engineering Co. Adjustable clutch for metal forming machines. 2,874,816, 2-24-59, Cl. 192-111.
- Dehn, William F., and C. R. Dickinson, to Allen-Bradley Co. Variable resistance control. 2,868,931, 1-13-59, Cl. 201-55.
- Dehlag, Deutsche Hydrierwerke G.m.b.H.: See—  
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- Gündel, Wolfgang. 2,891,065.
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- Delbel, Raymond A., and M. Bitzer, to Trico Products Corp. Windshield cleaner. 2,869,167, 1-20-59, Cl. 15-253.
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- De-Icers, Inc.: See—  
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- Delchert, Robert W., to Allen B. Du Mont Laboratories, Inc. Gamma correction amplifier. 2,884,484, 4-28-59, Cl. 178-5.4.
- Delighton, William W., to Burroughs Corp. Program scanning apparatus. 2,906,838, 9-29-59, Cl. 200-105.
- Delighton, William W., G. M. Du Gan, A. G. Markgraf, and D. E. Stromback, to Burroughs Corp. Data storage, read-out and transfer apparatus. 2,914,759, 11-24-59, Cl. 340-365.
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- Delly, Fredric H., to Jersey Production Research Co. Coring subterranean formations. 2,915,255, 12-1-59, Cl. 255-1.4.
- Deininger, Clifford F.: See—  
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- Deinlein, Victor E., and T. B. Tisdale, to Acme Visible Records, Inc. Adjustable partitions for receptacle. 2,914,211, 11-24-59, Cl. 220-22.
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- Deise, Louis F., and R. E. Lee, to United States of America, Navy. Frequency shift transmission system. 2,883,524, 4-21-59, Cl. 250-17.
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- Delist, James C., to Scovill Mfg. Co. Automatic coffee percolator. 2,904,667, 9-15-59, Cl. 219-44.
- Delitch, Jacob, to Charwick Cabinet Corp. Adjustable shelf bracket. 2,890,012, 6-9-59, Cl. 248-242.
- Deltrick, Stapleton C., Jr., to Combustion Engineering, Inc. Vapor generator having a vapor heater with a novel outlet header. 2,900,174, 8-18-59, Cl. 257-241.
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- Deltz, Jennings D. Cover for telephone exchange apparatus. 2,869,606, 1-20-59, Cl. 150-52.
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- De Jarnett, Frank D., to P. A. Medearis. Pipe-handling apparatus for oil wells. 2,885,096, 5-5-59, Cl. 214-2.5.
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- De Jong, Geert J., to Stamicarbon N.V. Selective ion-permeable membranes. 2,867,575, 1-6-59, Cl. 204-296.
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- De Lachner, Helicopters, Inc.: See—
- De Wiess, Ferdinand A., and Abbott. 2,881,282.
- De Lacy, Joseph H. Camera shutter. 2,870,697, 1-27-59, Cl. 95-61.
- De la Flor, Felix C. Demountable rim for vehicle tires. 2,899,239, 8-11-59, Cl. 301-31.
- Delafontaine, Charles, to The Bank of America National Trust and Savings Association. Strip cleaning device. 2,879,779, 3-31-59, Cl. 134-64.
- Delafontaine, Charles, to Bank of America Trust and Savings Association. Strip sharpening machine. 2,911,762, 11-10-59, Cl. 51-87.
- De La Hunt, Stanley G.: See—
- Bauer, Armand C. 2,916,008.
- De Lallo, Louis D., to Sperry Rand Corp. Magnetic amplifier. 2,904,744, 9-15-59, Cl. 323-89.
- De La Mater, George B., to Mallinckrodt Chemical Works. X-ray contrast composition comprising substantially amylose-free amylopectin in aqueous solution of contrast agent. 2,870,063, 1-20-59, Cl. 167-95.
- De La Mater, George B., to Mallinckrodt Chemical Works. Iodophenylamidoalkanesulfonic acid compounds. 2,913,451, 11-17-59, Cl. 260-211.
- De Lamater, Georgia K. Therapeutic boot. 2,888,016, 5-26-59, Cl. 128-260.
- Delamater, Roland E., to The Foote-Burt Co. Cutting tool support. 2,918,720, 12-20-59, Cl. 29-26.
- Deland, Paul. Dispensing machine for heavy articles. 2,916,186, 12-8-59, Cl. 221-106.
- Delander, John B. Ironing board cover. 2,871,590, 2-3-59, Cl. 38-140.
- Delaney, Alice M. Feminine hygienic device. 2,917,049, 12-15-59, Cl. 128-285.
- Delaney, Cyril T.: See—
- Broad, Charles S. 2,871,338.
- Delaney, Edward J. Combination tow, lift and light bar. 2,907,295, 10-6-59, Cl. 114-235.
- Delaney, John R. Writing board. 2,881,009, 4-7-59, Cl. 281-44.
- De Lang, Hendrik, to North American Phillips Co., Inc. Dichroic cross-mirror optical system. 2,889,734, 6-9-59, Cl. 88-1.
- De Lang, Hendrik, to North American Phillips Co., Inc. Colour-selective optical system corrected with regard to astigmatism. 2,896,499, 7-28-59, Cl. 88-1.
- De Lange, Owen E., to Bell Telephone Laboratories, Inc. Pulse modulation regenerative repeaters. 2,868,965, 1-13-59, Cl. 250-15.
- De Lange, Owen E., to Bell Telephone Laboratories, Inc. Microwave pulse circuits. 2,912,581, 11-10-59, Cl. 250-27.
- De Lange, Owen E., to Bell Telephone Laboratories, Inc. Microwave switching circuits. 2,914,671, 11-24-59, Cl. 250-27.
- De Langen, Lambertus H., to American Enka Corp. Denaturation of viscous liquids. 2,887,267, 5-19-59, Cl. 233-27.
- De Langen, Lambertus H., to American Enka Corp. Anti-friction bearing arrangement for spindles and the like. 2,906,087, 9-29-59, Cl. 57-77.45.
- Delano, Clyde N. Operating mechanism for amusement devices. 2,915,311, 12-1-59, Cl. 272-53.1.
- De Lano, Ralph B., Jr.: See—
- Koelsch, Albert C., Jr., and de Lano. 2,909,973.
- De Lano, Ralph B., Jr., to International Business Machines Corp. Display apparatus employing electrooptical devices. 2,909,972, 10-27-59, Cl. 95-4.5.
- De Lano, Ralph B., Jr., and D. R. Young, to International Business Machines Corp. Non-volatile barium titanate storage tube. 2,872,612, 2-3-59, Cl. 315-12.
- De Lany, Beatrice P., and P. L. Copeland. Cathode. 2,902,618, 9-1-59, Cl. 313-163.
- De Lap, Robert A., to The Dow Chemical Co. Stabilized ethyl cellulose compositions. 2,914,416, 11-24-59, Cl. 106-177.
- Delaplace, René P., to Societe Anonyme dite: Societe Generale Isothermos. Device for protecting the end faces of plain bearings. 2,913,291, 11-17-59, Cl. 308-237.
- De La Rue Co. Ltd.: See—
- Knops, Ivan P., and Camps. 2,887,046.
- Knops, Ivan P., and Camps. 2,901,970.
- Richardson, Frank A. 2,911,216.
- Richardson, Frank A. 2,912,242.
- Delarue, Henri P., to Compagnie Francaise des Matieres Colorantes. New dyestuffs derived from perinones and a process for their preparation. 2,891,061, 6-16-59, Cl. 260-251.
- De Lassus St-Genies, Anne H. J. Devices for viewing with magnification relief images on lenticulated films. 2,873,643, 2-17-59, Cl. 88-1.
- De la Tramerye, Raymond, and J. Hébert. Motor vehicle with articulated body sections to facilitate parking. 2,915,132, 12-1-59, Cl. 180-1.
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- De Laval Steam Turbine Co.: See—
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- Delavan Mfg. Co.: See—
- Johnson, Alvin K. 2,908,293.
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- Levy, William B., and Roehm. 2,902,832.
- De Lay, Manford S. Adjustable king pin and landing gear assembly for trailer trucks. 2,889,154, 6-2-59, Cl. 280-407.
- De Lay, Manford S. Load equalizer for trailer. 2,900,194, 8-18-59, Cl. 280-34.
- Del Camp, Scipione M., to Clinch Mfg. Corp. Tube socket and capacitor assembly. 2,874,342, 2-17-59, Cl. 317-257.
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- Weinberger, Jan V., and Delcellier. 2,901,884.
- Delcellier, Henri A., and J. V. Weinberger. Heat resistant woven cloth. 2,884,018, 4-28-59, Cl. 139-408.
- Del Cerro, Horacio G. P. Wind-screen wiper of combined effect. 2,879,535, 3-31-59, Cl. 15-256.
- De Leonadis, Michael J. Device for heating a heat transfer medium. 2,894,493, 7-14-59, Cl. 122-135.
- Del Faro, Gordon P.: See—
- Overmire, Milton O., and Del Faro. 2,881,985.
- Del Francia, Joel A. Gas fired broiler. 2,898,846, 8-11-59, Cl. 99-443.
- Del Francia, Joel A. Adjustable grid broiler. 2,905,076, 9-22-59, Cl. 99-443.
- Del Francia, Joel A. Quick heat broiler. 2,905,077, 9-22-59, Cl. 99-446.
- Del Francia, Joel A. Deep fat fryer. 2,912,975, 11-17-59, Cl. 126-391.
- Delfs, Delf: See—
- Müller, Karl W., and Delfs. 2,872,355.
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- Hinckley, Alfred A., and Del Guidice. 2,900,224.
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- Della, Nicola. Therapeutic device. 2,878,493, 3-24-59, Cl. 5-327.
- Dellne, Albert E., to Michigan Chemical Corp. Methyl bromide package. 2,890,794, 6-16-59, Cl. 206-84.
- Dellot, Maurice J., to Societe Peugeot & Cie. Electric hammer. 2,873,735, 2-17-59, Cl. 125-33.
- De Lippa, Michael: See—
- Huddie, Roy A. U. Pearson, and de Lippa. 2,901,346.
- Dellso, John. Socket and rod coupling. 2,869,907, 1-20-59, Cl. 287-126.
- Dellso, John. Socket and rod coupling. 2,893,769, 7-7-59, Cl. 287-126.
- Delker, Thomas C., to Bendix Aviation Corp. Co-rotating dual wheel construction. 2,893,784, 7-7-59, Cl. 301-36.
- Delker, Thomas C., and W. J. Eaton, to Bendix Aviation Corp. Castered dual wheel assembly. 2,905,505, 9-22-59, Cl. 301-36.
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- Dell, Gallard W., to Parker Rust Proof Co. Chromate-fluoride type coating solutions and method of treating metal surfaces therewith. 2,868,682, 1-13-59, Cl. 148-6.16.
- Dell, Hugh A., and M. A. Snelling, to North American Phillips Co., Inc. Flying spot scanning system for particle counting apparatus. 2,903,597, 9-8-59, Cl. 250-217.

- Dell, Jacob H.: See—
- Clevenger, Walton S., and Dell. 2,902,271.
- Dell, Thomas D., 50% to Palizzio, Inc. Shoe heel applying apparatus. 2,881,439, 4-14-59, Cl. 1-32.
- Della Libera, Juan B. Musical instrument. 2,910,906, 11-3-59, Cl. 84-170.
- Della Porta, Paolo. Getter container. 2,907,451, 10-6-59, Cl. 206-4.
- Dellinger, Daniel H., and J. W. McIlwraith, to Associated Box Corp. Platform. 2,870,981, 1-27-59, Cl. 248-120.
- Dellner, Raymond P., to Westinghouse Air Brake Co. Airline oiler. 2,897,919, 8-4-59, Cl. 184-55.
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- Del Matter, Lofton L., 50% to J. Bellinod. Bolt dipping and holding device. 2,883,783, 4-28-59, Cl. 43-4.
- Delmonte, John, to Furane Plastics Inc. Epoxy resin compositions. 2,890,204, 6-9-59, Cl. 260-47.
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- De Long, Leon B., and Suderow. 2,906,100.
- Suderow, George E. 2,870,639.
- Suderow, George E. 2,873,580.
- Suderow, George E. 2,908,142.
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- De Long, Herbert K., to The Dow Chemical Co. Anodizing magnesium. 2,901,409, 8-25-59, Cl. 204-56.
- De Long, Leon B., and G. E. Suderow, to De Long Corp. Method and apparatus for erecting a deep water offshore platform. 2,877,629, 3-17-59, Cl. 61-46.5.
- De Long, Leon B., and G. E. Suderow, to De Long Corp. Method of operating portable marine structure. 2,906,100, 9-29-59, Cl. 61-46.5.
- De Long, Vincent R., to Collins Radio Co. Servosystem adapted for automatic adjustment of radio transmitters. 2,886,752, 5-12-59, Cl. 318-28.
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- De Lorean, John Z., to Studebaker-Packard Corp. Transmission. 2,873,618, 2-17-59, Cl. 74-645.
- De Lorean, John Z., to Studebaker-Packard Corp. Transmission. 2,885,908, 5-12-59, Cl. 74-677.
- De Lorean, John Z., to Studebaker-Packard Corp. Automatic transmission with split drive in high range. 2,889,715, 6-9-59, Cl. 74-688.
- De Lorean, John Z., to General Motors Corp. Universal joint. 2,898,750, 8-11-59, Cl. 64-8.
- De Lorean, John Z., to General Motors Corp. Universal joint. 2,906,105, 9-29-59, Cl. 64-8.
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- Delphier, Jean P. Multi-purpose convertible hand tool. 2,873,460, 2-17-59, Cl. 7-14.55.
- Del Pozo Villalba, Pedro. Lock mechanism. 2,874,560, 2-24-59, Cl. 70-134.
- Del Raso, Americo. Self-heating can. 2,914,061, 11-24-59, Cl. 126-262.
- Del Raso, Americo. Self-heating can of the type provided with impact-responsive heating means. 2,914,062, 11-24-59, Cl. 126-263.
- Delrieu, Pierre, to Societe Anonyme Pour les Applications de l'Electricite et des Gases Rares-Etablissements Claude-Paz & Silva. Activated electrode for electric discharge lamp. 2,879,427, 3-24-59, Cl. 313-185.
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- Del Vecchio, Deno. Apparatus for controlling backwater in sewage lines. 2,868,380, 1-13-59, Cl. 210-111.
- Del Vecchio, Louis A. Anti-skid attachment for motor vehicle wheels. 2,882,949, 4-21-59, Cl. 152-181.
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- Demarest, Daniel D. Brick packages. 2,896,781, 7-28-59, Cl. 206-65.
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- Demarest, William C., and E. Malmstrom; said Malmstrom assor. to said Demarest. Portable traction device. 2,871,853, 2-3-59, Cl. 128-84.
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- De Maria, John, to Chemical Products Corp. Relief printing plates and method for fabricating the same. 2,875,051, 2-24-59, Cl. 96-67.
- De Mario, Joseph. Tea bag tags. 2,879,613, 3-31-59, Cl. 40-2.
- Demarkis, Peter J. Gun checkering tool. 2,898,957, 8-11-59, Cl. 144-136.
- De Mars, Paul A.: See—
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- Demay, Peter P., to Minneapolis-Honeywell Regulator Co. Valve apparatus. 2,879,971, 3-31-59, Cl. 251-61.
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- Demeny, Adam, to Dr. Ing. F. L. Fenyves. Massage apparatus. 2,893,382, 7-7-59, Cl. 128-38.
- Demer, Frederick M., and B. Marks, to International Business Machines Corp. Electrical assembly housing. 2,881,364, 4-7-59, Cl. 317-100.
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- Demi, Roy C., to Robertshaw-Fulton Controls Co. Time and timed delay control. 2,897,890, 8-4-59, Cl. 161—1.
- De Millar, Floyd O., to The Radian Corp. Motor starting apparatus. 2,869,682, 1-20-59, Cl. 185—41.
- De Milleville, Maurice M. J. Device for injecting a fluid under pressure. 2,908,259, 10-13-59, Cl. 123—32.
- Deming, Mark A., and R. H. Bolster, to Clark Equipment Co. Transmission control valve. 2,906,135, 9-29-59, Cl. 74—364.
- De Miranda, Helme A. R., and T. J. Tulp, to North American Phillips Co., Inc. Circuit arrangement for converting impedances. 2,904,758, 9-15-59, Cl. 333—80.
- Demler, Henry W., to AMP Inc. Crimping tool. 2,892,368, 6-30-59, Cl. 81—15.
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- De Navarre, Maison G., to Beauty Counselors, Inc. Sun screening compositions. 2,880,140, 3-31-59, Cl. 167—90.
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- Denby, James F.: See—  
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- Denby, James F., to Automatic Telephone & Electric Co. Ltd. Circuit arrangements for counting impulses. 2,898,584, 8-4-59, Cl. 340—347.
- Dence, Donald S., to Clark Equipment Co. Vehicle drive means. 2,871,724, 2-3-59, Cl. 74—665.
- Dence, Richard B., and W. A. Schalch, to Owens-Illinois Glass Co. Ball-type applicator assembly. 2,904,810, 9-22-59, Cl. 15—132.7.
- Dench, Edward C., to Raytheon Mfg. Co. Travelling wave tubes. 2,888,610, 5-26-59, Cl. 315—39.3.
- Dench, Edward C., to Raytheon Mfg. Co. Travelling wave amplifiers. 2,890,372, 6-9-59, Cl. 315—3.5.
- Dench, Edward C., to Raytheon Mfg. Co. Travelling wave electronic devices. 2,890,384, 6-9-59, Cl. 315—39.3.
- Dench, Edward C. Travelling wave oscillator. 2,892,963, 6-30-59, Cl. 315—39.3.
- Dench, Edward C., to Raytheon Co. Travelling wave oscillator. 2,907,913, 10-6-59, Cl. 315—3.5.
- Dench, Edward C., and A. D. La Rue, to Raytheon Mfg. Co. Travelling wave tube system. 2,888,649, 5-26-59, Cl. 332—17.
- Dendrol, Inc.: See—  
Snyder, Francis H. 2,875,180.
- De Neergaard, Lelf E., deceased, Northern Trust Co., executor; F. W. Olmstead, H. W. Trechsel, D. A. Gerard, J. J. Kojls, N. S. Parker, M. S. Bradway, and said L. E. de Neergaard, as trustees. Recording system and method for displaced traces. 2,885,256, 5-5-59, Cl. 346—74.
- De Neergaard, Lelf E., deceased; The Northern Trust Co., executor, to F. W. Olmstead, H. W. Trechsel, D. A. Gerard, J. J. Kojls, N. S. Parker, M. S. Bradway, and said de Neergaard, trustees. Machine tool control system. 2,882,475, 4-14-59, Cl. 318—162.
- De Neergaard, Lelf E., deceased; The Northern Trust Co., executor, to F. W. Olmstead, H. W. Trechsel, D. A. Gerard, J. J. Kojls, N. S. Parker, M. S. Bradway, and said de Neergaard, trustees. Record sensing system. 2,882,516, 4-14-59, Cl. 340—174.
- De Neergaard, Lelf E., to F. W. Olmstead, H. W. Trechsel, D. A. Gerard, J. J. Kojls, N. S. Parker, M. S. Bradway, and said de Neergaard as trustees, The Northern Trust Co., executor of said de Neergaard, deceased. Method of recording displacements. 2,916,342, 12-8-59, Cl. 346—8.
- Denelsbeck, David: See—  
Russell, Robert G., and Denelsbeck. 2,910,806.
- Denend, Lowell E., and K. C. Schroeder, to T. E. Parr. Rope fenders for boats. 2,905,129, 9-22-59, Cl. 114—219.
- Dengler, Rudolf. Disposable head tooth brush. 2,893,031, 7-7-59, Cl. 15—123.
- Den Haan, Jose J. W.: See—  
Köhler, Jacob W. L., and Den Haan. 2,898,166.
- Den Haan, Jose J. W., and F. L. Van Weenen, to North American Phillips Co., Inc. Braking device associated with a centrifugal clutch. 2,916,119, 12-8-59, Cl. 192—15.
- Denham, Frederick R.: See—  
Kitchen, John A., and Denham. 2,898,978.
- Denham, William L., to General Electric Co. Mounting structure for stationary inductive device. 2,897,463, 7-28-59, Cl. 336—65.
- Den Herder, Marvin J.: See—  
Brooks, John A., and Den Herder. 2,895,898.  
Goretta, Louis A., and Den Herder. 2,911,352.  
Guthrie, Louis C., and Den Herder. 2,871,185.
- Den Herder, Marvin J., to Standard Oil Co. Increasing platinum catalyst activity for hydroforming hydrocarbon naphtha. 2,899,378, 8-11-59, Cl. 208—65.
- Den Herder, Marvin, and R. V. Malo, to Standard Oil Co. Fluid platinum catalyst hydroforming system. 2,870,086, 1-20-59, Cl. 208—140.
- Den Hertog, Martinus, to International Standard Electric Corp. Electrical identification or selection equipment. 2,884,489, 4-28-59, Cl. 179—18.
- Den Hertog, Martinus, to International Standard Electric Corp. Relay recorder. 2,887,624, 5-19-59, Cl. 317—137.
- Den Hertog, Martinus, and C. De Zeeuw, to International Standard Electric Corp. Telecommunication exchange systems. 2,912,510, 11-10-59, Cl. 179—18.
- Den Hertog, Martinus, and C. De Zeeuw, to International Standard Electric Corp. Scanning circuit. 2,913,528, 11-17-59, Cl. 179—15.
- Denholm, John. Suitcase having retractable, removable wheels. 2,917,317, 12-15-59, Cl. 280—43.24.
- Deniau, Andre J. A., to Societe Generale de Construction Electriques et Mecaniques. Means for protecting transition impedances. 2,875,399, 2-24-59, Cl. 323—43.5.
- De Niet, Edmond, and D. Kleis, to North American Phillips Co., Inc. Magnetic recording apparatus. 2,912,521, 11-10-59, Cl. 179—100.2.
- Denim Maid Mfg. Co., Inc.: See—  
Weaver, John H., and Houdeshell. 2,893,035.
- Dening, Donald G.: See—  
Krautwurst, Homer V., and Dening. 2,883,510.
- Dening, Robert D., to Garlinghouse Brothers. Device for kneading and surfacing plastic material. 2,900,883, 8-25-59, Cl. 94—45.
- Dening, Robert D., and L. H. Garlinghouse, to Garlinghouse Brothers. Compactor. 2,917,979, 12-22-59, Cl. 94—45.
- Denis, Walter. Lady's handbag. 2,916,841, 12-15-59, Cl. 40—152.2.
- Denison, Jack T., M. W. Farlow, E. L. Muetterties, and G. H. Whipple, to E. I. du Pont de Nemours, and Co. Preparation of fluorocarbon compounds from phosphorous V fluoride and carbon. 2,884,467, 4-28-59, Cl. 260—653.3.
- Denker, Charles T. Washing machines. 2,885,877, 5-12-59, Cl. 68—156.
- Denker, Charles T. Suction cleaners. 2,886,125, 5-12-59, Cl. 183—22.

- Denkert, Henry, to M. Denkert & Co. Baseball glove with pre-formed pocket. Re. 24,610, 2-24-59, Cl. 2—19.
- Denkert, M., & Co.: See—  
Denkert, Henry. Re. 24,610.
- Denkowski, George S., to Monsanto Chemical Co. Polymerization process. 2,915,514, 12-1-59, Cl. 260—94.9.
- Denkowski, Walter J.: See—  
Kron, Harold O., and Denkowski. 2,878,687.  
Kron, Harold O., and Denkowski. 2,912,087.
- Denlinger, Carl E., to Buckeye Iron & Brass Works. Method and apparatus for dispensing liquids. 2,867,249, 1-6-59, Cl. 141—208.
- Denman, Robert R., and U. P. Trudeau, to Owens-Illinois Glass Co. Machines for press molding hollow glassware. 2,903,824, 9-15-59, Cl. 49—38.
- Denman, Wayne L., to Dearborn Chemical Co. Corrosion inhibiting composition and method. 2,882,171, 4-14-59, Cl. 106—14.
- Denman, Wayne L., and C. M. Hwa, to Dearborn Chemical Co. Filling type corrosion inhibitor for steam and condensate lines. 2,889,193, 6-2-59, Cl. 21—2.7.
- Denmark, Herbert H.: See—  
Simpson, Arthur A., and Denmark. 2,872,790.
- Denn, John H. Tire rim removal tool. 2,898,977, 8-11-59, Cl. 157—133.
- Dennard, James J.: See—  
Dupres, Marion R. 2,896,389.
- Dennard, Margaret D.: See—  
Dupres, Marion R. 2,896,389.
- Dennerlein, William H.: See—  
Schladermundt, Peter, Dennerlein, and Simons. 2,889,039.
- Denney, Ralph E., to P. Ganson. Power lawn mower. 2,888,796, 6-2-59, Cl. 56—25.4.
- Denning Co., Inc.: See—  
Denning, Wade F. 2,879,536.
- Denning, Wade F., to The Denning Co., Inc. Means for cleaning floors in textile mills. 2,879,536, 3-31-59, Cl. 15—312.
- Dennis, George P., to Lockers (Engineers) Ltd. Means for generating pulsating direct currents. 2,873,383, 2-10-59, Cl. 307—1.
- Dennis, Jack. Composite link structures for collapsible ladders, conveyors, or the like. 2,905,264, 9-22-59, Cl. 182—163.
- Dennis, James II.: See—  
Hicks, Robert W., and Dennis. 2,881,759.
- Dennis, William H., Jr., to Phillips Petroleum Co. Reforming process. 2,917,454, 12-15-59, Cl. 208—134.
- Dennis, William P., to E. I. du Pont de Nemours and Co. Process for forming composite cellular structures. 2,906,642, 9-29-59, Cl. 117—56.
- Dennis, Wolcott, to E. I. du Pont de Nemours and Co. Process for forming composite cellular structures. 2,906,643, 9-29-59, Cl. 117—56.
- Dennis, Wolcott, to Air Reduction Co., Inc. Argon purification. 2,874,030, 2-17-59, Cl. 23—209.
- Dennis, Wolcott, and J. J. Rendos, to Air Reduction Co., Inc. Degassing process. 2,911,331, 11-3-59, Cl. 134—22.
- Dennison Mfg. Co.: See—  
Aguinick, Arnold. 2,917,396.  
Bone, Arnold R., and Sloan. 2,890,650.  
Dumont, Donald C. 2,872,030.  
Flood, Carl A. 2,914,768.  
Flood, Carl A. 2,915,177.  
Gottsch, Ira S., and Hirschey. 2,874,499.
- Dennison, Robert C., and A. C. Luther, Jr., to Radio Corp. of America. Composite color signal transmission systems. 2,877,296, 3-10-59, Cl. 178—5.4.
- De Nobel, Dirk: See—  
Kröger, Ferdinand A., and de Nobel. 2,890,142.
- Denovan, Alexander E. C., D. J. Hodgson, and H. Kremer. Electrically heated jet propulsion unit. 2,918,004, 12-22-59, Cl. 102—49.
- Denoyer-Geppert Co.: See—  
Miller, William S. 2,867,918.
- Densham, Costin L.: See—  
Tunncliffe, Edward A. J., and Densham. 2,875,946.
- Densham, Costin L., to Wade Engineering Ltd. Engine with exhaust gas extractor. 2,888,800, 6-2-59, Cl. 60—32.
- Denslow, Keith R.: See—  
McMillan, William J., and Denslow. 2,884,386.
- Densmore, Richard M. Hydraulic cylinder rod seal mechanism. 2,874,953, 2-24-59, Cl. 286—12.
- Denson, Joseph F. Gun dispenser. 2,908,425, 10-13-59, Cl. 222—262.
- Densow, Max, 1/4 to S. Meerkreets. Closure assembly for containers. 2,877,920, 3-17-59, Cl. 220—30.5.
- Denss, Rolf: See—  
Eugster, Conrad H., Denss, Hadiger, Hofer, Pfister, and Zimmermann. 2,895,965.
- Denss, Rolf, and F. Hadiger, to Gelky Chemical Corp. N-acylated hydroxybenzylamino phenols. 2,906,777, 9-29-59, Cl. 260—558.
- Denss, Rolf, R. Pfister, and F. Hadiger, to Gelky Chemical Corp. 4-substituted 1,2-diaryl-3,5-dioxo-pyrazolidines. 2,910,481, 10-27-59, Cl. 260—310.
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Lee, Pyungtoo W. 2,897,595.  
Lee, Pyungtoo W., and Müller. 2,895,050.  
Saffir, Jacob A. 2,888,747.  
Saffir, Jacob A. 2,889,625.
- Dentier, Arnold E., to W. H. Miner, Inc. Draft gear for railway draft rigging. 2,880,884, 4-7-59, Cl. 213—40.
- Dentier, Arnold E., to W. H. Miner, Inc. Draft gear for railway draft rigging. 2,892,551, 6-30-59, Cl. 213—40.
- Denton, Bryce A.: See—  
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- Denton, Bryce A., to General Electric Co. Electrically heated device. 2,914,646, 11-24-59, Cl. 219—25.
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- Denton, Harvey R. Bag and header therefor including bag supporting means. 2,873,905, 2-17-59, Cl. 229—55.
- Denton, Harvey R. Device for use in packaging; package, and method. 2,882,660, 4-21-59, Cl. 53—135.
- Denton, Harvey R., to Diamond Gardner Corp. Packaging apparatus and method. 2,902,907, 9-8-59, Cl. 93—54.
- Denton, Richard A., to The New York Air Brake Co. Vacuum diffusion pump. 2,886,235, 5-12-59, Cl. 230—101.
- Denton, Richard A., to The New York Air Brake Co. Vapor jet pump. 2,888,190, 5-26-59, Cl. 230—101.
- Denton, Robert L. Transistorized frequency standard. 2,882,404, 4-14-59, Cl. 250—36.
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Hannon, Gilbert H., and De Nucci. 2,903,793.
- Denver Brick and Pipe Co.: See—  
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- Denver Chemical Mfg. Co., The: See—  
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- Denz, Arthur R.: See—  
Radcliffe, Arthur J., Jr., and Denz. 2,874,312.
- Denz, Arthur R., to International Telephone and Telegraph Corp. Temperature-compensated direct-current amplifier. 2,918,627, 12-22-59, Cl. 330—13.
- Denzler, Richard E.: See—  
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- Brundson, William E., Denzer, Olley, and Schilling. 2,908,508.
- Denzler, Emil: See—  
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- De Oliveira, Agenor R. Electric current distributor. 2,902,552, 9-1-59, Cl. 200—28.
- De Palma, Ambrogio, and B. Viscardi. Joint for uniting three structure members in shelving and scaffolding. 2,917,332, 12-15-59, Cl. 287—54.
- De Palma, James A. Highway signalling system. 2,874,367, 2-17-59, Cl. 340—31.
- De Paolo-Fletcher, Inc.: See—  
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- De Paolo, Joseph J., to De Paolo-Fletcher, Inc. Power operated securing device. 2,910,700, 11-3-59, Cl. 1—101.
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- De Pataky, Veronica. Stenciling apparatus. 2,899,928, 8-18-59, Cl. 118—301.
- De Peu, Evans A. Pipe cutting indicator. 2,893,131, 7-7-59, Cl. 33—174.
- De Pew, Chester C.: See—  
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- Gaines, John R., and C. F., and De Pew. 2,892,514.
- Depew, Harlan A., to American Zinc, Lead & Smelting Co. Method of impregnating wood with a chromated zinc sulfate composition and product therewith. 2,886,486, 5-12-59, Cl. 167—38.5.
- Depew, Harlan A., P. D. Quinn, and G. R. Watkins, to American Zinc, Lead & Smelting Co. Treatment of materials. 2,868,673, 1-13-59, Cl. 117—137.
- De Pew, Thomas N., to Arrowhead Products, Inc. Pallet construction. 2,919,090, 12-29-59, Cl. 248—120.
- De Pew, Thomas N., W. H. Sardo, Jr., and P. H. Koenig, to National Wooden Pallet Manufacturers' Association. Pallet with draft-barrier. 2,873,935, 2-17-59, Cl. 248—120.
- De Philippo, William J., and K. L. Chien, to Radio Corp. of America. Information translating system. 2,902,679, 9-1-59, Cl. 340—174.
- De Phillips, Gerard: See—  
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- De Phillips, Paul, also known as P. De Phillips, deceased, by G. De Phillips, executor, to R. H. Jenkins. Unpacked ball and socket with spring-biased ball. 2,907,593, 10-6-59, Cl. 285—269.
- Depken, Andrew F., to McGraw-Edison Co. Shear machine with electromagnetically operated control responsive to metallic strip being fed to shear. 2,890,750, 6-16-59, Cl. 164—49.
- Depp, Marlin C.: See—  
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Halpern, William, Depp, and Trenchard. 2,887,872.
- Deppe, Arnold. Article holders. 2,911,173, 11-3-59, Cl. 248—113.
- De Pree, David O.: See—  
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- De Pree, David O., to Ethyl Corp. Aminolead compound and herbicidal composition containing same. 2,893,857, 7-7-59, Cl. 71—2.7.
- De Pree, David O., to Ethyl Corp. Production of organo-metallic compounds. 2,909,565, 10-20-59, Cl. 260—541.



- Deprez, Charles, to Solvay & Cie. Composite anode assembly for use in electrolytic cells. 2,868,712, 1-13-59, Cl. 204-258.
- De Priester, Coral L., to California Research Corp. Gas-air burner with check valve. 2,895,555, 7-21-59, Cl. 166-59.
- De Priester, Coral L., to California Research Corp. Liner packing method. 2,905,245, 9-22-59, Cl. 166-15.
- De Priester, Coral L., and C. N. Simm, to California Research Corp. Apparatus for well stimulation by gas-air burners. 2,887,160, 5-19-59, Cl. 166-59.
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- Depuy, Robert P., to General Electric Co. Power resistor assembly. 2,902,664, 9-1-59, Cl. 338-176.
- Deranian, Minas, and B. V. Vonderschmitt, to Radio Corp. of America. Deflection circuits. 2,869,030, 1-13-59, Cl. 315-27.
- Deranja, John E., and M. Jang. Skirt form hanger. 2,908,430, 10-13-59, Cl. 223-95.
- Derby, Richard F., and A. Biery. Leg length adjusting apparatus. 2,890,824, 6-16-59, Cl. 228-63.
- Derby, Richard F., and A. Biery. Leg length adjusting apparatus. 2,911,134, 11-3-59, Cl. 182-201.
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- Krueger, Alfred P. 2,899,198.
- Derby, William F. Tool for removal of valve lifters. 2,883,740, 4-28-59, Cl. 29-213.
- Deren, Pincus, to Pabst Brewing Co. Apparatus and method for extracting air from beverages. 2,906,624, 9-29-59, Cl. 99-79.
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- Farmer, Stanley E., and Derhalli. 2,914,368.
- Derham, Leslie J.: See—
- Woods, Stephen E., and Derham. 2,912,322.
- Derham, Leslie J., to Metallurgical Processes Ltd. and The National Smelting Co. Ltd., carrying on business together under the name and style of Metallurgical Development Co. Condensing of zinc in liquid form from zinc vapour. 2,886,309, 5-12-59, Cl. 266-37.
- Derham, Leslie J., and J. W. Haywood, to The Metallurgical Processes Ltd. and National Smelting Co. Ltd., doing business as Metallurgical Development Co. Condenser for condensing metal vapours. 2,871,007, 1-27-59, Cl. 266-15.
- Derick, Lincoln, and C. J. Frosch, to Bell Telephone Laboratories, Inc. Vapor-solid diffusion of semiconductor material. 2,873,222, 2-10-59, Cl. 148-15.
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- De Ridder, Gysbert F., and W. P. Bryan, to Shell Development Co. Production of carbon black oil. 2,895,895, 7-21-59, Cl. 208-40.
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- Doorn, Johannes, Mondria, de Rijk, and Hendal. 2,915,449.
- Dering, Roger. Metallurgical processing of uranium ores. 2,890,795, 6-16-59, Cl. 209-12.
- Derkson, Jan W.: See—
- Kips, Edmund J. E., and Derksen. 2,878,423.
- Derman, Sam. Double closure knockdown wardrobes. 2,902,056, 9-8-59, Cl. 160-90.
- Dermer, Otis C., and F. B. Slezak, to Cities Service Research and Development Co. Olefin oxide ortho ester condensation products. 2,867,667, 1-6-59, Cl. 260-615.
- Dermond, Franklin, and C. A. Nickerson, to Bell Telephone Laboratories, Inc. Indexing means for drum-feed screw type translating device. 2,883,476, 4-21-59, Cl. 179-100.2.
- Dermond, Lawrence C.: See—
- Olson, Elmer, Kehoe, and Dermond. 2,899,951.
- Dermond, Lawrence C., to General Motors Corp. Windshield cleaning apparatus. 2,869,165, 1-20-59, Cl. 15-250.4.
- Dermond, Lawrence C., to General Motors Corp. Thermodynamically controlled air bleed. 2,873,958, 2-17-59, Cl. 261-39.
- Dermond, Lawrence C., to General Motors Corp. Windshield wiper actuating mechanism. 2,876,747, 3-10-59, Cl. 121-123.
- Dermond, Lawrence C., to General Motors Corp. Fuel control system. 2,894,499, 7-14-59, Cl. 123-119.
- Dermond, Lawrence C., to General Motors Corp. Fuel injection acceleration enrichment device. 2,899,950, 8-18-59, Cl. 123-119.
- Dermond, Lawrence C., to General Motors Corp. Fuel injection metering valve. 2,900,167, 8-18-59, Cl. 251-321.
- Dermond, Lawrence C., to General Motors Corp. Idle fuel control. 2,916,270, 12-8-59, Cl. 261-37.
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- Kurz, Karl D., and Derndinger. 2,904,024.
- De Rooy, Antonius J.: See—
- Bruining, Hajo, Haans, Schampers, and de Rooy. 2,882,117.
- De Rooy, Antonius J., and J. J. A. Jonkers, to North American Philips Co., Inc. Method of providing an electrically conductive network on a support of insulating material. 2,874,449, 2-24-59, Cl. 29-25.14.
- De Rosa, Louia A., M. Masonson, and F. J. Lundburg, to International Telephone and Telegraph Corp. Radio navigation beacon. 2,915,750, 12-1-59, Cl. 343-106.
- De Rose, John P. Adjustable seat mount. 2,892,483, 6-30-59, Cl. 155-14.
- De Rose, Paradise. Combined movie camera, viewer and projector. 2,883,904, 4-28-59, Cl. 88-17.
- De Rosset, Armand J.: See—
- De Watkins, Charles H., and de Rosset. 2,905,636.
- De Rosset, Armand J., and V. Haensel, to Universal Oil Products Co. Reforming catalyst. 2,878,192, 3-17-59, Cl. 252-442.
- Derossi, Agostino D. Caging device for gyrocompasses having a floating sensitive element. 2,872,821, 2-10-59, Cl. 74-5.1.
- De Rouen, Rudolph R. Linesman's marker pole. 2,881,543, 4-14-59, Cl. 40-125.
- Derouet, Brice, to Compagnie Generale de Telegraphie Sans Fil. Device for improving the reception of pulse type radio signals in the presence of noise. 2,914,666, 11-24-59, Cl. 250-20.
- Derr, Edgar M.: See—
- Johnston, Donald L., Derr, and Wooldridge. 2,912,480.
- Derr, Willard A.: See—
- Metz, Weldon L., and Derr. 2,909,709.
- Derr, Willard A., and E. J. Cham, to Westinghouse Electric Corp. Circuit breaker control systems using logic decision elements. 2,909,707, 10-20-59, Cl. 317-22.
- Derrah, Helen J.: See—
- Derrah, Norman S., and H. J. 2,892,297.
- Derrah, Norman S., and H. J. Bags and bag handling machines. 2,892,297, 6-30-59, Cl. 53-186.
- Derrick, Daniel M. Drum clamp. 2,874,432, 2-24-59, Cl. 24-81.
- Derringe, Bloddie L.: See—
- Jamison, Will B., and Derringe. 2,868,526.
- Peterson, C. Lynn, and Derringe. 2,885,083.
- Derringer, Paul. Animated display unit. 2,904,913, 9-22-59, Cl. 40-33.
- Derringer, Ray, to International Oil Burner Co. Air duct register. 2,901,962, 9-1-59, Cl. 98-106.
- Dersch, Fritz, and M. R. De Angelus, to General Aniline & Film Corp. Antifogging agent and bactericide for photographic emulsions. 2,897,081, 7-28-59, Cl. 96-66.
- Dersch, John A.: See—
- Engels, Eugene O., and Dersch. 2,900,927.
- Dersch, John A., and H. G. Burman, to Baker Perkins Inc. Synchronizing means for oven conveyors and associated handling mechanism. 2,885,973, 5-12-59, Cl. 107-57.
- Dersch, William C., Jr.: See—
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- Dersch, William C., Jr., to International Business Machines Corp. Gas tube pulse generator. 2,915,677, 12-1-59, Cl. 315-273.
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- Dery, Aldego L. Loading magazine for a work holding fixture. 2,869,433, 1-20-59, Cl. 90-59.
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- De Saint Chamant, Henri: See—
- Bursaux, Jacques, Ancelle, and de Saint Chamant. 2,875,032.
- De Santis, Sabatino, to The Eyelet Specialty Co. Cosmetic container. 2,901,101, 8-25-59, Cl. 206-56.
- De Santis, Vincent J., and M. J. Silcka, to General Electric Co. High power electron tube. 2,879,429, 3-24-59, Cl. 313-293.
- Desbols, Theodore J. Pallet. 2,913,205, 11-17-59, Cl. 248-120.
- Desbrandes, Robert, to Schlumberger Well Surveying Corp. Borehole apparatus. 2,872,230, 2-3-59, Cl. 288-6.
- Descarries, Raymond, to Aktiebolaget Electrolux. Combined handle and switch control. 2,919,332, 12-29-59, Cl. 200-157.
- Desch, Joseph R., to The National Cash Register Co. Electronic counter. 2,871,408, 1-27-59, Cl. 315-84.5.
- Deschamps, Desire J., to Hydroaire, Inc. High pressure variable delivery rotary vane pump. 2,885,960, 5-12-59, Cl. 103-4.
- Deschenes, Emile A.: See—
- Knott, Clyde L., and Deschenes. 2,891,266.
- Deschmann, Heinrich: See—
- Rosenberg, Heinz, and Deschmann. 2,870,349.
- Descouvemont, Pierre A., to Compagnie des Machines Bull (Societe Anonyme). Tabulator commutators for recording and the like machines. 2,892,048, 6-23-59, Cl. 200-46.
- De See, Peter G., to Halkey-Roberts Corp. Valve. 2,887,120, 5-19-59, Cl. 137-223.
- De Selms, Jesse E., deceased, by E. D. Brandon, sole heir. Hydraulic torque tool. 2,900,811, 8-25-59, Cl. 64-28.
- De Selms, Paul R.: See—
- Brosene, William G., Jr., and De Selms. 2,874,768.
- De Seversky, Alexander P. Food seasoning injection device. 2,887,035, 5-19-59, Cl. 99-234.
- De Shano, Alphonse D., to Emmett Conrad. Hoisting crane. 2,867,333, 1-6-59, Cl. 212-144.
- Deshaw, Heinz: See—
- Deshaw, Zoltan and H. 2,867,313.

- Deshaw, Zoltan and H., to Ismay Lamps Ltd. Method and apparatus for arranging and feeding wire filaments. 2,867,313, 1-6-59, Cl. 198-33.
- De Shazor, James C., Jr., to Columbia Basin Plastics Co. Shake and pour device. 2,889,090, 6-2-59, Cl. 222-555.
- Desiato, Gene G. Lens surfacing machine. 2,871,626, 2-3-59, Cl. 51-124.
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- Kaiser, Herman D., Jr. 2,879,678.
- Designed Products Ltd.: See—
- Gregory, Joseph M., and Smith. 2,917,167.
- Designware Industries, Inc.: See—
- Brink, Raymond J., and Buelow. 2,867,859.
- Buelow, John A. 2,900,750.
- De Simone, Benjamin J., and D. F. Crozat, to Precision Development Co., Inc. Spray unit assembly. 2,876,040, 3-3-59, Cl. 299-84.
- Desjarlais, Arthur and F. E. Life preserver. 2,895,147, 7-21-59, Cl. 9-19.
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- De Smidt, Woodrow A., F. F. Lock, and C. E. Zarwell, to Allen-Bradley Co. Control station. 2,897,327, 7-28-59, Cl. 200-168.
- Desnoyers, Doris: See—
- Desnoyers, Joseph R. 2,885,094.
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- Siggelin, Gert K. A. 2,884,764.
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- De Spa & Fils, Societe en Commandite par Actions: See—
- Freitag, Auguste M. A. 2,885,837.
- De Spain, Thomas H., to Southern Textile Machinery Co., Inc. Hosiery inspection apparatus and method. 2,902,193, 9-1-59, Cl. 223-75.
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- Hudgens, Bernard C. 2,876,782.
- Despard, Victor R., to Pass & Seymour, Inc. Convenience outlet with improved wire and plug blade gripping means. 2,873,433, 2-10-59, Cl. 339-95.
- Despard, Victor R., to Pass & Seymour, Inc. Automatic wire gripping terminal. 2,883,641, 4-21-59, Cl. 339-216.
- Despres, Urban H., to Keyes Fibre Co. Individual serving pack. 2,917,216, 12-15-59, Cl. 229-25.
- Dessane, Despres. Toothbrush and tooth powder kit-tooth brush powder fountain. 2,880,738, 4-7-59, Cl. 132-84.
- Dessauer, John H., R. W. Gundlach, and G. R. Mott, to Haloid Xerox Inc. Method for fixing xerographic images. 2,894,840, 7-14-59, Cl. 96-1.
- Dessauer, John H., and H. E. Clark, to Haloid Xerox Inc. Radiation sensitive photoconductive member. 2,901,348, 8-25-59, Cl. 96-1.
- Dessureau, John B.: See—
- Dessureau, Joseph T. and J. B. Re. 24,660.
- Dessureau, Joseph T. and J. B. Stone sawing wire. Re. 24,660, 6-16-59, Cl. 125-21.
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- De Stevens, George, to Sperry Rand Corp. Sensitizing dyes from 2-methyl-5,6-dihydro-4-cyclopentathiazoles. 2,882,160, 4-14-59, Cl. 96-105.
- De Stevens, George, to Ciba Pharmaceutical Products, Inc. 2,3-dihydro-1,4-thiazene-3-ones. 2,887,483, 5-19-59, Cl. 260-243.
- De Stevens, George, to Sperry Rand Corp. Cyanine dyes containing a saturated heterocyclic nucleus. 2,892,835, 6-30-59, Cl. 260-240.4.
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- De Stevens, George, to Ciba Pharmaceutical Products, Inc. Certain 4-pyridyl thiazoline-2-ones and process. 2,910,479, 10-27-59, Cl. 260-294.8.
- De Stevens, George, to Sperry Rand Corp. New thiazole base and cyanine dyes prepared therefrom. 2,916,487, 12-8-59, Cl. 260-240.4.
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- De Stevens, George, and R. H. Sprague, to Sperry Rand Corp. Cyanine dyes. 2,892,834, 6-30-59, Cl. 260-240.4.
- De Stevens, George, and R. H. Sprague, to Sperry Rand Corp. Preparation of 2-methyl-4,5,6,7-tetrahydro benzoxazole and cyanine dyes therefrom. 2,892,837, 6-30-59, Cl. 260-240.4.
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- Destoumieux, Paul: See—
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- Destriau, Georges, to Westinghouse Electric Corp. Method of operating X-ray device. 2,885,559, 5-5-59, Cl. 250-71.
- Destriau, Georges, to Westinghouse Electric Corp. X-ray method. 2,885,560, 5-5-59, Cl. 250-71.
- Destriau, Georges, to Westinghouse Electric Corp. Electroluminescent cell. 2,901,651, 8-25-59, Cl. 313-108.
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- Detrie, Arthur J., D. J. Lingenfelter, E. J. O'Neil, P. J. Stayboldt, and E. P. Troeger, to Douglas Aircraft Co., Inc. Compartmented container. 2,916,197, 12-8-59, Cl. 229-50.
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- Mantzel, Albrecht-Wolf, and Deuring. 2,915,100.
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- De Vito, Angelo R., to L. W. Menzimer, as trustee. Door holding device. 2,915,778, 12-8-59, Cl. 16-82.
- De Vito, Felix. Machine for blocking or shaping shoes. 2,883,686, 4-28-59, Cl. 12-53.5.
- De Vito, Robert. Safety device for refrigerators. 2,917,010, 12-15-59, Cl. 109-63.5.
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- De Vore, Guy C., to Pittsburgh Plate Glass Co. Method for removing surface blemishes. 2,910,813, 11-3-59, Cl. 51-283.
- De Vore, Solomon L. Portable ink fountain. 2,893,317, 7-7-59, Cl. 101-365.
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- Deweese, Alexander H. Safety device for automotive vehicles. 2,879,078, 3-24-59, Cl. 280-150.
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 Diebold, Edward J., to United States of America, Army. High-speed electromagnetic switch. 2,872,547, 2-3-59, Cl. 200-93.  
 Diebold, Edward J., to I-T-E Circuit Breaker Co. Cooling system for mechanical rectifiers. 2,882,479, 4-14-59, Cl. 321-48.  
 Diebold, Edward J., to I-T-E Circuit Breaker Co. Power supply circuit for electromagnetic clutches. 2,883,873, 4-28-59, Cl. 74-365.  
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 Deaton, Charles U., and Graber. 2,869,485.  
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 Diederich, Norman F., to The Electric Products Co. Protective circuit for synchronous motors. 2,876,405, 3-3-59, Cl. 318-170.  
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 Bayley, Emery P., Davis, Diederichs, Vaupell, and Perrow. 2,886,918.  
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 Diedring, John H., to General Motors Corp. Snap-in lens. 2,918,570, 12-22-59, Cl. 240-151.  
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 Diefenderfer, William E., to United Aircraft Corp. Fluid directing means for relief valve. 2,915,277, 12-1-59, Cl. 251-118.  
 Diefenbacher, George W., and O. A. Meykar, to General Electric Co. Fluid distribution system. 2,885,999, 5-12-59, Cl. 118-602.  
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 Diehl, Charles, to The M. W. Kellogg Co. Apparatus for welding a joint. 2,910,572, 10-27-59, Cl. 219-60.  
 Diehl, Glenn A., to Rota Parking, Inc. Shuttle-lift device for use in parking automobiles. 2,904,200, 9-15-59, Cl. 214-392.  
 Diehl, Gordon H., to General Motors Corp. Counter-flow warm air furnace. 2,871,847, 3-2-59, Cl. 126-110.  
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 Diehl, Max H., to General Electric Co. Pulse detection method and apparatus. 2,874,217, 2-17-59, Cl. 178-69.5.  
 Diehl, William L. Backing support for wall veneer. 2,882,713, 4-21-59, Cl. 72-19.  
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 Diem, Hugh E., and H. Tucker, to The B. F. Goodrich Co. Process for polymerizing conjugated diolefins using a mixture of metallic lithium and alkyl lithium as the catalyst. 2,913,444, 11-17-59, Cl. 260-94.2.  
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- Diemer, Fritz, to EMA A.-G. Electric measuring instrument. 2,870,410, 1-20-59, Cl. 324-141.
- Diemer, Gerhard H.: See—  
Julian, Percy L., Cole, and Diemer. 2,876,237.
- Diemer, Gesinus, and J. G. van Santen, to North American Philips Co., Inc. Image reproducing device. 2,882,419, 4-14-59, Cl. 250-213.
- Diemer, Gesinus, and H. J. Lemmens, to North American Philips Co., Inc. Electron tube for decimetre- and centimetre-waves. 2,887,606, 5-19-59, Cl. 313-256.
- Diener, Henry C., Jr., to Westinghouse Electric Corp. Electrical circuitry using static electromagnetic devices. 2,909,269, 10-20-59, Cl. 192-144.
- Diener, Richard. Chucking device for machine tools. 2,883,889, 4-28-59, Cl. 77-5.
- Diener, Richard, to Berliner Maschinenbau-Aktien-Gesellschaft vormals L. Schwartzkopf. Apparatus for positioning a stop or other part of a machine, more particularly a machine tool. 2,901,917, 9-1-59, Cl. 74-472.
- Diener, John A. Self-opening package. 2,911,129, 11-3-59, Cl. 222-83.
- Diepenhorst, Gerald, and M. S. Duenfeld, to Ford Motor Co. Voltage regulator. 2,896,046, 7-21-59, Cl. 200-102.
- Dier, Stephen A., to Thompson Products, Inc. Stamped socket assembly. 2,910,316, 10-27-59, Cl. 287-90.
- Dierdorf, Paul H., to Union Carbide Corp. Acetylene relief valve. 2,884,004, 4-28-59, Cl. 137-522.
- Dierichs, Wolfgang: See—  
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- Köhler, Rudolf, and Dierichs. 2,919,198.
- Dierker, Hugh R. Driving tool and holder attachment. 2,884,971, 5-5-59, Cl. 145-52.
- Dierksen, Adolph. Resilient valve lifters for engines. 2,882,877, 4-21-59, Cl. 123-90.
- Dierksen, Adolph. Combined timing gears and oil pump. 2,883,001, 4-21-59, Cl. 184-31.
- Dierstein, Roy H., to General Electric Co. Core member for inductive device. 2,907,966, 10-6-59, Cl. 336-165.
- Dierstein, Roy H., and W. L. R. Henderson, to General Electric Co. Enclosure for electrical device. 2,878,301, 3-17-59, Cl. 174-50.
- Diesbach, E. B.: See—  
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- Diesbach, Frederick B. 2,917,324.
- Diesbach, Frederick B., to B. Benninghofen and F. R. Diesbach, trustees. Manifold stationery. 2,917,324, 12-15-59, Cl. 282-3.
- Diesel, John W., to Erdo Inc. Electrostatic relays and controls. 2,885,509, 5-5-59, Cl. 200-87.
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- Diesen, Anton K., and W. J. H. Adenstedt, to Telefonaktiebolaget L. M. Ericsson. Semi-automatic telephone exchange. 2,889,412, 6-2-59, Cl. 179-27.
- Diesfeld, Franz, to J. P. Sauer & Sohn, Gesellschaft mit beschränkter Haftung. Device for the shifting of gear speed in motor vehicle by the use of eddy-current-clutches. 2,916,944, 12-15-59, Cl. 74-472.
- Dietch, Leonard: See—  
Stark, John, Jr., and Dietch. 2,872,617.
- Dietch, Leonard, to Radio Corp. of America. Cathode ray beam deflection apparatus. 2,869,029, 1-13-59, Cl. 315-27.
- Dietch, Leonard, to Radio Corp. of America. Signal operated automatic color-killer system. 2,906,514, 9-29-59, Cl. 178-54.
- Dieterich, Richard E., and F. A. Werstein, to Phillips Drill Co. Combined handle and key for a percussive drill. Re. 24,639, 4-21-59, Cl. 121-36.
- Dieterle, Paul, to General Aniline & Film Corp. Duplicating machine. 2,913,858, 12-29-59, Cl. 95-94.
- Dietert, Harry W.: See—  
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- Dietert, Harry W., and R. L. 2,886,868.
- Dietert, Harry W. and R. L., to Harry W. Dietert Co. End point moisture content control apparatus for sand. 2,886,868, 5-19-59, Cl. 22-89.
- Dietert, Harry W., and J. E. Micksch, to Harry W. Dietert Co. Graphic control panel. 2,902,681, 9-1-59, Cl. 340-225.
- Dietert, Randolph L.: See—  
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- Dietrich, Arnold K., to Link Aviation, Inc. Low noise contact modulator. 2,919,322, 12-29-59, Cl. 200-90.
- Dietrich, Howard H., to General Motors Corp. Degasser. 2,868,521, 1-13-59, Cl. 261-41.
- Dietrich, Howard H., and L. W. Paterson, to General Motors Corp. Carburetor. 2,908,363, 10-13-59, Cl. 192-084.
- Dietrich, Leo, to Metallgesellschaft Akt., A. G. Separation of dust from sinter waste gas. 2,876,864, 3-10-59, Cl. 183-114.
- Dietrich, Paul, to Maschinenfabrik Augsburg-Nürnberg A.G. Series offset rotary printing press. 2,887,045, 5-19-59, Cl. 101-177.
- Dietrich, William G., and J. A. Shaw, to Essex Corp. Ball pen. Re. 24,649, 5-12-59, Cl. 120-42.03.
- Dietsch, Arne K.: See—  
Brunberg, Gunnar K., and Dietsch. 2,871,307.
- Dietsch, Francis W.: See—  
Musser, C. Walton, and Dietsch. 2,873,648.
- Dietsch, Frank W., and C. W. Musser, to United States of America, Army. Bias mechanism for matching the trajectories of guns. 2,876,679, 3-10-59, Cl. 89-41.
- Dietz, Albert: See—  
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- Cauwenberg, Winfred J., and Dietz. 2,879,132.
- Dietz, Dorothy H.: See—  
Dietz, Harry F. 2,898,262.
- Dietz, Gerald E., to Baso Inc. Magnetic control structure. 2,881,366, 4-7-59, Cl. 317-198.
- Dietz, Gerald E., and A. J. Hilgert, to Baso Inc. Electromagnetic control device. 2,869,049, 1-13-59, Cl. 317-166.
- Dietz, Harry F., deceased, by D. H. Dietz, executrix, to E. I. du Pont de Nemours and Co. Compositions and methods. 2,895,262, 8-4-59, Cl. 167-22.
- Dietz, Henry G., to Henry G. Dietz Co., Inc. Multiple circuit timer with adjustable time intervals. 2,903,239, 9-22-59, Cl. 161-1.
- Dietz, Henry G., Co., Inc.: See—  
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- Dietz, Karl, H. Greune, and H. Stroh, to Farbwerke Hoechst Aktiengesellschaft vormals Meister, Lucius & Brüning. Aqueous slurry of comminuted argillaceous limestone material and process of producing same. 2,903,365, 9-22-59, Cl. 106-100.
- Dietz, R. E., Co.: See—  
Stube, Fred F. 2,918,668.
- Dietz, Richard E., to Phillips Petroleum Co. Method of recovering hydrogenated rubbery polymers in crumb form. 2,905,658, 9-22-59, Cl. 260-85.1.
- Dietze, Arthur. Toy roundabout. 2,910,295, 10-27-59, Cl. 272-31.
- Dietzgen, Eugene, Co.: See—  
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- Weegar, Ralph P., and Unkauf. 2,873,207.
- Dietzler, Andrew J., to The Dow Chemical Co. Bisphenols. 2,894,004, 7-7-59, Cl. 260-393.
- Dietzler, Andrew J., to The Dow Chemical Co. 4,4'-alkylidenebis-(2-tert-butyl phenols). 2,917,350, 12-15-59, Cl. 260-619.
- Dietzler, Andrew J., and F. Bryner, to The Dow Chemical Co. a-substituted chlorocresols. 2,872,489, 2-3-59, Cl. 260-619.
- Dietzler, Andrew J., and E. C. Britton, to The Dow Chemical Co. Process for making hydrocarbons/mercaptophenones. 2,903,715, 9-22-59, Cl. 260-391.
- Diffusion Alloys Ltd.: See—  
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- Di Gaetano, John. Heel for shoes. 2,879,610, 3-31-59, Cl. 36-34.
- Digby, James J.: See—  
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- Digby, James J., to Bendix Aviation Corp. Engine starter drive. 2,880,619, 4-7-59, Cl. 74-7.
- Digby, James J., to Bendix Aviation Corp. Engine starter gearing. 2,901,912, 9-1-59, Cl. 74-7.
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- Digby, James J., to Bendix Aviation Corp. Engine starter gearing. 2,915,904, 12-8-59, Cl. 74-7.
- Digby, James J., and M. P. Whitney, to Bendix Aviation Corp. Engine starter drive for internal combustion engines. 2,915,903, 12-8-59, Cl. 74-7.
- Dighera, George, and E. E. Bennett. Lamp tube changing tool. 2,910,320, 10-27-59, Cl. 294-20.
- Dight, Evelyn M. Combined skewer and thermometer. 2,898,845, 8-11-59, Cl. 99-421.
- Di Giacomo, Anthony J.: See—  
Castellini, Nello R., and Di Giacomo. 2,900,633.
- Di Giacomo, Erasmus. Wheel mounting tool. 2,877,912, 3-17-59, Cl. 214-332.
- Di Giovanni, Mario, to Stratham Instruments, Inc. Pressure transducer. 2,885,520, 5-5-59, Cl. 201-63.
- Di Giovanni, Mario M., to Statham Instruments, Inc. Motion sensing device. 2,889,526, 6-2-59, Cl. 338-2.
- Di Giovanni, Mario, to Statham Instruments, Inc. Electrical accelerometer. 2,909,744, 10-20-59, Cl. 338-6.
- Di Giovanni, Mario, to Statham Instruments, Inc. Electrical strain wire transducer. 2,918,641, 12-22-59, Cl. 338-4.
- Di Giovanni, Norman P. Accelerator foot control and adjustment mechanisms. 2,908,183, 10-13-59, Cl. 74-513.
- Digitac, Inc.: See—  
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- Digital Control Systems, Inc.: See—  
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- MacDonnell, Gordon S. 2,892,131.
- Steele, Floyd G. 2,898,040.
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- Digital Techniques, Inc.: See—  
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- Digney, Frank J., Jr., and F. Bevilacqua, to United States of America, Atomic Energy Commission. Velocity indicator for extrusion press. 2,881,391, 4-7-59, Cl. 234-70.

- Dihydroly Co.: See—  
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- Dijksterhuis, Popko R., and A. R. Hovingh, to North American Philips Co., Inc. Vacuum tube. 2,918,596, 12-22-59, Cl. 313-257.
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- Dijkstra, Renger, to Shell Development Co. Alkylation of ortho-alkyl phenols. 2,874,193, 2-17-59, Cl. 260-624.
- Dijkstra, Rinse, J. de Jonge, and H. A. Klaseus, to North American Philips Co., Inc. Process for forming luminescent screens. 2,873,205, 2-10-59, Cl. 117-33.5.
- Dike, Thompson & Sanborn: See—  
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- Dillard, Sidney A. Concrete pipe making and laying machine. 2,878,544, 3-24-59, Cl. 25-32.
- Dilke, Max H., to The Distillers Co. Ltd. Plasticized linear polyethylene composition. 2,881,148, 4-7-59, Cl. 260-33.6.
- Dill, Bert L. Combination shock absorber, elevator and depressor for motor vehicles. 2,902,288, 9-1-59, Cl. 280-43.23.
- Dill, James M., to L. T. Ratigan. Microspectrographic system. 2,913,584, 11-17-59, Cl. 250-205.
- Dill Mfg. Co., The: See—  
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- Boyer, Ralph K. 2,874,750.
- Boyer, Ralph K., and Nece. 2,907,341.
- Dille, Kenneth L.: See—  
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- Dille & McGuire Mfg. Co.: See—  
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- Knarzer, Herman C. 2,909,884.
- Dillen, Warren A., to Reynolds Metals Co. Display frame having detachable interlocking joints. 2,869,263, 1-20-59, Cl. 40-155.
- Dillenburg, Albert, to Procede G.m.b.H. Noiseless piston device. 2,912,069, 11-10-59, Cl. 188-88.
- Dilling, Elmer D.: See—  
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- Dilling, Elmer D., to Titanium Metals Corp. of America. Electrode sealing and power connection apparatus. 2,871,178, 1-27-59, Cl. 204-246.
- Dilling, Elmer D., to Titanium Metals Corp. of America. Electrode handling and storing apparatus. 2,897,129, 7-28-59, Cl. 204-225.
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- Dillingham, Frederick L., to Soderhamn Machine Mfg. Co. Debarking roller having cushioned flails. 2,867,252, 1-6-59, Cl. 144-208.
- Dillingham, Frederick L., to Soderhamn Machine Mfg. Co. Means for moving elongated objects transversely of the line of travel thereof. 2,870,899, 1-27-59, Cl. 198-25.
- Dillman, Earnest J., to American Radiator & Standard Sanitary Corp. Control device. 2,887,888, 5-26-59, Cl. 74-97.
- Dillon, Ambrose P. Electrical circuit breakers. 2,886,670, 5-12-59, Cl. 200-116.
- Dillon, Oscar W.: See—  
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- Dillon, Vincent J. Printing press sheet registry indicator. 2,867,794, 1-6-59, Cl. 340-259.
- Dillon, Walter E., Jr. Toy water pistol. 2,915,221, 12-1-59, Cl. 222-79.
- Dillon, Wendell M., to Watts Regulator Co. Air line lubricator. 2,887,181, 5-19-59, Cl. 184-55.
- Dillonaire, Allen E., to The Louis Allis Co. Motor control circuit for constant cutting speed lathe. 2,891,206, 6-16-59, Cl. 318-145.
- Di Loreto, Albert. Window ventilating fan. 2,885,946, 5-12-59, Cl. 98-94.
- Dilts, Lee E.: See—  
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- Tyler, Leslie P., and Dilts. 2,892,568.
- Di Luo, Eugene. Ribbon inserter. 2,895,586, 7-21-59, Cl. 197-172.
- Dilworth, David L., Jr.: See—  
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- Dilworth, J. E., Co.: See—  
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- Dilworth, John P.: See—  
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- Roach, James R., and Dilworth. 2,880,176.
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- Dilworth, John P., K. Uhrig, and H. C. Becker, to The Texas Co. Stabilized calcium fatty acid base grease. 2,877,181, 3-10-59, Cl. 252-40.5.
- Dilworth, John P., T. B. Jordan, and B. L. Bengt, to The Texas Co. Method of grease manufacture which comprises shearing the grease mixture at high temperatures. 2,886,525, 5-12-59, Cl. 252-32.
- Dilworth, Richard M., to General Motors Corp. Railway vehicle truck. 2,874,648, 2-24-59, Cl. 105-185.
- Dim, Jacob, and M. Kurnow. Painting device. 2,889,804, 6-9-59, Cl. 118-504.
- Di Marco, Aurelio, and C. Spalla, to Società Farmaceutica Italia. Process of producing cobalamines by fermenting culture media with nocardia rugosa. 2,886,490, 5-12-59, Cl. 195-80.
- Di Mattia, Samuel P., and J. N. Bruce, to United States of America, Army. Surge pressure absorber. 2,908,294, 10-13-59, Cl. 138-30.
- Dimick, Keene P., and B. Makower, to United States of America, Agriculture. Process for preparing a solid flavoring composition. 2,904,440, 9-15-59, Cl. 99-140.
- Dimitriadis, James C. Spring operated teeter totter. 2,873,118, 2-10-59, Cl. 272-55.
- Dimitriadis, James C. Children's riding toy. 2,919,131, 12-29-59, Cl. 272-30.
- Dimmer, Donald J. Fishing line propeller guard. 2,916,010, 12-8-59, Cl. 115-42.
- Dimmer, Robert P., to General Telephone Laboratories, Inc. Party line paystation. 2,883,462, 4-21-59, Cl. 179-6.3.
- Di Moia, Joseph, Jr. Automatic griddle cleaner. 2,871,636, 2-3-59, Cl. 51-241.
- Dimond, Harold L., and M. O. Shrader, to Pittsburgh Coke & Chemical Co. Process of preparing thiophosphoryl chloride. 2,911,281, 11-3-59, Cl. 23-14.
- Dimond, Merrill R. Inflatable tents. 2,895,490, 7-21-59, Cl. 135-1.
- Dimond, Thomas L., to Bell Telephone Laboratories, Inc. Selective signaling receiver. 2,919,428, 12-29-59, Cl. 340-167.
- Di Nardo, Frank L.: See—  
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- Dinden, Henry R., to Institute of Gas Technology. Cyclic regenerative process for catalytic gasification of petroleum. 2,907,647, 10-6-59, Cl. 48-214.
- Dinger, Alfons W., and H. G. E. Strelow, to Schoppe & Faeser G.m.b.H. Mechanical recording indicator. 2,885,254, 5-5-59, Cl. 346-17.
- Dingman, Neville W.: See—  
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- Dingman, Robert E. Wallet card holding and display book and clamp therefor. 2,888,055, 5-26-59, Cl. 150-39.
- Dings Magnetic Separator Co.: See—  
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- Di Nicola, Joseph. Horizontal type pulley for clotheslines. 2,910,272, 10-27-59, Cl. 254-190.
- Dinkelkamp, Henry T., to Stewart-Warner Corp. Pressure reducing valve. 2,917,073, 12-15-59, Cl. 137-495.
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- Dinning, Robert W.: See—  
Peters, Clifford M., and Dinning. 2,897,836.
- Dinnison, Arthur D., A. H. Wamsley, and E. W. Hansen. Pump assembly having plurality of individual pump units. 2,902,935, 9-8-59, Cl. 103-4.
- Di Noble, Dominic. Key holder. 2,897,866, 8-4-59, Cl. 150-40.
- Di Norscia, Gaetano A., to The B. F. Goodrich Co. Coating process preventing discoloration of chlorosulfonated polyolefin polymer coatings by vulcanization of an under coat of same. 2,881,098, 4-7-59, Cl. 117-162.
- Dinowitz, Edward E., to Radio Corp. of America. Magnetic storage system. 2,911,630, 11-3-59, Cl. 340-174.
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- Dinsmore, Thomas L., and A. G. Thorp II, to McGraw-Edison Co. Mounting of sheet records. 2,889,191, 6-2-59, Cl. 346-138.
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- Dinwiddie, James A.: See—  
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Dodge, William W., and O. L. Hibbard, to International Business Machines Corp. Card positioning means. 2,877,081, 3-10-59, Cl. 346-85.  
Dodge, William W., and E. J. Ryan, Jr., to International Business Machines Corp. Toll ticket dispensers. 2,896,531, 7-28-59, Cl. 101-19.  
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Uraneck, Carl A., and Dodgen. 2,883,351.  
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Dods, Jean E. J.: See—  
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Dodwell, John M. Clutch. 2,895,577, 7-21-59, Cl. 192-41.  
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Doeg, Ralph W. Tennis ball projecting machine. 2,918,915, 12-29-59, Cl. 124-1.  
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Doerr, Dale D., to Kaiser Aluminum & Chemical Corp. Floor construction. 2,907,417, 10-6-59, Cl. 189-34.  
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Doerr, Edward L., and W. E. Weesner, to Monsanto Chemical Co. Polyglycol esters. 2,904,585, 9-15-59, Cl. 260-488.  
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- Domnick, Ludwig. Apparatus for the discharge of condensation water. 2,912,166, 11-10-59, Cl. 236-59.
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- Mund, Mark G., and Anderson. 2,887,177.
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- Donaldson, George R.: See—
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- Donaldson, Harry C., Jr., to Cluett, Peabody & Co., Inc. Sewing machine with finger to control bobbin thread. 2,884,882, 5-5-59, Cl. 112-154.
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- Donaldson, Robert E., to Gulf Research & Development Co. Pretreatment of catalytic cracking feed to remove metals. 2,906,693, 9-29-59, Cl. 208-87.
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- Donaldson, Warren J., and J. C. Jacobs, Jr., to General Electric Co. Vibration-attenuating sealing structure. 2,873,411, 2-10-59, Cl. 317-99.
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- Donaldson, William K., and D. Ainscough, to Tootal Broadhurst Lee Co. Ltd. Control of gaseous media in manufacturing processes. 2,870,628, 1-27-59, Cl. 73-29.
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- Donath, Wilm E. Method and apparatus for producing purified water from aqueous saline solutions. 2,904,511, 9-15-59, Cl. 210-59.
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- Doner, Sherman R., to Raybestos-Manhattan, Inc. Brake cup for an hydraulic brake. 2,884,292, 4-28-59, Cl. 309-33.
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- Don Products, Inc.: See—
- Brown, Donald A. 2,903,104.
- Donnan, Robert A.: See—
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- Caine, Roland H., and Krohn. 2,916,982.
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- Mundell, Elmore H., and Stark. 2,911,728.
- Schoenberger, Robert L., Jr. 2,893,022.
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- Donner, Verne P., W. W. Henning, and G. S. Allin, to International Harvester Co. Fluid power steering system. 2,917,125, 12-15-59, Cl. 180-79.2.
- Donnison, George H., to Abbott Laboratories. Manufacture of therapeutic substances. 2,876,225, 3-3-59, Cl. 260-257.
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- Donoghue, Robert J. Paint can closure means. 2,885,105, 5-5-59, Cl. 220-42.
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- Donovan, George C. Method and apparatus for reconditioning cylinder liners for diesel engines. 2,912,562, 11-10-59, Cl. 219-76.
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- Pagano, Joseph F., Donovick, Dutcher, and Heuser. 2,902,412.
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- Doonan, William. Arrowhead construction. 2,912,247, 11-10-59, Cl. 273-106.5.
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- Ratcliff, Karl A., and Dorrance. 2,869,544.
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- Dorsak, John W., and T. F. Van Denberg, to The Gordon Armstrong Co., Inc. Closure latch. 2,895,760, 7-21-59, Cl. 292-87.
- Dorschner, Clarence C., to Deltex Rag Co. Method and apparatus for twisting a flat strand. 2,883,822, 4-28-59, Cl. 57-31.
- Dorschner, Oskar: See—  
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- Dorsett, James W., Jr.: See—  
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- Dorsey, Dorman D. Appliance housing. 2,897,035, 7-28-59, Cl. 312-330.
- Dorsey, William S.: See—  
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- Dortmund-Hoerder Huttenunion Aktiengesellschaft: See—  
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- Dortort, Isadore K., to I-T-E Circuit Breaker Co. Cross-compounding of machine regulators. 2,894,149, 7-7-59, Cl. 307-57.
- Dortort, Isadore K., to I-T-E Circuit Breaker Co. Voltage balancing for series connected rectifiers. 2,895,099, 7-14-59, Cl. 321-11.
- Dorward, John G., Jr., to United States of America, Atomic Energy Commission. Thermally operated vapor valve. 2,873,375, 2-10-59, Cl. 250-41.9.
- Doscher, Todd M., and J. Reissberg, to Shell Development Co. Recovery of oil from tar sands. 2,882,973, 4-21-59, Cl. 166-42.
- Doser, Arnold, to Farbenfabriken Bayer Aktiengesellschaft. Impregnating agent. 2,906,776, 9-29-59, Cl. 260-534.
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- Dosker, Cornelius D., to Constock International Methane Ltd. Storage tank for cold liquids. 2,911,125, 11-3-59, Cl. 220-11.

- Doskocil, John F. Foldable and portable enclosure. 2,878,488, 3-24-59, Cl. 4-177.
- Dosmann, James A. Vehicle gas turbine power system. 2,888,802, 6-2-59, Cl. 60-39.16.
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- Dostal, Frank, to American Time Products, Inc. Tuning fork with its frequency immune to the effects of gravitation and acceleration. 2,894,188, 7-7-59, Cl. 318-127.
- Dostal, Frank, to American Time Products, Inc. Watch movement test support device. 2,900,815, 8-25-59, Cl. 73-6.
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- Dotson, Donald A., to The Garrett Corp. Power plant starting system. 2,888,801, 6-2-59, Cl. 60-39.14.
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- Downey, Richard M., to Midwest Insulations, Inc., Industrial Products Co., Inc., The Carney Co., Inc., and Airseal Insulations, Inc. Apparatus for forming mineral fibers and the like. 2,882,552, 4-21-59, Cl. 18-2.5.
- Downey, Wayne A., to J. I. Case Co. Adjustable hitch for towing vehicles. 2,878,035, 3-17-59, Cl. 280-482.
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- Downing, Eric W., to Joseph Lucas (Industries) Ltd. Liquid fuel injection pumps. 2,877,933, 3-17-59, Cl. 222-250.
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- Doyle, Frank P., and E. R. Stove, to Beecham Research Laboratories Ltd. Sulphonium compounds. 2,877,265, 3-10-59, Cl. 260-501.
- Doyle, Irving W., and A. G. Nash, to Fairchild Camera and Instrument Corp. Focal plane camera shutter. 2,907,256, 10-6-59, Cl. 95-57.
- Doyle, James A., 24.5% to H. L. Wingo, and 24.5% to V. Caldwell. Aerosol can spray head. 2,911,158, 11-3-59, Cl. 239-573.
- Doyle, James A., 24.5% to H. L. Wingo, and 24.5% to V. Caldwell. Aerosol can spray head. 2,911,159, 11-3-59, Cl. 239-573.
- Doyle, Orville K. Flush tank valve. 2,911,000, 11-3-59, Cl. 137-414.
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- Doyle, William T., to Nordson Pharmaceutical Laboratories, Inc. L-amphetamine alginate. 2,906,665, 9-29-59, Cl. 167-55.
- Doyle, William T., to Sturtevant Mill Co. Rotary pulverizer mill with flat face stator bars. 2,919,074, 12-29-59, Cl. 241-53.
- Doyle, William V. Device for supporting, carrying and closing a container. 2,910,208, 10-27-59, Cl. 220-39.
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- Draeger, Kenneth E., and L. A. Nicolai, to Esso Research and Engineering Co. Retaining catalyst fines in fluid hydro-forming. 2,906,704, 9-29-59, Cl. 208-150.
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- Dräger, Otto H. Shock pressure valve for shelters. 2,873,662, 2-17-59, Cl. 98-119.
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- Drake, George L., Jr., W. A. Reeves, and L. H. Chance, to United States of America, Agriculture. Flame resistant organic textiles and method of production. 2,911,325, 11-3-59, Cl. 117-136.
- Drake, Harcourt C., to Sperry Products, Inc. Method and means for detecting flaws in magnetic material. 2,900,596, 8-18-59, Cl. 324-37.
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- Drake, Robert T., to Clevite Harris Products, Inc. Flexible coupling and method of making same. 2,869,339, 1-20-59, Cl. 64-11.
- Drake, Rodney. Insulators for supporting an electric wire fence. 2,899,487, 8-11-59, Cl. 174-170.
- Drake, Joseph E., and W. E. Ruther, to United States of America, Atomic Energy Commission. Nuclear reactor component cladding material. 2,871,176, 1-27-59, Cl. 204-193.2.
- Drane, Edward O., to H. Fishlove & Co. Amusement novelty. 2,908,499, 10-13-59, Cl. 272-8.
- Drane, Phillips B. Valve and actuating means. 2,873,942, 2-17-59, Cl. 251-151.
- Dranetz, Abraham I., to Gulton Industries, Inc. Calibrating system for accelerometers. 2,873,426, 2-10-59, Cl. 324-56.
- Dranetz, Abraham I., to Gulton Industries, Inc. Accelerometer. 2,880,333, 3-31-59, Cl. 310-8.2.
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- Dreher, John A., to General Cigar Co. Inc. Variable dispenser of ribbon segments. 2,909,222, 10-20-59, Cl. 164-226.
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- Hyman, Herbert H., and Dreher. 2,893,824.
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- Dreher, Paul A. Collapsible barricade. 2,882,021, 4-14-59, Cl. 256-64.
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- Drennan, Emil J. Method and apparatus for gauging headlight alignment. 2,913,824, 11-24-59, Cl. 33-46.
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- Drenning, John W., to Koppers Co., Inc. Coaxial cable termination. 2,906,809, 9-29-59, Cl. 174-73.
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- Drescher, John F. Impulse generator. 2,904,707, 9-15-59, Cl. 310-15.
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- Czippott, Akos Z., and Floyd. 2,884,507.
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- Erath, Louis W. 2,879,471.
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- Falter, Henry E., and Vaughan. 2,897,920.
- Floyd, Acey L., Jr. 2,880,119.
- Halliday, David. 2,887,744.
- Hawthorne, Milla M. 2,897,440.
- Hodges, Stephen B., Lewis, and Thomas. 2,886,172.
- Hoke, Howard L. 2,897,568.
- Hollmann, Hans E. 2,918,573.
- Lamb, Jefferson P. 2,879,648.
- Marx, Paul F. 2,887,446.
- McManis, Louis B. 2,888,636.
- Porter, Forrest V. 2,879,972.
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- Hammer, Otto. 2,885,186.
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- Drevers, Josef: See—
- Raecke, Bernhard, and Drevers. 2,916,414.
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- Barsky, George. 2,886,585.
- Barsky, George, and Babayan. 2,886,438.
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- Drew, Ernest F. Margarine oil composition. 2,874,056, 2-17-59, Cl. 99-118.
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- Drewitt, James G. N.: See—
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- Drewitz, Edwin W., and V. Stein, to De Jur-Amsco Corp. Variable resistor with shorted section. 2,898,567, 8-4-59, Cl. 338-92.
- Drexler, Ernest, to Lombard Corp. Control apparatus for extrusion press machinery. 2,897,783, 8-4-59, Cl. 121-38.
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- Dreyfus, Asher, Jr. Display rack clip. 2,868,385, 1-13-59, Cl. 211-71.
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- Drieves, Margaret: See—
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- Drilco Oil Tools, Inc.: See—
- Rollins, Henry M. 2,885,225.
- Drillick, Jacob H., to Monroe Calculating Machine Co. Electromagnetic stepping device. 2,895,091, 7-14-59, Cl. 317-192.
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- Drinker, Henry S.: See—
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- Driver, Paul C. Force measuring apparatus. 2,899,190, 8-11-59, Cl. 264-1.
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- Dromgold, Clarence W. Pipeline washing apparatus. 2,897,827, 8-4-59, Cl. 134-56.
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- Drope, Winfried: See—
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- Dropkin, Herbert A.: See—
- Cacheris, John C., and Dropkin. 2,896,172.
- Droulard, Nelson R.: See—
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- Bernas, René, and Druaux. 2,909,697.
- Drubin, Melr, to General Precision Laboratory Inc. High frequency multivibrator. 2,906,965, 9-29-59, Cl. 331-145.
- Druce, William J., to Engelhard Industries Ltd. Developer feed tank apparatus. 2,887,029, 5-19-59, Cl. 95-89.
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- Drug Research, Inc.: See—
- Paterson, Laurene O. 2,868,787.
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- Witty, Ralph P. D., and Drum. 2,887,435.
- Drum, Raymond P., and L. A. Wenn, to International Business Machines Corp. Insulation piercing terminal. 2,873,434, 2-10-59, Cl. 339-97.
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- Reed, James H., III. 2,918,866.
- Dryer, Eldon O. Quick change line blind. 2,889,853, 6-9-59, Cl. 138-94.3.
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- Drysdale, Royston F., and S. A. C. Burton, to The Walterisation Co. Ltd. Method of phosphate coating surfaces of metals. 2,877,148, 3-10-59, Cl. 148-6.15.
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- Duane, William C., to The Carney Co., Inc. Batt cutting machine. 2,870,839, 1-27-59, Cl. 164-61.
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- Dublin, James R., III: See—
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- Dubuque Awning & Tent Co., Inc.: See—
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- Ducrot, Albert. Folding bed adapted when folded to constitute a seat with back. 2,897,517, 8-4-59, Cl. 5-42.
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- Dudenhausen, Hans J., to Intavex, Inc. Dynamometer. 2,877,646, 3-17-59, Cl. 73-141.
- Dudgeon, Frank M. Tool for externally truing and honing cylindrical workpieces. 2,908,119, 10-13-59, Cl. 51-241.
- Dudley, Charles F., to Dow Corning Corp. Leather article. 2,911,327, 11-3-59, Cl. 117-142.
- Dudley, Edmond R., and J. H. Quast, to Peerless Equipment Co. Can handling apparatus. 2,873,018, 2-10-59, Cl. 198-33.
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- Dudley, John W., and R. H. Malm, to Minneapolis-Honeywell Regulator Co. Sonar apparatus. 2,890,437, 6-9-59, Cl. 340-3.
- Dudley, Kenneth W., to The National Supply Co. Cable drum grooving. 2,892,598, 6-30-59, Cl. 242-117.
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- Duenke, Kenneth L., to The Clarken Co. Transformer bushing assembly. 2,883,640, 4-21-59, Cl. 339-202.
- Duennenberger, Max: See—
- Siegrist, Adolf E., and Duennenberger. 2,899,440.
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- Dufalt, George J., to Sylvania Electric Products, Inc. Automatic frequency control apparatus. 2,877,379, 3-10-59, Cl. 315-27.
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- Duff, Jack E., to The Hoover Co. Suction cleaner nozzle support. 2,881,465, 4-14-59, Cl. 15-360.
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- Duffin, Geoffrey E.: See—
- Wright, Ernest A., and Duffin. 2,918,989.
- Duffin, James M.: See—
- Cosgrove, Stanley L., and Duffin. 2,891,850.
- Duff-Norton Co.: See—
- Carroll, Charles. 2,884,800.
- Duffy, Anne R.: See—
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- Duffy, John R., G. W. Holz, and A. W. Lillienberg, to Lindberg Engineering Co. Electric heating furnace and method of heating. 2,896,004, 7-21-59, Cl. 13-22.
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- Duffy, Philip A., to Westinghouse Electric Corp. X-ray apparatus. 2,900,513, 8-18-59, Cl. 250-53.
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- Dufour, Raymond J. Temperature compensating means for fluid meters. 2,886,969, 5-19-59, Cl. 73-283.
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- George, James T., and Dugger. 2,908,354.
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- Dumbauld, George K.: See—  
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- Dumbolton, Carl P. Door construction. 2,895,183, 7-21-59, Cl. 20-19.
- Dumesnil, Maurice E., and O. A. Short, to E. I. du Pont de Nemours and Co. Resistors. 2,886,476, 5-12-59, Cl. 117-212.
- Du Mond, Virgil R. Poultry drinking fountain. 2,872,898, 2-10-59, Cl. 119-74.
- Du Mont, Allen H. Laboratories, Inc.: See—  
Ault, Cyrus F. 2,888,634.  
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Bang, Moses W. 2,884,612.  
Berkley, Carl. 2,909,599.  
Beste, Harold E. 2,884,561.  
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Casey, Robert F. 2,871,350.  
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Leighton, Herndon W. 2,900,762.  
Max, Lawrence T. 2,886,729.  
Mezger, George R. 2,890,921.  
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Pacini, Humbert P. 2,887,530.  
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Sanford, Emil. 2,869,026.  
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Sanger, Richard B. 2,870,325.  
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- Dumont Corp.: See—  
Layton, William B., Jr., Miller, and Smith. 2,873,875.
- Dumont, Donald C., to Dennison Mfg. Co. Packages for displaying pens, pencils and the like. 2,872,030, 2-3-59, Cl. 206-45.14.
- Dumont Freres & Cie.: See—  
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- Dumont Milling Industries, Division of Dumont: See—  
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- Dumore Co., The: See—  
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- Du-More Fixture Co., Inc.: See—  
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- Dumore, Lloyd F. Process of making fertilizer from poultry droppings and feathers. 2,906,615, 9-29-59, Cl. 71-18.
- Dumousseau, Claude R. J., and A. E. J. Chatelon, to International Standard Electric Corp. Systems for recording and selecting information. 2,881,415, 4-7-59, Cl. 340-174.
- Dunagan, Edgar L., L. P., and K. M. Support for trash can. 2,911,180, 11-3-59, Cl. 248-346.
- Dunagan, Kenneth M.: See—  
Dunagan, Edgar L., L. P., and K. M. 2,911,180.
- Dunagan, Lena P.: See—  
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- Dunaway, Reece J., to The Garrett Corp. Temperature compensated pneumatic governor. 2,873,754, 2-17-59, Cl. 137-81.
- Dunaway, Ulrich C. Spring clasps. 2,908,060, 10-13-59, Cl. 24-254.
- Dunbar, Alver, G. J. Hausmann, and B. S. Johnson, to Franklin Research Co. Composition for deposition of a parting surface film. 2,907,681, 10-6-59, Cl. 117-92.
- Dunbar, Frank H., to F. J. Reilly. Refrigerating system having reverse flow. 2,896,425, 7-28-59, Cl. 62-282.
- Dunbar, George W., to Kusan Inc. Automatic coupling and uncoupling means for miniature trains. 2,872,051, 2-3-59, Cl. 213-75.
- Dunbar, John V.: See—  
Cornell, Arthur A., Dunbar, and Ruffner. 2,906,852.
- Dunbar, Joseph E., to The Dow Chemical Co. N,N'-bis(di-alkoxyphosphinothioyl)-p-benzoguinoline diimine compounds. 2,907,775, 10-6-59, Cl. 260-396.
- Dunbar, Robert R. Holder construction. 2,869,883, 1-20-59, Cl. 279-56.
- Dunbar, Spurgeon P., to Hofmann Industries, Inc. Mop. 2,898,617, 8-11-59, Cl. 15-119.
- Duncan, Alan C.: See—  
Duncan, Theodore R. 2,866,328.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Scraper chain conveyor structures. 2,869,713, 1-20-59, Cl. 198-204.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Roof supports. 2,872,147, 2-3-59, Cl. 248-351.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Roof supports. 2,888,230, 5-26-59, Cl. 248-354.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Roof supports. 2,888,231, 5-26-59, Cl. 248-356.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Chock release. 2,893,679, 7-7-59, Cl. 248-351.
- Duncan, Angus W., to The Mining Engineering Co. Ltd. Chock release. 2,904,301, 9-15-59, Cl. 248-351.
- Duncan, Bobby J., to Sperry Rand Corp. Microwave isolator. 2,915,713, 12-1-59, Cl. 333-24.
- Duncan, Chester L. Attachment for starting an internal combustion engine. 2,901,911, 9-1-59, Cl. 74-7.
- Duncan Electric Co., Inc.: See—  
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- Duncan, George R.: See—  
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- Duncan, Golda A.: See—  
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- Duncan, Herbert. Tractor clutch shifting mechanism for power take-off. 2,888,087, 5-26-59, Cl. 180-53.
- Duncan, Ira J., to Detrex Chemical Industries, Inc. Silicone resin remover and method. 2,897,104, 7-28-59, Cl. 134-29.
- Duncan, James E.: See—  
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Smith, John J., and Duncan. 2,901,366.
- Duncan, James E., to Pittsburgh Plate Glass Co. Glass composition. 2,902,377, 9-1-59, Cl. 106-52.
- Duncan, James E., to Pittsburgh Plate Glass Co. Ophthalmic glass. 2,913,345, 11-17-59, Cl. 106-52.
- Duncan, James E., and S. L. Seymour, to Pittsburgh Plate Glass Co. Ivory, opalescent glasses. 2,898,219, 8-4-59, Cl. 106-52.
- Duncan, James K.: See—  
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- Duncan, James O. Liquid dispensing device. 2,872,953, 2-10-59, Cl. 141-237.
- Duncan, John E. Hysteresis clutch. 2,912,607, 11-10-59, Cl. 310-99.
- Duncan, Leon L.: See—  
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- Duncan, Leon L., Lloyd P., and G. R., to Zero Manufacturing Co. Bulk milk tank and washer therefor. 2,873,722, 2-17-59, Cl. 119-14.09.
- Duncan, Lloyd P.: See—  
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- Duncan, Nesbit L.: See—  
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- Duncan, Owen G. Storage battery with flush secondary cover. 2,880,261, 3-31-59, Cl. 136-168.
- Duncan, Richard E., to Minnesota Mining & Mfg. Co. Machine for making ornamental pompon bows. 2,872,086, 2-3-59, Cl. 223-46.
- Duncan, Robert J.: See—  
Johnson, Roy W., Duncan, Braid, and Healy. 2,902,578.
- Duncan, Robert W.: See—  
Morgan, Mervyn, Wild, and Duncan. 2,903,692.
- Duncan, Sidney. Car top boat carrier and loader. 2,885,102, 5-5-59, Cl. 214-450.
- Duncan, Theodore R.: See—  
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- Duncan, Theodore R. Music comb with cast base. 2,876,670, 3-10-59, Cl. 84-94.
- Duncan, Theodore R., 26% to G. A. Duncan, 24% to T. R. Duncan, and 24% to A. C. Duncan. Phonograph repeat mechanism. 2,886,328, 5-12-59, Cl. 274-15.
- Duncan, William A. Lawn mower. 2,891,371, 6-23-59, Cl. 56-252.
- Dunderdale, John, and A. H. Cockett, to The British Oxygen Co. Ltd. Methods of and means for the estimation of small quantities of gaseous impurities in rare gases. 2,916,693, 12-8-59, Cl. 324-33.
- Dunderman, Fred J. Domestic oil burner electrode gauge. 2,896,334, 7-28-59, Cl. 33-180.

- Dunenfeld, Marvin S.: See—  
Diepenhorst, Gerald, and Dunenfeld. 2,896,046.
- Duner, Joseph. Automobile bed platform. 2,886,831, 5-19-59, Cl. 5-94.
- Dunes, Walter A.: See—  
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- Dungey, James, to Handi-Mugs Inc. Separable drinking rim and opener for can containers. 2,881,952, 4-14-59, Cl. 222-86.
- Dungler, Julien. Enclosure for treating web material. 2,877,636, 3-17-59, Cl. 68-5.
- Dungler, Julien. Drying of fabrics, papers, cardboard, and other lengthy materials. 2,896,335, 7-28-59, Cl. 34-68.
- Dunham-Bush, Inc.: See—  
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- Dunham, David W. Combined wrench and marking device. 2,901,934, 9-1-59, Cl. 81-53.
- Dunham, George W.: See—  
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- Dunham, George W. Brake mechanism. 2,875,858, 3-3-59, Cl. 188-77.
- Dunham, Kenneth R.: See—  
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- Dunham, Stuart B., to General Electric Co. Dust particle counting apparatus. 2,887,227, 5-19-59, Cl. 209-209.
- Dunham, Thomas M., to Aurora Equipment Co. Snap-on bin divider. 2,884,139, 4-28-59, Cl. 211-184.
- Dunlap, Donald W.: See—  
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- Dunkel, Günter: See—  
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- Dunkel, Morris: See—  
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- Dunkelberger, Jack E.: See—  
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- Dunkelberger, Milton S., deceased; J. E. Dunkelberger, executor, to The American Display Co. Display assembly. 2,884,726, 5-5-59, Cl. 40-106.41.
- Dunker, Henry C. L. Tennis balls. 2,896,949, 7-28-59, Cl. 273-61.
- Dunkerley, Arthur A. Camshaft bearing installing tool. 2,899,741, 8-18-59, Cl. 29-263.
- Dunkerly, Cleo K., and G. L. Rushing, to United Shoe Machinery Corp. Sewing machines. 2,902,955, 9-8-59, Cl. 112-60.
- Dunkle, Robert V.: See—  
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- Dunlap, Acton: See—  
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- Dunlap, Edwin V., to Aqua Matic Inc. Motor-operated valve. 2,871,883, 2-3-59, Cl. 137-633.
- Dunlap, Henry F.: See—  
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- Dunlap, Henry L.: See—  
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- Dunlap, Henry L., to Evans Products Co. Freight loading apparatus. 2,879,721, 3-31-59, Cl. 105-369.
- Dunlap, Henry L., to Evans Products Co. Cross bar. 2,879,722, 3-31-59, Cl. 105-369.
- Dunlap, Henry L., to Evans Products Co. Freight loading cross bar. 2,887,963, 5-26-59, Cl. 105-369.
- Dunlap, Henry L., to Evans Products Co. Freight securing means. 2,895,430, 7-21-59, Cl. 105-369.
- Dunlap, Henry L., to Evans Products Co. (Delaware). Freight securing bar. 2,900,925, 8-25-59, Cl. 105-369.
- Dunlap, Irving R., and F. D. Patchen, to Socony Mobil Oil Co., Inc. Cement. 2,878,875, 3-24-59, Cl. 166-31.
- Dunlap, Isaac R.: See—  
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- Dunlap, Isaac R., to Johnson & Johnson. Process for making a unified fibrous web. 2,905,584, 9-22-59, Cl. 162-135.
- Dunlap, James L. Valve structures. 2,889,852, 6-9-59, Cl. 137-625.19.
- Dunlap, John G., C. L. Palmer, and R. Seferian, to Esso Research and Engineering Co. Integrated hydrofining process. 2,906,694, 9-29-59, Cl. 208-97.
- Dunlap, Kermit S., to Bell Telephone Laboratories, Inc. Eight party full selective ringing system. 2,875,279, 2-24-59, Cl. 179-17.
- Dunlap, Lawrence H., and J. A. Parker, to Armstrong Cork Co. Linoleum composition and process of making it. 2,873,201, 2-10-59, Cl. 106-228.
- Dunlap, Marlon W., to Indiana Commercial Filters Corp. Method of making a filter cartridge. 2,918,764, 12-29-59, Cl. 53-24.
- Dunlap, Robert B., to Jacob S. Kamborian. Lasting machine with improved wiper action. 2,891,265, 6-23-59, Cl. 12-12.4.
- Dunlap, Roy R.: See—  
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- Dunlap, William, and H. J. McDermott, to American Viscose Corp. Apparatus for lacing spinning tubes. 2,872,702, 2-10-59, Cl. 18-8.
- Dunleavy, James F. Filing folders. 2,874,699, 2-24-59, Cl. 129-16.7.
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- Dunlop, Charles A., to Jersey Production Research Co. Tubing joint connection. 2,915,322, 12-1-59, Cl. 285-10.
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- Dunlop Rubber Co. Ltd.: See—  
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- Dunlop Tire and Rubber Corp.: See—  
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- Dunn, Earl F.: See—  
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- Dunn, Earl F., to The Singer Mfg. Co. Dual purpose feet for blindstitch machines. 2,882,850, 4-21-59, Cl. 112-260.
- Dunn, Earl F., to The Singer Mfg. Co. Sewing machine feeding mechanisms. 2,899,920, 8-18-59, Cl. 112-210.
- Dunn, Edward J., Jr., and M. Kushner, to National Lead Co. Composite antimony oxides-silica pigment and process of manufacture. 2,882,178, 4-14-59, Cl. 106-303.
- Dunn, Eustace S. Self-equalizing thrust device. 2,871,070, 1-27-59, Cl. 308-160.
- Dunn, George B., Jr., to General Electric Co. Three phase induction motor winding. 2,905,840, 9-22-59, Cl. 310-202.
- Dunn, Grace T. Sanitary belt arrangement. 2,871,859, 2-3-59, Cl. 128-289.
- Dunn, Holbert E., to Vanadium Corp. of America. Apparatus for indicating the dip of an electrode in a submerged arc electric furnace. 2,901,828, 9-1-59, Cl. 33-125.
- Dunn, Howard J., to Van Camp Sea Food Co., Inc. Stable powdered oil soluble vitamins and method of preparing stable powdered oil soluble vitamins. 2,897,119, 7-29-59, Cl. 167-81.
- Dunn, J. Frank: See—  
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- Dunn, Jesse T., to Union Carbide Corp. Refining of acrylonitrile. 2,878,166, 3-17-59, Cl. 202-39.5.
- Dunn, John E.: See—  
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- Dunn, John F., to Daystrom, Inc. Photographic exposure meters. 2,879,690, 3-31-59, Cl. 88-23.
- Dunn, Joseph B., to General Motors Corp. Refrigerating apparatus. 2,909,314, 10-20-59, Cl. 230-47.
- Dunn, Lewis R., and L. W. Eckert, to Armstrong Cork Co. Fiberboard and method of flameproofing the same. 2,875,044, 2-24-59, Cl. 92-3.
- Dunn, Lonnie M.: See—  
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- Dunn, Lyman D. Portable food and beverage container or holder. 2,875,940, 3-3-59, Cl. 229-30.
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- Dunn, Thomas J. J.: See—  
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- Dunn, Thomas P., to Revere Copper and Brass, Inc. Induction welding of tubes. 2,912,549, 11-10-59, Cl. 219-8.5.
- Dunn, Walter D. Tube and bottle closures. 2,873,895, 2-17-59, Cl. 222-522.
- Dunn, William T.: See—  
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- Dunning, Franklin W.: See—  
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- Dunning, Leighton, to W. M. Wilson's Sons, Inc. Registering meter re-setting means. 2,885,147, 5-5-59, Cl. 235-144.



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- Dunning, Robert M.: See—  
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- Dunsmuir, Robert, to The British Thomson-Houston Co. Ltd. Klystrons. 2,871,396, 1-27-59, Cl. 315-5.39.
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- Dupke, Werner, to Kurt Korber & Co. K. G. Cigarette making machines. 2,868,210, 1-13-59, Cl. 131-66.
- Duplan Corp.: See—  
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- Duplin, Victor J., Jr., to The Babcock & Wilcox Co. Method of providing magnesia ash resistant furnace lining. 2,889,608, 6-9-59, Cl. 25-155.5.
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Bludzius, Irene D., Rockwell, and Jucaitis. 2,876,104.  
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Brehm, Warren J., Bremer, Eleuterio, and Meschke. 2,918,501.  
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Bruce, John M., Jr. 2,909,512.  
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Dennis, William P. 2,906,643.  
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- Dye, Glen M., and C. K. Miller, to Pako Corp. Apparatus for handling belt and arm. 2,878,924, 3-24-59, Cl. 198-185.
- Dye, Glen M., R. Sardeson, and E. C. Winter, to Pako Corp. Apparatus for treating photographic sheets. 2,902,914, 9-8-59, Cl. 95-97.
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- Dye, Robert C., and R. C. Haag. Interchangeable belt. 2,885,684, 5-12-59, Cl. 2-300.
- Dye, Robert F., to Phillips Petroleum Co. Stirred reactor. 2,875,027, 2-24-59, Cl. 23-285.
- Dye, Robert F., to Phillips Petroleum Co. Separation of alkynes from olefins. 2,917,563, 12-15-59, Cl. 260-677.
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- Dyer, James A. Float operated switch. 2,906,834, 9-29-59, Cl. 200-84.
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- Dyer, John B., and W. D. Harrison, to General Motors Corp. Windshield wiper actuating mechanism. 2,880,621, 4-7-59, Cl. 74-75.
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- Dyer, Lloyd W., W. F. Born, and J. B. Wallace, to Westinghouse Electric Corp. Bus duct for electrical distribution systems. 2,913,513, 11-17-59, Cl. 174-88.
- Dyer, Tom L. Jr., and R. T. Innis, to Westinghouse Electric Corp. Spark gap device. 2,906,910, 9-29-59, Cl. 313-156.
- Dyess, James L., to R. H. Dyess. Stump puller. 2,877,572, 3-17-59, Cl. 37-2.
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- Dyke, Walter P., and J. P. Barbour, to Research Corp. Heat stabilized field emission electron sources. 2,916,668, 12-8-59, Cl. 315-107.
- Dykeman, George, and T. R. Schuerger, to United States Steel Corp. System for determining peak location of temperature. 2,878,003, 3-17-59, Cl. 263-28.
- Dyken, Charles P. Rolling machine. 2,881,984, 4-14-59, Cl. 242-66.
- Dykes, Eugene B. Hydraulically operated flush tank. 2,884,648, 5-5-59, Cl. 4-43.
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- Dyl, Dorothy E.: See—  
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- Dymeck, Lewis G., and H. A. Smith. Hydraulic transmission. 2,888,118, 5-26-59, Cl. 192-59.
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- Dyne, Godfrey D., to ACF Industries, Inc. Electrodynamical machine and control switch therefor. 2,890,399, 6-9-59, Cl. 318-254.
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- Dyrdahl, Gordon H., to Owatonna Mfg. Co., Inc. Hay crop swath and treating machine. 2,908,126, 10-13-59, Cl. 56-1.
- Dyrkacz, Wasil W., G. Aggen, and E. E. Reynolds, to Allegheny Ludlum Steel Corp. Austenitic alloys. 2,873,187, 2-10-59, Cl. 75-124.
- Dyrlund, Ada E. Portable toilet. 2,885,688, 5-12-59, Cl. 4-135.
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- Dzula, Boris: See—  
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- Dzus Fastener Co., Inc.: See—  
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- E. R. A. Patents Ltd.: See—  
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- "E S T" Establishment Sciences Techniques: See—  
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- Eachus, Iredell, Jr. Method and apparatus for recording and reproducing data. 2,898,577, 8-4-59, Cl. 340-174.
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- Eads, David K., and G. P. Glustl, to Texas Gulf Sulphur Co. Production of sulfur from pyrites. 2,872,294, 2-3-59, Cl. 23-224.
- Eagle, John H., to Eastman Kodak Co. Photographic viewing apparatus. 2,881,659, 4-14-59, Cl. 88-24.
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- Eagle Ottawa Leather Co.: See—  
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- Eagleston, Joe B. Method for cladding steels of different compositions. 2,916,602, 12-8-59, Cl. 219-76.
- Eagon, Beverly M., and G. K. Greninger, Jr., to The Dow Chemical Co. Edible oil emulsions. 2,906,626, 9-29-59, Cl. 99-140.
- Eaker, Charles M.: See—  
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- Eaker, Charles M., and J. R. Campbell, to Monsanto Chemical Co. Acetophenetidine. 2,887,513, 5-19-59, Cl. 260-562.
- Eakin, Birch H. Optical instrument. 2,875,751, 3-3-59, Cl. 128-76.5.
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- Eakin, John V., and J. S. Walsh, to Fawick Corp. Assembly for clutches and brakes. 2,870,891, 1-27-59, Cl. 192-88.
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- Eales, Ben L., and V. M. Elder. Flying eel fish lure. 2,906,053, 9-29-59, Cl. 43-42.51.
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- Eames, James O., to The Michaels Art Bronze Co., Inc. Door closing and actuating mechanism for parking meters. 2,896,764, 7-28-59, Cl. 194-72.
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- Eames, William F., to Westinghouse Electric Corp. Elevator systems. 2,900,047, 8-18-59, Cl. 187-29.
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- Eames, William F., to Westinghouse Electric Corp. Door control apparatus. 2,900,521, 8-18-59, Cl. 250-208.
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- Earhart, Oscar C. Tray. 2,903,311, 9-8-59, Cl. 311-22.

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- Earl, Howard E., and R. W. Hilgers, to Sundstrand Corp. Rubbing machine. 2,918,761, 12-29-59, Cl. 51-170.
- Earl, John A., to Consolidated Electrodynamics Corp. Vitreous enamel. 2,916,388, 12-8-59, Cl. 106-49.
- Earl, Robert P., and E. S. Welch, Jr., to Fenwal Inc. Kit and packaging, mixing and dispensing means for mixture ingredients. 2,899,547, 7-7-59, Cl. 206-47.
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- Earle, Francis, Laboratories, Inc.: See—  
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- Earle, Theodore. Method of stripping epidermal material from grains. 2,867,256, 1-6-59, Cl. 146-221.0.
- Earles, Louis A., Jr., to G. Miller. Paste tube holder, dispenser and closure device. 2,904,225, 9-15-59, Cl. 222-183.
- Earley, James J., and C. J. Franz, to Allied Chemical Corp. Method and apparatus for dehydrating aqueous caustic solutions. 2,873,799, 2-17-59, Cl. 159-49.
- Earley, James W., and W. J. McVeagh, to Gulf Research & Development Co. Weighting material. 2,900,337, 8-18-59, Cl. 252-8.5.
- Earley, James W., and I. H. Milne, to Gulf Research & Development Co. Manufacture of synthetic sodalite. 2,911,285, 11-3-59, Cl. 23-110.
- Earley, Wilbur F.: See—  
Gunter, Ronald M., and Earley. 2,868,909.  
Gunter, Ronald M., and Earley. 2,907,398.
- Early & Daniel Co., The: See—  
Early, Robert L. 2,891,711.
- Early, Edwards D. Computer network for the economic loading of power sources. 2,871,374, 1-27-59, Cl. 307-57.
- Early, Edwards D. Generation control system. 2,871,375, 1-27-59, Cl. 307-57.
- Early, James M., to Bell Telephone Laboratories, Inc. Method of fabricating semiconductive translating devices. 2,912,371, 11-10-59, Cl. 204-143.
- Early, Paul F.: See—  
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- Early, Paul F., to Standard-Thomson Corp. Intermittently engaging clutch. 2,889,712, 6-9-59, Cl. 74-125.5.
- Early, Richard L.: See—  
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- Early, Robert L., to The Early & Daniel Co. Package and bird feeder. 2,891,711, 6-23-59, Cl. 229-17.
- Earnest, Howard O.: See—  
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- Earnhart, William C. Thread lubricating attachment for sewing machines. 2,885,954, 5-12-59, Cl. 112-218.
- Earnshaw, Frederick M., and H. E. Price, to W. H. Reisner Mfg. Co., Inc. Combined radio telephone VHF transmitter and receiver. 2,885,541, 5-5-59, Cl. 250-13.
- Earp, Charles W., to International Standard Electric Corp. Electric signal communication systems. 2,871,290, 1-27-59, Cl. 178-43.5.
- Eash, George H., to The Toledo Trust Co., trustee. Recorder-play back instrument employing endless magnetic tape. 2,876,005, 3-2-59, Cl. 271-218.
- Eash, Owen J., to Kleer Kleen Mfg. Co. Adjustable supporting unit. 2,913,207, 11-17-59, Cl. 248-148.
- Easley, Seth F., to Southwestern Development Co. Roller paint applicator. 2,882,541, 4-21-59, Cl. 15-128.
- East, Thomas R.: See—  
Richman, Jacob S., and East. 2,896,527.
- East, William J., and H. M. Landers. Pyrotechnic circuit tester. 2,877,419, 3-10-59, Cl. 324-133.
- Easter, Brian, to The General Electric Co. Ltd. Apparatus for obtaining measurements of electric power. 2,906,957, 9-29-59, Cl. 324-98.
- Easter, Elmer W., to Dravo Corp. Spring balanced fluid pressure control valve. 2,872,943, 2-10-59, Cl. 137-622.
- Easter, George J., to Electro Refractories & Abrasives Corp. Ceramic ware support for use in kilns. 2,871,543, 2-3-59, Cl. 25-153.
- Easter, Ross A., to The Pillsbury Co. Method and apparatus for producing a container part. 2,885,932, 5-12-59, Cl. 93-37.
- Easter, William M., Jr.: See—  
Carpenter, Marion S., and Easter. 2,875,131.  
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Carpenter, Marion S., Easter, and Wood. 2,915,561.
- Eastern Engraving and Machine Co., Inc.: See—  
Broderick, Frank W., and Morgan. 2,887,042.
- Eastern Industries, Inc.: See—  
Barker, John L. 2,883,644.  
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- Eastern Malleable Iron Co., The: See—  
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- Eastern Precision Resistor Corp.: See—  
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- Eastern Power Devices Ltd.: See—  
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- Eastern Products Corp.: See—  
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- Eastern Rotorcraft Corp.: See—  
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- Eastern Venetian Blind Co., The: See—  
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- Easterwood, Ralph W.: See—  
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- Eastman, Du Bois: See—  
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- Eastman, du Bois, to The Texas Co. Process for the gasification of solid fuels. 2,871,114, 1-27-59, Cl. 48-206.
- Eastman, du Bois, to The Texas Co. Method for manufacturing paint. 2,885,298, 5-5-59, Cl. 106-309.
- Eastman, Du Bois, to Texaco Inc. Manufacture of carbon black from liquid hydrocarbons. 2,914,418, 11-24-59, Cl. 106-307.
- Eastman, du Bois, to Texaco, Inc. Method for production of carbon monoxide and hydrogen. 2,892,693, 6-30-59, Cl. 48-196.
- Eastman, du Bois, and W. G. Schlinger, to The Texas Co. Separation of carbon dioxide from gaseous mixtures. 2,870,868, 1-27-59, Cl. 183-115.
- Eastman, du Bois, and F. E. Gupitll, Jr., to The Texas Co. Method of and apparatus for grinding solid materials by fluid energy. 2,885,154, 5-5-59, Cl. 241-5.
- Eastman, James M.: See—  
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- Eastman Kodak Co.: See—  
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Altman, Fred E., and Melech. 2,887,009.  
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Brannock, Kent C. 2,912,447.  
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Brimer, Marshall R. 2,908,558.  
Brokaw, George Y. 2,879,281.  
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Brooker, Leslie G. S., and Heseltine. 2,882,158.  
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Bush, Walter M., Salminen, and Thirle. 2,908,573.  
Bushnell, Clifford B., and Lawson. 2,917,252.  
Caldwell, John R., and Gilkey. 2,882,957.  
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Caldwell, John R., and Hill. 2,899,412.  
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Caldwell, John R., and Martin. 2,879,260.  
Caldwell, John R., and Martin. 2,882,294.  
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Calliear, Thomas E., and O'Brien. 2,895,827.  
Carroll, Burt H., and Jones. 2,875,058.  
Cash, George O., Jr. 2,912,424.  
Cathcart, John A. 2,917,094.  
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Candle, Howard P., McGrath, and Thieser. 2,911,884.  
Chandler, Jasper S. 2,869,381.  
Clark, Geoffrey, and Nagel. 2,878,737.  
Clemens, Milton L., Jr. 2,870,199.  
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Coner, Charles H., and Rungay. 2,870,055.  
Coover, Harry W., Jr. 2,879,253.  
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Creveling, Thomas V., Haag, and Abbott. 2,899,334.  
Cundall, Lincoln A., and Blaisdell. 2,904,334.  
Cushman, John R. 2,874,991.  
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 Ewald, William P. 2,898,806.  
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 Fairbanks, Henry N. 2,878,952.  
 Fairbanks, Henry N. 2,891,690.  
 Fitch, Harold L. 2,874,673.  
 Flint, Edward F. 2,912,494.  
 Glandon, Adrian E. 2,896,121.  
 Godowsky, Leopold, and Duane. 2,870,012.  
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 Guillet, James E., and Coover. 2,870,131.  
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 Haas, John W. 2,917,687.  
 Hagemeyer, Hugh J., Jr., and Edwards. 2,899,413.  
 Hagemeyer, Hugh J., Jr., and Edwards. 2,908,669.  
 Hagemeyer, Hugh J., Jr., and Edwards. 2,908,670.  
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 Halst, Grant M., and King. 2,875,048.  
 Hall, Vincent C. 2,895,006.  
 Hammar, Gustaf W., and Bennett. 2,917,413.  
 Harter, Paul G., and Staudt. 2,916,978.  
 Hasek, Robert H., and Hardwicke. 2,912,439.  
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 Hayden, James F. 2,889,123.  
 Head, William I. 2,884,756.  
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 Herzberger, Maximilian J. 2,878,723.  
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 Hodges, Howard T. 2,878,740.  
 Horton, William P. 2,899,553.  
 Hull, David C., and Schrader. 2,918,701.  
 Humphlett, Wilbert J., and Wilson. 2,875,195.  
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 Hunt, Clayton E., Jr. 2,908,755.  
 Hunt, Clayton E., Jr. 2,908,756.  
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 Hunter, Clarence S. 2,870,168.  
 Jarvis, James G. 2,869,461.  
 Jeffreys, Roy A. 2,870,013.  
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 Johnson, Nancy H., and Coney. 2,887,397.  
 Jones, Jean E., and Spence. 2,912,329.  
 Jungjohann, Vernon H. 2,916,965.  
 Kascher, Henry M. 2,908,041.  
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 Kridel, Donald J. 2,875,049.  
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 Lappin, Gerald R., and Newland. 2,887,466.  
 Lehman, Robert W. 2,895,878.  
 Malin, Carl J., and Crane. 2,899,423.  
 Martin, James C., and Hawk. 2,887,512.  
 Martin, William A. 2,869,445.  
 Marvin, Edgar S., and O'Brien. 2,874,624.  
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 Maurer, Richard E. 2,912,325.  
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 McCall, Marvin A., and Coover. 2,908,707.  
 McCall, Marvin A., and McConnell. 2,895,984.  
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 McConnell, Richard L. 2,916,508.  
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 McConnell, Richard L., and Coover. 2,875,232.  
 McConnell, Richard L., and Coover. 2,912,450.  
 McConnell, Richard L., and Shearer. 2,882,278.  
 McCrossen, Fred C., Vittum, and Weissberger. 2,875,057.  
 Merriman, William E. 2,908,807.  
 Michatek, Chester W., and Malone. 2,892,073.  
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 Milton, Kirby M. 2,904,434.  
 Minsk, Louis M. 2,875,053.  
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 Mitchell, John D., and Kamp. 2,911,849.  
 Morrison, Charles A. 2,898,803.  
 Nerwin, Hubert, and Harvey. 2,869,748.  
 Perry, Milton A., and Debuck. 2,870,214.  
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 Piper, Douglas E. 2,886,437.  
 Pollock, John S. 2,891,443.  
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 Robertson, Earl M., and Van Allan. 2,870,011.  
 Robeson, Charles D., and Chechak. 2,904,593.  
 Robinson, Herbert T., and Jungjohann. 2,919,021.  
 Rogers, William J. 2,895,841.  
 Roman, Pierre A. 2,908,571.  
 Rotondo, Richard J., and Streiffert. 2,885,936.  
 Rouse, Benjamin P., Jr., and Hill. 2,899,316.  
 Salminen, Ilmari F., Barr, and Loria. 2,895,826.  
 Shearer, Newton H., Jr., and Coover. 2,887,471.  
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 Spath, Catherine M. 2,899,306.  
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 Starck, Clemens B. 2,872,318.  
 Staudt, Erwin E. 2,908,198.  
 Stern, Max H., and Hawks. 2,870,176.  
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 Stolber, Joseph. 2,911,895.  
 Straley, James M., and Fisher. 2,868,774.  
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 Straley, James M., and Hedberg. 2,895,967.  
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 Sugarman, Meyer L., Jr. 2,917,403.  
 Sweet, Sterling S., and Van Horn. 2,899,348.  
 Tamblyn, John W., and Coover. 2,912,411.  
 Taylor, Joseph B. 2,903,964.  
 Thompson, Crayton B., and Lyons. 2,882,157.  
 Thompson, John W. 2,887,369.  
 Thompson, John W., and McConnell. 2,882,136.  
 Thompson, Russell G. 2,892,030.  
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 Touey, George P. 2,881,769.  
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 Tupis, Carolyn K. 2,887,376.  
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 Van Allan, James A. 2,891,862.  
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 Volberg, Frank M., and Collins. 2,891,946.  
 Wangerlin, Elmer O., and Schoonmaker. 2,912,899.  
 Webster, Frank G., Heseltine, and Brooker. 2,887,480.  
 Whitbourne, Richard J. 2,891,849.  
 Williams, Jack L. R. 2,908,667.  
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 Williams, Leslie A. 2,887,378.  
 Williams, Robert F., Jr., and Lowe. 2,899,315.  
 Wittel, Otto. 2,881,657.  
 Wooten, Willis C., Jr., and Shields. 2,879,256.  
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## Eastman Machine Co.: See—

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## Eastman Oil Well Survey Co.: See—

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Eastman, Willard B., and P. F. Catalano, to Continental Can Co., Inc. Method of and apparatus for applying bonding solder to can body side seams. 2,900,944, 8-25-59, Cl. 113-60.

Easton, Bernard K., N. Weinberg, and A. P. Shutta, to Food Machinery and Chemical Corp. Peracetic acid treatment of vulcanized rubber. 2,873,213, 2-10-59, Cl. 117-118.

Easton, Bernard K., and N. Weinberg, to Food Machinery and Chemical Corp. Process of bleaching specialty hair fibers with hydrogen peroxide solutions. 2,875,018, 2-24-59, Cl. 8-111.

Easton, Clarence I., and J. R. McClelland. Pre-oiling device for engines. 2,867,203, 1-6-59, Cl. 123-196.

Easton, Fred H.: See—  
 Helmer, Norman D., and Easton. 2,869,541.  
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Easton, Herbert W. Fixture for handling lathe chucks. 2,878,703, 3-24-59, Cl. 82-34.

Easton, Rufus, to Koppers Co., Inc. Method of casting metals. 2,882,571, 4-21-59, Cl. 22-200.1.

Eastwood, Clinton: See—  
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Eaton, Frederic N. Joint for connecting sections of torpedoes or other cylindrical vessels. 2,877,732, 3-17-59, Cl. 114-22.

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Eaton, John C. Chain-type debarking falls cushioned by rubber plates coaxially mounted on a rotor shaft. 2,901,011, 8-25-59, Cl. 144-208.

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Eaton, Lawrence V., and J. A. Kane, to Colony Foods Products, Inc. Bag lining and cutting machine. 2,893,294, 7-7-59, Cl. 93-8.

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Gill, Andrew S., Jr. 2,870,888.

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Eaton, Roland D.: See—  
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Eaton, Russell B., to E. I. du Pont de Nemours and Co. Method of preparing refractory metals. 2,891,857, 6-23-59, Cl. 75-84.5.

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Eaves, Augustus J., to United States of America, Navy. Facsimile device. 2,872,276, 2-3-59, Cl. 346-101.

Eaves, James C. Dial setting mechanism. 2,892,304, 6-30-59, Cl. 58-80.

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Eaves, William C. Heating or deicing unit for glazed windows. 2,869,166, 1-20-59, Cl. 15-250.5.

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Ebbage, Donald L.: See—  
 Grelner, Leroy J., and Ebbage. 2,873,437.

Ebbinghouse, John A., to American Rock Wool Corp. Fiberizing steam ring. 2,869,173, 1-20-59, Cl. 18-25.

Ebel, Lawrence C., and R. G. D'Ascoli, to Anaconda Wire and Cable Co. Jacketed sheathed power cable. 2,881,243, 4-7-59, Cl. 174-107.

Ebel, Lawrence C., and R. G. D'Ascoli, to Anaconda Wire and Cable Co. Shielded polyethylene insulated electric conductor. 2,913,515, 11-17-59, Cl. 174-102.

Ebeling, Wolfgang. Boring of large bores using an elongated guide means in a previously bored guide passageway. 2,903,252, 9-8-59, Cl. 262-7.

Ebenauer, Hermann & Co.: See—  
 Reissmuller, Ernst. 2,867,075.

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Eber, Hans, and P. Ruf, to Lytax-Werke G.m.b.H. Light projecting arrangement for projectors. 2,894,428, 7-14-59, Cl. 88-24.

Eber, Hans, and P. Ruf, to Lytax-Werke G.m.b.H. Camera for photographing the inner surface of a hollow body. 2,894,436, 7-14-59, Cl. 95-11.

Eberbaugh, Robert M. Disposable razor with reinforced head. 2,871,560, 2-3-59, Cl. 30-47.

Eberhardt, Charles M.: See—  
 Thomson, Robert F., Amala, and Eberhardt. 2,873,493.

Eberhardt Co., Inc. The: See—  
 Eberhardt, Daniel A. 2,902,194.

Eberhardt, Daniel A., to The Eberhardt Co., Inc. Garment hanger. 2,902,194, 9-1-59, Cl. 223-95.

Eberhardt, Edward H., to International Telephone and Telegraph Corp. Secondary emission measurement. 2,882,486, 4-14-59, Cl. 324-26.

Eberhardt, Edward H., to International Telephone and Telegraph Corp. Ion gauge. 2,913,630, 11-17-59, Cl. 315-108.

Eberhardt, Howard, to ACF Industries, Inc. Fuel supply. 2,905,455, 9-22-59, Cl. 261-36.

Eberhardt, James E.: See—  
 Cook, Forrest W., and Eberhardt. 2,882,027.

Kelley, James H., and Eberhardt. 2,891,609.

Eberhardt, John E., to Bethlehem Steel Co. Blast furnace tuyere. 2,891,783, 6-23-59, Cl. 266-41.

Eberhart, Arthur H., to Westinghouse Electric Corp. Air conditioning apparatus. 2,885,142, 5-5-59, Cl. 230-117.

Eberhart, Arthur H., to Westinghouse Electric Corp. Condensate disposal arrangement for air conditioning units. 2,896,860, 7-28-59, Cl. 239-220.

Eberiel, Herman J.: See—  
 Sirles, John P., May, and Eberiel. 2,870,938.

Eberiel, Herman J., and F. T. May, to Westinghouse Electric Corp. Lamp fabrication. 2,896,306, 7-28-59, Cl. 29-25.11.

Eberl, Walter: See—  
 Wild, Walter, and Eberl. 2,894,226.

Eberline, William C.: Governor for internal combustion engine. 2,889,850, 6-9-59, Cl. 137-514.5.

Eberly, Harry C., to Sperry Rand Corp. Hay balers. 2,910,931, 11-3-59, Cl. 100-1.

Eberly, John H., to Sperry Rand Corp. Coupling. 2,885,232, 5-5-59, Cl. 287-53.

Eberly, Kenneth C., to The Firestone Tire & Rubber Co. Catalytic dehydrochlorination of 1,2-dichloroethane. 2,875,255, 2-24-59, Cl. 260-656.

Ebers, Jewell J., and S. L. Miller, to Bell Telephone Laboratories, Inc. Semiconductor switch and negative resistance. 2,915,647, 12-1-59, Cl. 307-88.5.

Ebershoff, Kenneth L.: See—  
 Finehour, Lyman J., Ebershoff, and Overman. 2,868,026.

Ebersole, Elbert H. Attachable eye shade. 2,891,251, 6-23-59, Cl. 2-13.

Ebersole, Robert A., to Chisholm, Boyd & White Co. Press. 2,870,514, 1-27-59, Cl. 25-90.

Ebersold, Robert C., to The Warner & Swasey Co. Multi-pressure relief valve. 2,890,715, 6-16-59, Cl. 137-494.

Ebert, Carl E.: See—  
 Phillips, John P., and Ebert. 2,911,519.

Ebert, Edward A. Bait container. 2,899,103, 8-11-59, Cl. 220-94.

Ebert, Heinrich. Infinitely variable step-down transmission. 2,882,743, 4-21-59, Cl. 74-472.

Ebert, Heinrich. Hydrostatic piston engine. 2,875,701, 3-3-59, Cl. 103-162.

Ebert, Heinrich. Hydrodynamic torque converter. 2,902,938, 9-8-59, Cl. 103-87.

Ebert, Heinrich. Control for hydraulic transmissions. 2,905,150, 9-22-59, Cl. 121-38.

Ebert, Max: See—  
 Selzer, Clarence F., Colburn, and Ebert. 2,904,160.

Ebert, Max E.: See—  
 Schoenster, Peter J., and Ebert. 2,907,195.

Ebert, Max E. Universal vise. 2,881,667, 4-14-59, Cl. 90-59.



Eary, Charles A., to Societe Commerciale Eca. Device for indicating the true vertical. 2,893,248, 7-7-59, Cl. 74-5.34.

Eccher, Oreste B., to Potdevin Machine Co. Laminating machine. 2,894,559, 7-14-59, Cl. 154-1.6.

Eccles, Edwin J., Jr.: See—  
Weaver, Leo J., and Eccles. 2,880,235.

Eccles, Marion A.: See—  
Murray, James V., Jr., Fales, and Eccles. 2,913,397.

Echegut, Adrienne: See—  
Bauchart, Adrienne. 2,909,091.

Echolds, E. Frank, to United States of America, Navy. Inside-out gyroscope. 2,916,919, 12-15-59, Cl. 74-5.46.

Echolds, E. Frank, and P. L. Brink. Eddy-current force systems for constrained gyroscopes. 2,900,825, 8-25-59, Cl. 74-5.46.

Echols, Guy H. Exerciser. 2,906,532, 9-29-59, Cl. 272-57.

Eck, Bruno, Fana. 2,914,243, 11-24-59, Cl. 230-125.

Eck, Emil N.: See—  
Mistarz, Robert J., and Eck. 2,913,063.

Eck, George H. Listening device. 2,898,405, 8-4-59, Cl. 179-1.

Eck, Robert N., to Cutler-Hammer, Inc. Dial selector switching system for plural motor control. 2,883,597, 4-21-59, Cl. 318-103.

Eck, Robert N., and V. H. Simson, to Cutler-Hammer, Inc. Electric controllers for machines. 2,870,392, 1-20-59, Cl. 318-470.

Eckardt, Johannes: See—  
Eckardt, Kurt and J. 2,875,860.

Eckardt, Kurt and J. Automatic brake shoe resetting mechanism for motor vehicles and trailers. 2,875,860, 3-3-59, Cl. 188-79.5.

Eckart, Robert H., and E. D. Baxley. Electrically operated beautician's chair. 2,886,096, 5-12-59, Cl. 155-25.

Eckdahl, Donald E.: See—  
Sprague, Richard E., and Eckdahl. 2,886,243.

Ecke, George G.: See—  
Closson, Rex D., Ecke, and Buzbee. 2,880,066.  
Closson, Rex D., Ecke, and Buzbee. 2,880,067.

Ecke, George G., and L. R. Buzbee, to Ethyl Corp. Chemical process. 2,892,857, 6-30-59, Cl. 260-438.

Eckel, John E., and J. M. Camp, to Jersey Production Research Co. Seismic shock source. 2,895,084, 8-4-59, Cl. 255-1.

Eckel, Oliver C. Assembly of members with connectors held from outside. 2,889,017, 6-2-59, Cl. 189-34.

Eckel, Oliver C. Holding member for insulating clips. 2,900,102, 8-18-59, Cl. 200-9.

Eckelman, Paul F.: See—  
Bruce, George D., and Eckelman. 2,868,455.

Eckels, George H.: See—  
Troche, Herman J., and Eckels. 2,919,035.

Eckels, Thomas C., and C. Jellison. Reel clutch. 2,904,280, 9-15-59, Cl. 242-74.

Eckels, Warren H., to Hercules Powder Co. Plastic explosive compositions. 2,902,355, 9-1-59, Cl. 52-11.

Ecker, Fred C. Anti-skid mechanism. 2,900,002, 8-18-59, Cl. 152-216.

Ecker, Howard W. Balances. 2,919,124, 12-29-59, Cl. 265-54.

Ecker, Murry F., to Dresser Industries, Inc. Pump base. 2,916,233, 12-8-59, Cl. 248-19.

Ecker, Ruprecht: See—  
Rosahl, Dietrich, Graulich, Holzrichter, and Ecker. 2,916,471.

Eckert, John P., Jr.: See—  
Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,901,734.

Eckert, John P., Jr., to Sperry Rand Corp. Pulse stretching amplifiers. 2,876,440, 3-3-59, Cl. 340-174.

Eckert, John P., Jr., to Sperry Rand Corp. Impulse responsive network. 2,884,521, 4-28-59, Cl. 250-27.

Eckert, John P., Jr., to Sperry Rand Corp. Single ended carrier type magnetic amplifier bistable device. 2,901,733, 8-25-59, Cl. 340-174.

Eckert, John P., Jr., to Sperry Rand Corp. Shifting register with inductive intermediate storage. 2,907,006, 9-29-59, Cl. 340-174.

Eckert, John P., Jr., to Sperry Rand Corp. Delay flop. 2,907,893, 10-6-59, Cl. 307-88.

Eckert, John P., Jr., to Sperry Rand Corp. Quarter adder. 2,913,594, 11-17-59, Cl. 307-88.

Eckert, John P., Jr., and T. H. Bonn, to Sperry Rand Corp. Signal translating device. 2,892,998, 6-30-59, Cl. 340-174.

Eckert, John P., Jr., and A. Blain, to Sperry Rand Corp. Protective apparatus for magnetic recording and sensing head. 2,905,767, 9-22-59, Cl. 179-100.2.

Eckert, Lewis W.: See—  
Dunn, Lewis R., and Eckert. 2,875,044.

Eckert, Lewis W., to Armstrong Cork Co. Method of drying water-laid fibrous materials. 2,874,617, 2-24-59, Cl. 92-40.

Eckert, Lewis W., to Armstrong Cork Co. Method of fabricating a sound-absorbing unit from cellulose material. 2,874,796, 2-24-59, Cl. 181-33.

Eckert, Oskar, to Steatit-Magnesia Akt. Method for improving the magnetic properties of ferrite with a rectangular-shaped hysteresis loop. 2,877,183, 3-10-59, Cl. 252-62.5.

Eckert, Raymond H.: See—  
Baldwin, Robert P., Jennings, and Eckert. 2,892,599.

Eckert, Theodore. Golf clubs. 2,892,633, 6-30-59, Cl. 273-162.

Eckert, Wilhelm, and H. Remy, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. New dyestuff of the perylene tetracarboxylic acid series. 2,890,220, 6-9-59, Cl. 260-281.

Eckert, Wilhelm, and H. Remy, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. New dyestuff of the perylene tetracarboxylic acid series. 2,903,683, 9-22-59, Cl. 260-281.

Eckert, Wilhelm, and H. Remy, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. New dyestuff of the perylene tetracarboxylic acid series. 2,903,686, 9-22-59, Cl. 260-281.

Eckess, William S., K. I. Sherman, and J. E. Deavenport, to The Emerson Electric Mfg. Co. Telescopic voltage amplifier. 2,888,525, 5-26-59, Cl. 179-171.

Eckey, Eddy W. Method for continuous multistage counter-current contacting of liquids with vapors. 2,871,250, 1-27-59, Cl. 260-428.5.

Eckfeldt, Edgar L., to Leeds and Northrup Co. Method of determining concentration of dissolved substance. 2,886,496, 5-12-59, Cl. 204-1.

Eckfeldt, Edgar L., and E. R. Kuczynski, to Leeds and Northrup Co. Conductivity cells. 2,888,640, 5-26-59, Cl. 324-30.

Eckhardt, Heinz, G. Kelcher, and G. von Rosenberg, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Wax preparations containing antioxidantizing agents. 2,871,136, 1-27-59, Cl. 106-270.

Eckhardt, Homer D.: See—  
Hemstreet, Harold S., and Eckhardt. 2,868,450.

Eckhardt, Homer D., to Minneapolis-Honeywell Regulator Co. Control apparatus for aircraft and means for varying the limits of its gain control. 2,872,134, 2-3-59, Cl. 244-77.

Eckles, William J., to Morton Salt Co. Dispensing apparatus. 2,873,894, 2-17-59, Cl. 222-480.

Eckles, William J. Dispensing apparatus. 2,903,167, 9-8-59, Cl. 222-480.

Eckman, Donald P., to The Warner & Swasey Co. Control system for fluid operated power device. 2,872,934, 2-10-59, Cl. 137-85.

Eckman, Harry A., to Crane Co. Process of silicizing. 2,897,093, 7-28-59, Cl. 117-53.

Eckman, Irving: See—  
Huxley, Thomas C., III, and Eckman. 2,899,953.

Eckold, Walter. Apparatus for deforming sheets or profiles. 2,867,141, 1-6-59, Cl. 78-61.

Eckold, Walter. High-speed mechanism for hand-controlled sheet metal working machinery. 2,911,862, 11-10-59, Cl. 78-61.

Eckold, Walter. Tool clamps. 2,912,249, 11-10-59, Cl. 279-1.

Eckstein, Arthur, and B. Stone. Apparatus for the control and analysis of color printing. 2,891,323, 6-23-59, Cl. 35-28.3.

Eckstein, Ernest E. Automatic tongs. 2,893,778, 7-7-59, Cl. 294-110.

Eckstein, Morris. Carton flap clamp. 2,894,308, 7-14-59, Cl. 24-259.

Eckstrom, Hartley C., C. G. Frye, H. L. Pickering, and E. L. Tolleson, to Pan American Petroleum Corp. Method for determining gas-catalyst contacting efficiency. 2,918,353, 12-22-59, Cl. 23-230.

Eclipse Counterbore Co.: See—  
Babbitt, Seth M. 2,889,669.

Eclipse Fuel Engineering Co.: See—  
Anderson, Gerald L., and Margason. 2,903,005.  
Campbell, Donald A., and Anderson. 2,885,224.  
Campbell, Donald A., and Margason. 2,905,193.  
Stadler, Albert. 2,877,838.

Economics Laboratory, Inc.: See—  
Miller, Carl A. 2,912,002.  
Miller, Carl A. 2,916,998.

Economou, Louis: See—  
Koce, Jime. 2,889,002.

Economou, Thanos: See—  
Koce, Jime. 2,889,002.  
Koce, Jime. 2,911,926.

Economy Forms Corp.: See—  
Jennings, William A. 2,870,516.  
Jennings, William A. 2,876,813.

Economy Pest Control: See—  
Hillwick, Stanley L., and Cooper. 2,898,008.

Eeremuses Melotte, Societe Anonyme: See—  
Dujardin, Albert J. A. J. 2,880,876.

Edell Instruments Inc.: See—  
Pitzer, Edmund W. 2,908,881.  
Pitzer, Edmund W. 2,909,750.  
Rehnberg, Edward H., and Sayre. 2,901,718.

Eddison, William B., to Gisholt Machine Co. Seal opening and transferring mechanism. 2,903,156, 9-8-59, Cl. 221-211.

Eddison, William B., to Oscar Mayer & Co., Inc. Smoke generator. 2,914,059, 11-24-59, Cl. 126-59.5.

Eddison, William B., and W. E. Erickson, to Gisholt Machine Co. Seal applying mechanism. 2,890,558, 6-16-59, Cl. 53-292.

Eddison, William B., and W. E. Erickson, to Gisholt Machine Co. Metering mechanism. 2,909,017, 10-20-59, Cl. 53-71.

Eddleblute, Carl L. Control system. 2,876,450, 3-10-59, Cl. 1-16.

Edds, Richard V.: See—  
Atkins, Don C., Jr., and Edds. 2,888,335.

Eddy, Glen M. Auxiliary tread for dual wheels. 2,898,965, 8-11-59, Cl. 152-175.

Eddy, James W.: See—  
Clark, William J., and Eddy. 2,871,505.

Eddy, Thomas A., and L. E. Hoyer, to American Brake Shoe Co. Lubricators. 2,898,161, 8-4-59, Cl. 308-88.

Eddy, William C., to Television Associates, Inc. Electrical socket connector. 2,912,668, 11-10-59, Cl. 339-182.

Eddy, William C., and W. C. Jr., to Television Associates, Inc. Control mechanism for an engine. 2,916,116, 12-8-59, Cl. 192-3.

Eddy, William C., Jr.: See—  
Eddy, William C., and W. C. Jr. 2,916,116.

Eddy, William C., Jr., to Television Associates, Inc. Overload control. 2,918,999, 12-29-59, Cl. 192-02.

Eddy, William R.: See—  
Cooper, Wayne E., and Eddy. 2,878,949.

Eddy, William R., and D. L. McKay, to Phillips Petroleum Co. Process and apparatus for purification of crystals. 2,890,962, 6-16-59, Cl. 99-205.

Edel, Walter L. Absorber. 2,911,056, 11-3-59, Cl. 183-2.

Edelmann Gesellschaft m.b.H.: See—  
Franz, Hermann, Langner, and Westerhoff. 2,872,409.  
Hoppe, Alfred, and Franz. 2,889,260.  
Hoppe, Alfred, and Franz. 2,907,708.  
Hoppe, Alfred, Franz, Mellies, and Gutberlet. 2,917,447.

Edelen, James G., Sr. Hollow contractile and expansible pin with semiclosed ends. 2,874,388, 2-24-59, Cl. 5-303.

Edelen, James L., to ACF Industries, Inc. Shaft end mounting for sealing and loop forming a pump diaphragm. 2,904,876, 9-22-59, Cl. 29-156.4.

Edelen, James L., to ACF Industries, Inc. Method of manufacture of a needle valve and seat assembly. 2,904,877, 9-22-59, Cl. 29-157.1.

Edelen, James L., to ACF Industries, Inc. Magnetic filter. 2,914,178, 11-24-59, Cl. 210-222.

Edelman, Abraham. Door operating mechanism. 2,895,728, 7-21-59, Cl. 268-47.

Edelman, Leonard E., to Westinghouse Electric Corp. Product of reaction of fatty acids, C=C aromatics and epoxide resins. 2,909,497, 10-20-59, Cl. 260-23.

Edelmann, Sylvester G., to United States Steel Corp. Latching mechanism for ladle cars. 2,887,962, 5-26-59, Cl. 105-264.

Edelson, Leon: See—  
Stillwell, Winfred N. 2,890,512.

Edelstein, Albert L.: See—  
Mahon, Thomas J., and Edelstein. 2,895,650.  
Mahon, Thomas J., and Edelstein. 2,895,651.

Edelstein, Arthur. Lighting apparatus for photography. 2,913,569, 11-17-59, Cl. 240-1.3.

Edelstein, Marie. Pressure relieving insoles. 2,909,854, 10-27-59, Cl. 36-8.5.

Edelstone, Sigmund E., to Dupli-Color Products Co., Inc. Magnetic fountain applicator. 2,866,993, 1-6-59, Cl. 15-139.

Eden, Carsten, to Jenaer Glaswerk Schott & Gen. Process for purifying glass. 2,877,280, 3-10-59, Cl. 13-6.

Eden, Jamal S., to Diamond Alkali Co. 1,3-tetrahydro oxazine as a herbicide. 2,911,294, 11-3-59, Cl. 71-2.5.

Eden, William P. Hose winder. 2,869,800, 1-20-59, Cl. 242-86.

Eden, William P., 25% to Marathon Corp. of Canada Ltd. Loading and unloading racks. 2,874,858, 2-24-59, Cl. 214-38.

Eder, Adolf, to Etablissement EPOK. Food can with immersion heater. 2,896,607, 7-28-59, Cl. 126-262.

Eder, Adolf, to Etablissement EPOK. Immersion heater. 2,896,608, 7-28-59, Cl. 126-262.

Eder, George L., to B. J. and F. M. Carroll. Cabinet with folding bed structure. 2,869,143, 1-20-59, Cl. 5-2.

Eder, Virgil K.: See—  
Anderson, Charles C., Eder, Zimmerman, Heath, and McLaughlin. 2,898,442.

Edes, Frank: See—  
Merion, Abraham L. 2,917,956.

Edgar, Donald J.: See—  
Bley, Rudolph S., Carter, Edgar, Graybeal, and Schmidt. 2,898,627.

Edgar, John A.: See—  
Armstrong, Jack W., and Edgar. 2,890,171.

Edgar, William L., to H. H. Robertson Co. Cellular steel floor. 2,910,152, 10-27-59, Cl. 189-34.

Edgar, William S. W., Jr., to Western Union Telegraph Co. Dial facsimile system. 2,902,538, 9-1-59, Cl. 178-2.

Edgerton, Frank R., to General Dynamics Corp. Solderless terminal block for wire banks. 2,904,770, 9-15-59, Cl. 339-60.

Edgerton, Frank R., to General Dynamics Corp. Electromagnetic coil assembly. 2,913,640, 11-17-59, Cl. 317-158.

Edge, Dexter, Jr.: See—  
Osborne, Wesley M., Edge, and Johnston. 2,889,199.

Edge, Stanley H., and F. L. Beet, to Clayton Dewandre Co. Ltd. Servo braking apparatus. 2,878,646, 3-24-59, Cl. 60-54.6.

Edgecombe, David A.: See—  
Capron, Adin B., Edgecombe, and Evans. 2,908,384.

Edgemond, John W., Jr., to Yuba Power Products, Inc. Blade anchorage means for molding head. 2,896,678, 7-28-59, Cl. 144-235.

Edgemond, John W., Jr., and W. C. Grosjean, to Yuba Consolidated Industries, Inc. Blade tracking and guiding mechanism for band saw construction. 2,903,027, 9-8-59, Cl. 143-27.

Edgerley, Peter G.: See—  
Balfie, Bernard J., and Edgerley. 2,883,355.

Edgerly, Charles R.: See—  
Rokosz, Ferdinand, and Edgerly. 2,908,249.

Edgerton, Germeshausen & Grier, Inc.: See—  
Goldberg, Seymour. 2,919,372.  
Goldberg, Seymour, and Goon. 2,919,368.  
Riley, Daniel F., and Goldberg. 2,919,373.

Edgerton, Harold E. Underwater flash producing system. 2,872,622, 2-3-59, Cl. 315-157.

Edgerton, Harold E. Liquid cooled flash-producing apparatus. 2,877,341, 3-10-59, Cl. 240-11.4.

Edgerton, Harold E. Microscope flash-photography system and apparatus. 2,893,289, 7-7-59, Cl. 88-40.

Edgerton, Harold E. Flash tube and apparatus. 2,919,369, 12-29-59, Cl. 313-185.

Edgerton, Harold E. Flash apparatus and method. 2,919,383, 12-29-59, Cl. 315-241.

Edgerton, Roy G. Speed control attachment. 2,914,960, 12-1-59, Cl. 74-526.

Edgerton, William H., to Parke, Davis & Co. Therapeutically valuable esters and method for obtaining the same. 2,876,240, 3-3-59, Cl. 260-404.5.

Edgerton, William H., to Smith Kline & French Laboratories. Beta-thianaphthenylalkyl hydrazines and intermediates. 2,916,493, 12-8-59, Cl. 260-307.

Edison, Sam. Window screen. 2,905,238, 9-22-59, Cl. 160-328.

Edison, Willard O.: See—  
Kilian, Stanley C., and Edison. 2,872,218.

Edlin, Frank E., to E. I. du Pont de Nemours and Co. Production of refractory metals. 2,904,427, 9-15-59, Cl. 75-84.

Edlinger, Anton: See—  
Christoffel, Martin, and Edlinger. 2,874,359.

Edlo, Inc.: See—  
Fahrenbach, Wolfgang B. 2,882,657.  
Fahrenbach, Wolfgang B. 2,912,808.

Edman, John H., to Deere & Co. Fluid pressure control valve. 2,876,797, 3-10-59, Cl. 137-622.

Edman, John H., and E. F. Jirsa, to Deere & Co. Adjustable link. 2,878,043, 3-17-59, Cl. 287-60.

Edman, John H., to Deere & Co. Multiple-function implement control system for agricultural tractor. 2,900,030, 8-18-59, Cl. 172-9.

Edman, Louis S., to American Optical Co. Display devices. 2,901,122, 8-25-59, Cl. 211-134.

Edmonds Co.: See—  
Blaisdell, Sidney B. 2,877,620.

Edminster, James W., C. B. Beck, and G. F. Friauf, to Godfrey L. Cabot, Inc. Process for the production of carbon black. 2,917,370, 12-15-59, Cl. 23-209.4.

Edmonds, Byron P. Car advancing and retarding apparatus. 2,900,922, 8-25-59, Cl. 104-162.

Edmonds, Harvey A., and W. S. Gilbert, to Structural Clay Products Research Foundation. Pallet conveying apparatus. 2,868,349, 1-13-59, Cl. 198-21.

Edmonds, Harvey A., C. E. Evanson, and W. S. Gilbert, to Structural Clay Products Research Foundation. Conveyor system. 2,918,161, 12-22-59, Cl. 198-32.

Edmonds, James T., Jr.: See—  
Hillyer, John C., and Edmonds. 2,898,347.

Edmonds, James T., Jr., to Phillips Petroleum Co. Catalytic polymerization of diolefins using phosphorus pentoxide and product obtained. 2,913,443, 11-17-59, Cl. 260-94.2.

Edmonds, Lee O.: See—  
Hillyer, John C., and Edmonds. 2,886,556.

Edmonds, Lee O., to Phillips Petroleum Co. Rubber plasticized with a condensation product of alkene oxides and hydroxylated polymers of conjugated dienes, vulcanizates thereof, and method of making. 2,890,191, 6-9-59, Cl. 260-30.4.

Edmondson, William, and W. Jones, to Cyprane Ltd. Volatile anaesthetic vaporizing apparatus. 2,915,061, 12-1-59, Cl. 128-188.

Edmonson, Glenn V., to G. E. Nelson. Fluid coupling. 2,878,645, 3-24-59, Cl. 60-54.

Edmonston, Woolford L., to W. E. McBride. Constant mass liquid dispensing control. Re. 24,595, 1-27-59, Cl. 119-81.

Edmont Mfg. Co.: See—  
Wisnburg, Ralph D. 2,913,729.

Edmund, John R., to Westinghouse Air Brake Co. Rate sensitive broken pipe protection valve apparatus. 2,871,876, 2-3-59, Cl. 137-464.

Edmund, John R., to Westinghouse Air Brake Co. Fluid pressure motor device embodying piston bounce inhibiting means. 2,899,936, 8-18-59, Cl. 121-38.

Edmunds, Glenn E., to The Jeffrey Mfg. Co. Coupler releasing means. 2,891,693, 6-23-59, Cl. 213-212.

Edmunds, William H., to I-T-E Circuit Breaker Co. Safety cover for switch boards. 2,883,491, 4-21-59, Cl. 200-133.

Edmunds, William H., to I-T-E Circuit Breaker Co. Removable and replaceable current limiter housing for circuit breakers. 2,888,535, 5-26-59, Cl. 200-114.



- Edmunds, William H., to I-T-E Circuit Breaker Co. Means to position and secure current limiting fuses in a housing. 2,905,791, 9-22-59, Cl. 200-133.
- Edmunds, William H., to I-T-E Circuit Breaker Co. Panel board construction. 2,914,708, 11-24-59, Cl. 317-119.
- Edmunds, William H., and F. G. Schmidt, to I-T-E Circuit Breaker Co. Enclosure handle mechanism. 2,882,359, 4-14-59, Cl. 200-50.
- Edmundson, Warren F., to Tubelock Co. Lock for telescopic connections. 2,873,129, 2-10-59, Cl. 287-58.
- Edro Corp., The: See—  
Galinski, Roman. 2,875,602.
- Edsall, Bruce M., to General Motors Corp. Self-energizing actuator for torque-establishing devices. 2,882,757, 4-21-59, Cl. 74-801.
- Edsall, Bruce M., and V. C. Moore, to General Motors Corp. Automatic transmission. 2,903,912, 9-15-59, Cl. 74-677.
- Edsall, William S., to The Chase-Shawmut Co. Automatic circuit interrupter integrated with current-limiting fuses. 2,870,293, 1-20-59, Cl. 200-114.
- Edsall, William S., to The Chase-Shawmut Co. Combined circuit interrupters and fuses. 2,911,502, 11-3-59, Cl. 200-114.
- Edsberg, Robert L., and J. A. Ogle, to Burroughs Corp. Light responsive electrical device. 2,918,584, 12-22-59, Cl. 250-239.
- Edson, James O., to Bell Telephone Laboratories, Inc. Bistable frequency divider. 2,909,675, 10-20-59, Cl. 307-83.5.
- Edson, James O., and C. B. H. Feldman, to Bell Telephone Laboratories, Inc. Derivation of vocoder pitch signals. 2,906,955, 9-29-59, Cl. 324-77.
- Edstrom, Arthur E., 50% to C. R. Litzenger. Centrifugal grain thresher and separator. 2,880,734, 4-7-59, Cl. 130-27.
- Edstrom, Theodore: See—  
Winter, Lester L., and Edstrom. 2,884,391.
- Educational Supply Assn. Ltd., The: See—  
Cubitt, Kenneth H., and Leonard. 2,869,635.
- Edvardsson, Svante R.: See—  
Björklund, Gustaf E., and Edvardsson. 2,899,744.
- Edward Valves, Inc., The: See—  
Carr, Laurence H. 2,903,564.
- Edward, Anthony: See—  
Dahl, Lelf A., and Roberts. 2,912,924.
- Edwards, Albert, and H. Peck, to Linotype and Machinery Ltd. Printing machines and the like. 2,912,928, 11-17-59, Cl. 101-279.
- Edwards, Albert, and H. Peck, to Linotype and Machinery Ltd. Sheet-feeding apparatus. 2,909,369, 10-20-59, Cl. 271-56.
- Edwards, Allen C. Buoyant-log debarker having bark-removing and log-rotating chains driven in opposite directions. 2,878,843, 3-24-59, Cl. 144-208.
- Edwards, Alpha D. Ironing cord guide attachment for ironing boards. 2,897,616, 8-4-59, Cl. 38-104.
- Edwards, Bryant, to Illinois Tool Works. Snap-in stud with deformable plastic engaging means. 2,882,780, 4-21-59, Cl. 85-5.
- Edwards, Bryant, to Illinois Tool Works. Plastic fastening device with foldable shank. 2,887,926, 5-26-59, Cl. 85-40.
- Edwards, Bryant, to Illinois Tool Works. Cup for hot beverages. 2,905,350, 9-22-59, Cl. 215-1.
- Edwards, Bryant, to Illinois Tool Works. Aerosol valve, valve actuator therefor and aerosol dispensing nozzle. 2,912,173, 11-10-59, Cl. 239-471.
- Edwards, Chester P. Lock for refrigerator doors. 2,893,772, 7-7-59, Cl. 292-223.
- Edwards, Clifford. Garment hanger. 2,908,429, 10-13-59, Cl. 223-91.
- Edwards, Clyde H.: See—  
Webster, George J., and Edwards. 2,890,942.
- Edwards, Clyde H., and G. J. Webster, to Phillips Petroleum Co. Carbon black pellet mill recycle hose improvement. 2,878,511, 3-24-59, Cl. 18-1.
- Edwards, David B. G.: See—  
Williams, Frederic C., Kilburn, Edwards, and Thomas. 2,913,175.
- Edwards, Delbert. Straw dump spreader. 2,916,869, 12-15-59, Cl. 56-372.
- Edwards, Eric D.: See—  
Elliott, John S., and Edwards. 2,897,152.
- Edwards, Ernest C., and J. M. Bain. Portable horizontal earth drilling tool. 2,879,033, 3-24-59, Cl. 255-20.
- Edwards, Franklin W.: See—  
Schaefer, Harold W., and Edwards. 2,906,104.
- Edwards, George W., and R. J. Sevin. Mixing apparatus. 2,867,386, 1-6-59, Cl. 241-46.
- Edwards, George W., and R. J. Sevin. Grinding mills. 2,895,689, 7-21-59, Cl. 241-23.
- Edwards, George W., and R. J. Sevin. Grinding mills and gap adjustment means therefor. 2,976,958, 3-10-59, Cl. 241-256.
- Edwards High Vacuum Ltd.: See—  
Barker, Dennis W. 2,902,525.  
Holland, Leslie A. 2,886,502.  
Power, Basil D. 2,899,127.  
Power, Basil D. 2,902,206.  
Power, Basil D. 2,902,210.  
Power, Basil D. 2,919,061.
- Edwards, James W., to Monsanto Chemical Co. Method of producing phosphates. 2,916,354, 12-8-59, Cl. 23-106.
- Edwards, John F., Jr., to Bendix Aviation Corp. Multiposition pressure-actuated switch. 2,909,627, 10-20-59, Cl. 200-83.
- Edwards, John F., Jr., K. D. Schaub, and L. C. Friend, to Bendix Aviation Corp. Diaphragm-type pressure-actuated switch and method of fabricating same. 2,919,320, 12-29-59, Cl. 200-83.
- Edwards, Landon B., Jr. Storage rack. 2,894,641, 7-14-59, Cl. 211-134.
- Edwards, Lawrence J., to Callery Chemical Co. Recovery of methoxy values from NaB(OCH<sub>3</sub>)<sub>4</sub> and NaOCH<sub>3</sub>. 2,884,439, 4-28-59, Cl. 260-462.
- Edwards, Lawrence K. Combination seat and table with spring-biased table top. 2,911,272, 11-3-59, Cl. 311-35.
- Edwards, Marvin B.: See—  
Hagemeyer, Hugh J., Jr., and Edwards. 2,908,669.  
Hagemeyer, Hugh J., Jr., and Edwards. 2,908,670.  
Hagemeyer, Hugh J., Jr., and Edwards. 2,899,413.  
Hagemeyer, Hugh J., Jr., and Edwards. 2,917,500.
- Edwards, Miles L. Pump assembly. 2,872,084, 2-3-59, Cl. 222-333.
- Edwards, Miles L. Pump mountings. 2,900,112, 8-18-59, Cl. 222-180.
- Edwards, Miles L. Rotary aspirator pump. 2,911,137, 11-3-59, Cl. 230-108.
- Edwards, O. M., Co., Inc., The: See—  
Axe, Daniel E. 2,913,079.
- Edwards, Paul H.: See—  
Leaherry, Ernest F., Hendershot, and Edwards. 2,882,568.
- Edwards, Philip B., to Bayshore Industries, Inc. Decorative hollow play balls. 2,874,964, 2-24-59, Cl. 273-58.
- Edwards, Ralph A. Trailer coupling. 2,879,079, 3-24-59, Cl. 280-440.
- Edwards, Ralph J. Coin controlled cup dispenser and change maker. 2,875,924, 3-3-59, Cl. 221-298.
- Edwards, Robert A., to General Electric Co. Electronic counter and shift register. 2,900,500, 8-18-59, Cl. 250-27.
- Edwards, Roy T., and E. P. Rittershausen, to Socony Mobil Oil Co., Inc. Defoamant composition. 2,906,712, 9-29-59, Cl. 252-358.
- Edwards, Samuel H. Valve structure. 2,895,493, 7-21-59, Cl. 137-78.
- Edwards, Walter G., to The National Cash Register Co. Digital adding device. 2,874,902, 2-24-59, Cl. 235-164.
- Edwards, Walter M., I. M. Robinson, and E. N. Squire, to E. I. du Pont de Nemours and Co. Preparation of poly-pyromellitimides. 2,867,609, 1-6-59, Cl. 260-75.
- Edwards, Walter M., and I. M. Robinson, to E. I. du Pont de Nemours and Co. Diamine salts of pyromellitic acid diester. 2,880,230, 3-31-59, Cl. 260-475.
- Edwards, Walter M., and I. M. Robinson, to E. I. du Pont de Nemours and Co. Polyimide composition. 2,900,369, 8-18-59, Cl. 260-78.
- Edwards, Webster H., to E. I. du Pont de Nemours and Co. Beneficiated iron oxide pigment and coating compositions containing same. 2,917,400, 12-15-59, Cl. 106-243.
- Edwards, William J., to The Slinger Mfg. Co. Lubrication systems for sewing machines. 2,882,849, 4-21-59, Cl. 112-256.
- Edwards, William R.: See—  
Boynton, Harry G., and Edwards. 2,896,001.
- Edwards, William R., D. E. Nicholson, and G. A. Reidland, to Esso Research and Engineering Co. Analysis of gaseous mixtures. 2,875,849, 3-3-59, Cl. 183-115.
- Eells, Howard P., Jr., E. P. Pearson, and H. C. Lee, to Basic Inc. Beneficiation of magnesite ores. 2,898,194, 8-4-59, Cl. 23-201.
- Effenberger, Josef: See—  
Muller, Reinhard M. 2,904,020.
- Effen, Anton, to A. Effen, d.b.a. Globe Tool and Gauge Works. Apparatus for feeding pronged metal elements. 2,908,007, 10-13-59, Cl. 1-31.
- Efinger, Cecil S. Music typewriter. 2,904,156, 9-15-59, Cl. 197-8.
- Efand, Thomas D., to Clemson Agricultural College of South Carolina. Knitting machine. 2,906,109, 9-29-59, Cl. 66-1.
- Efroymsen, Meyer A., to Esso Research and Engineering Co. Hydroforming process with pretreatment of recycle gas. 2,882,217, 4-14-59, Cl. 208-62.
- Eftring, Karl E.: See—  
Collin, Per Harald, Eftring, and Jonsson. 2,885,317.
- Egan, Edmond F.: See—  
McKay, Alexander S., and Egan. 2,869,642.
- Egan, H. B., Mfg. Co.: See—  
Salisbury, Clifton A. 2,894,283.
- Egan, John S.: See—  
Hassler, Gerald L., Warren, and Egan. 2,909,058.
- Egan, Richard T., to Research-Cottrell, Inc. Rapping device. 2,893,511, 7-7-59, Cl. 183-7.
- Egan, Thomas R., to Midwest Mfg. Corp. Snap-on caster. 2,899,700, 8-18-59, Cl. 16-30.
- Egbert, Earl L., to General Motors Corp. Hydraulic coupling. 2,890,661, 6-16-59, Cl. 103-115.
- Egbert, Lawrence E., to H. J. Booth. Pneumatically operated identification marker. 2,883,927, 4-28-59, Cl. 101-4.
- Egbert, Robert B., to Mid-Century Corp. Process for the preparation of para-dilsoisopropylbenzene. 2,883,438, 4-21-59, Cl. 260-671.

- Egelhaaf, Hermann: See—  
Becker, Josef, Scheer, and Egelhaaf. 2,917,041.
- Egema S.A.R.L.: See—  
Ledrut, Jules H. T. 2,891,070.
- Eger, Edward F., to Western Electric Co., Inc. Article buffing apparatus and selectively operable article holders therefor. 2,886,165, 5-12-59, Cl. 198-19.
- Egerer, William E., to Holley Carburetor Co. Carburetor starter switch. 2,900,470, 8-18-59, Cl. 200-83.
- EGge, Klaus, to United States Steel Corp. Coil support for box annealing furnace. 2,878,005, 3-17-59, Cl. 263-47.
- EGge, Klaus, to United States Steel Corp. Apparatus for continuously electroplating strip. 2,910,422, 10-27-59, Cl. 204-206.
- EGge, Robert: See—  
Naftulin, Henry, and EGge. 2,901,112.  
Naftulin, Henry, and EGge. 2,914,181.
- Eggen, Raymond B. Timing device. 2,904,110, 9-15-59, Cl. 161-1.
- Eggenberger, John S.: See—  
Smith, Robert S., Eggenberger, and Scow. 2,907,680.
- Eggenberger, Markus A., to General Electric Co. Hydraulic thrust bearing wear indicator and safety device. 2,888,023, 5-20-59, Cl. 137-16.
- Eggersperger, Arlo R., and D. E. Foley, to W. F. Hogan. Information display devices. 2,871,462, 1-27-59, Cl. 340-154.
- Egger, Emilie. Container circulation arrangement. 2,887,306, 5-19-59, Cl. 259-95.
- Egger, Ernest. Vibration dampening bracket for mounting a rotating beacon light on a motorcycle. 2,919,095, 12-29-59, Cl. 248-204.
- Egger, Walter F., Jr. Burnishing head. 2,915,809, 12-8-59, Cl. 29-90.
- Eggers, Gene D. Diving board. 2,919,133, 12-29-59, Cl. 272-66.
- Eggersgluss, Eva-Marie M. H.: See—  
Schmidt, Ferdinand, and Eggersgluss. 2,868,589.
- Eggersgluss, Walter: See—  
Schmidt, Ferdinand, and Eggersgluss. 2,868,589.
- Eggert, Hans: See—  
Ruschig, Heinrich, Fugmann, Eggert, Fischer, and Lindner. 2,874,156.
- Eggert, Walter S., Jr.: See—  
Watter, Michael, and Eggert. 2,901,590.  
Watter, Michael, and Eggert. 2,908,802.  
Watter, Michael, and Eggert. 2,908,804.
- Egler, Charles, and C. M. Huddleston, to United States of America. Atomic Energy Commission. Gaseous scintillation counter. 2,884,529, 4-28-59, Cl. 250-71.
- Egli, Gerhard, to Ruti Machinery Works Ltd., formerly Casper Honegger. Variable-depth loom. 2,911,012, 11-3-59, Cl. 139-1.
- Egli, Hermann, to Saul & Co., as nominee of Fidelity Union Trust Co., Executive Trustee under Sandoz Trust. Dyeing of polyacrylonitrile articles. 2,874,021, 2-17-59, Cl. 8-35.
- Egli, Rudolf, to Interstahl Establishment. Steel alloy of great tenacity, particularly suitable for chips removing cutting tools. 2,890,113, 6-9-59, Cl. 75-126.
- Egly, John M.: See—  
Lee, Wilbur J., and Egly. 2,892,194.
- Ego, James A. Scraping and cleaning device. 2,879,530, 3-31-59, Cl. 15-104.8.
- Eguchi, Takashi, T. Yamamoto, and S. Yamauchi. Process for preparing formalin by oxidation of methanol. 2,908,715, 10-13-59, Cl. 260-603.
- Egyesult Gyógyászati Társaság: See—  
Fodor, Gábor, Vincze, Toth, Janzso, and Láng. 2,905,687.
- Egyesült Izzólámpa és Villamosági Részvénytársaság: See—  
Bud, Pál, Gacs, and Theisz. 2,891,189.  
Millner, Tivadar, and Theisz. 2,882,435.  
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Zakariás, Imre. 2,880,345.
- Ehara, Ryo: See—  
Tsunoda, Yoshio, Seko, Watanabe, Ehara, and Misumi. 2,894,917.  
Tsunoda, Yoshio, Seko, Watanabe, Ehara, and Misumi. 2,898,311.
- Ehat, Raphael F. Modulated oscillator with elimination of stray capacitance in shielded input. 2,877,420, 3-10-59, Cl. 332-2.
- Ehelm, Franz: See—  
Aldinger, Ulrich, and Ehelm. 2,902,019.
- Ehinger, Frank C. Boat with means for cutting an ice channel. 2,883,957, 4-28-59, Cl. 114-42.
- Ehler, Howard L. Corn harvester and gathering conveyor therefor. 2,894,364, 7-14-59, Cl. 56-15.
- Ehlermann, Hans. Applicator apparatus. 2,877,473, 3-17-59, Cl. 11-1.
- Ehlers, F. Edward: See—  
Farr, Harold K., and Ehlers. 2,877,434.
- Ehlers, Forrest A.: See—  
Davis, Clyde W., Ehlers, and Traylor. 2,913,438.
- Ehlers, Johann: See—  
Waas, Heinrich, Ehlers, and Grim. 2,902,964.
- Ehlert, Carl R. Fishing float. 2,909,865, 10-27-59, Cl. 43-43.11.
- Ehlert, Clayton J., and E. T. Duffy, to The Weatherhead Co. Display cabinet. 2,898,171, 8-4-59, Cl. 312-122.
- Ehlert, William A., to The Ajax Mfg. Co. Vertically divided forging press frame. 2,875,652, 3-3-59, Cl. 78-44.
- Ehmann, Leslie G., and H. Nelson, to Electric Steel Foundry Co. Choker hook. 2,872,716, 2-10-59, Cl. 24-123.
- Ehmann, Leslie G., to Electric Steel Foundry Co. Sleeve ferrule. 2,895,195, 7-21-59, Cl. 24-123.
- Ehmann, Leslie G., to Electric Steel Foundry Co. Press. 2,908,217, 10-13-59, Cl. 100-272.
- Ehmann, Leslie G., to Hyster Co. Lift truck with single telescopic mast. 2,915,210, 12-1-59, Cl. 214-674.
- Ehmann, Ludwig: See—  
Wettstein, Albert, and Ehmann. 2,870,142.  
Wettstein, Albert, Vischer, Meystre, and Ehmann. 2,871,245.  
Wettstein, Albert, Hunger, Meystre, and Ehmann. 2,900,398.
- Ehrenberg, Gustave. Apparatus for cooking foods. 2,917,990, 12-22-59, Cl. 99-386.
- Ehrenford, Frank A., to Allied Laboratories, Inc. Process for combating trichurias infection of domestic animals. 2,909,461, 10-20-59, Cl. 167-53.
- Ehrenfried, Albert D., to Acton Laboratories, Inc. Apparatus for complex plane computations. 2,889,989, 6-9-59, Cl. 235-159.
- Ehrenhaft, Franz F., S. Rosin, and M. Cawein, to Grimson Color Inc. Color image pick up apparatus. 2,884,483, 4-28-59, Cl. 178-5.4.
- Ehrenreich, A., & Cie.: See—  
Latzen, Josef. 2,912,267.
- Ehrenreich, A., & Cie.: See—  
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- Ehrensperger, Carl. Spray gun. 2,886,252, 5-12-59, Cl. 239-354.
- Ehrensperger, William J.: See—  
Blomstran, Carl A., and Ehrensperger. 2,889,133.
- Ehret, Robert J., to Minneapolis-Honeywell Regulator Co. Electrical amplifying means. 2,875,284, 2-24-59, Cl. 179-171.
- Ehret, Robert J., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 2,883,614, 4-21-59, Cl. 323-109.
- Ehret, Robert J., to Minneapolis-Honeywell Regulator Co. Push-pull motor drive circuit. 2,886,754, 5-12-59, Cl. 318-29.
- Ehret, Robert J., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 2,889,460, 6-2-59, Cl. 250-36.
- Ehret, Robert J., to Minneapolis-Honeywell Regulator Co. Electrical measuring apparatus. 2,889,517, 6-2-59, Cl. 324-99.
- Ehret, Robert J., and T. A. Patchell, to Minneapolis-Honeywell Regulator Co. Servomotor system control apparatus. 2,886,755, 5-12-59, Cl. 318-29.
- Ehret, Robert J., and F. F. Cilyo, to Minneapolis-Honeywell Regulator Co. Damped servomotor system. 2,887,642, 5-19-59, Cl. 318-448.
- Ehret, Yale W., to The Adlake Co. Cam type latch. 2,896,989, 7-28-59, Cl. 292-114.
- Ehrgott, Victor F. Furniture support means. 2,902,794, 8-8-59, Cl. 45-137.
- Ehrhart, Gustav, I. Hennig, E. Lindner, and H. Ott, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Basically substituted butyric acid amides and a process of preparing them. 2,876,262, 3-3-59, Cl. 260-562.
- Ehrhart, Gustav, H. Ruschig, J. Schmidt-Thomé, W. Haede, and W. Fritsch, to Farbwerke Hoechst AG, vormals Meister Lucius & Bruning. Process of preparing 17-hydroxy-20-ketosteroides. 2,912,444, 11-10-59, Cl. 260-597.4.
- Ehrhart, Gustav, H. Ruschig, W. Aumüller, L. Stein, and I. Ther, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Basically substituted carboxylic acid amides and a process of preparing them. 2,912,460, 11-10-59, Cl. 260-562.
- Ehrhart, Heinz: See—  
Axt, Gunter, and Ehrhart. 2,890,406.
- Ehrich, Fredric F., to Westinghouse Electric Corp. Jet propelled helicopter motor. 2,894,589, 7-14-59, Cl. 170-135.4.
- Ehrisman, Henry O., and H. S. Drinker, to The Foxboro Co. Digester relief system. 2,896,709, 7-28-59, Cl. 162-286.
- Ehrlich, Charles N. Electric switch. 2,878,336, 3-17-59, Cl. 200-86.5.
- Ehrlich, John: See—  
Frohardt, Roger P., Haskell, Ehrlich, and Knudsen. 2,916,485.
- Ehrlich, Joseph R. Rubber coated wood. 2,875,101, 2-24-59, Cl. 117-148.
- Ehrlich, Joseph R., and W. A. Strauss; said Ehrlich assor. to said Strauss. Casting metals and alloys. 2,870,497, 1-27-59, Cl. 22-113.
- Ehrlich, Morris J., to Hughes Aircraft Co. Electromagnetic horn antenna. 2,879,508, 3-24-59, Cl. 343-786.
- Ehrman, Raymond G.: See—  
Piha, Arthur W., and Ehrman. 2,901,929.
- Ehrmann, Ralph R. M., to Nikocrat Ltd. Toy building element. 2,907,137, 10-6-59, Cl. 46-25.
- Elbert, John, Jr., to Stanford Laboratories, Inc. Method for preparing iodinated thyroid. 2,902,406, 9-1-59, Cl. 167-76.
- Eibl, Johannes: See—  
Rosch, Georg, Klappert, Wolf, and Eibl. 2,898,177.
- Eich, Hans, to Maschinenfabrik Surth. Niederlassung der Gesellschaft für Linde's Eismaschinen Aktiengesellschaft. Valve devices. 2,918,086, 12-2-59, Cl. 137-613.



- Elchberg, Robert L. Combination locks. 2,879,657, 3-31-59, Cl. 70-267.
- Elchler, Herman J., to The National Cash Register Co. Adhesive tape containing pressure-rupturable capsules. 2,907,682, 10-6-59, Cl. 117-122.
- Elchberger, Charles D., to General Electric Co. Electric insulator. 2,892,014, 6-23-59, Cl. 174-212.
- Elchberger, Charles D., and W. N. Lester, to General Electric Co. Electric switchgear of the drawout type. 2,885,502, 5-5-59, Cl. 200-50.
- Elchberger, Charles D., and W. N. Lester, to General Electric Co. Electric bus construction. 2,904,020, 9-15-59, Cl. 174-88.
- Elchberger, Charles D., and G. M. Reed, to General Electric Co. Draw-out type switch-fuse assembly. 2,914,627, 11-24-59, Cl. 200-51.
- Elchberger, Thomas W., to Westinghouse Electric Corp. Method of aging iron-base austenitic alloys. 2,879,194, 3-24-59, Cl. 148-2154.
- Elchelman, Francis J., to Chemetron Corp. Nebulizer. 2,882,026, 4-14-59, Cl. 261-2.
- Elchelman, Francis J., to Chemetron Corp. Diffuser type vaporizer. 2,902,269, 9-1-59, Cl. 261-124.
- Elchenbaum, Arie L., and R. Knechtill, to Radio Corp. of America. Control device. 2,881,349, 4-7-59, Cl. 315-3.6.
- Elchenbaum, William, and M. Mandel. Rotary duplicating apparatus. 2,883,929, 4-28-59, Cl. 101-132.5.
- Elchenbaum, William, and M. Mandel. Control system for duplicating machines. 2,903,965, 9-15-59, Cl. 101-235.
- Elchenbaum, William, and M. Mandel. Duplicating apparatus. 2,908,220, 10-13-59, Cl. 101-132.5.
- Elchenberg, Robert, to McEvoy Co. Choke. 2,893,435, 7-7-59, Cl. 138-44.
- Elchenberg, Robert, and R. S. Burns, to G. A. Butler. Plug valve. 2,868,221, 1-13-59, Cl. 137-246.12.
- Elchhorn, Jacob, to The Dow Chemical Co. Recovery of sulfonated polymers from non-aqueous slurries. 2,877,213, 3-10-59, Cl. 260-79.3.
- Elchhorn, Jacob, to The Dow Chemical Co. Mixing liquids and solids. 2,918,263, 12-22-59, Cl. 259-4.
- Elchlin, Werner, to Siemens & Halske Aktiengesellschaft. Wave conductor, particularly for travelling wave tubes. 2,903,657, 9-8-59, Cl. 333-31.
- Elchmeyer, Russell R., to Burgess Cellulose Co. Stereotype dry mat. 2,918,399, 12-22-59, Cl. 162-181.
- Elchner, Joseph. Safety razor with blade retaining means on the razor cap and blade adjusting means. 2,893,119, 7-7-59, Cl. 30-54.
- Eichwald, Bernard. Hearing device. 2,899,499, 8-11-59, Cl. 179-1.
- Eichweber, Kurt. Detachable road protecting device for tractors, tracklaying vehicles and the like. 2,869,932, 1-20-59, Cl. 305-10.
- Eick, Wolfgang H. G., to International Standard Electric Corp. Automatic tuning of high frequency apparatus. 2,878,358, 3-17-59, Cl. 219-10.77.
- Eickholdt, Lawrence A., 50% to H. C. Wilson. Ladder construction. 2,902,110, 9-1-59, Cl. 182-13.
- Eickmann, Olin J.: See—  
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- Eickmeyer, Henry C. Constant pressure outlet valve. 2,888,033, 5-26-59, Cl. 137-505.
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- Eiden, Leo W.: See—  
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- Eidlow, Alan J., M. Markowicz, and D. I. Morgan, to Courtaulds Ltd. Ring spinning and twisting machines. 2,870,595, 1-27-59, Cl. 57-34.
- Eidsness, Fred A., and A. A. Kallinske, to Inflico Inc. Apparatus for anaerobic digestion. 2,907,712, 10-6-59, Cl. 210-208.
- Eifel, Francis J. Snow plow. 2,908,090, 10-13-59, Cl. 37-53.
- Eigen, David. Sound editing device. 2,885,485, 5-5-59, Cl. 179-100.1.
- Eigner, Leo. Camping attachment for automobiles. 2,896,650, 7-28-59, Cl. 135-1.
- Eikel, Oliver, Jr.: See—  
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- Elinson-Freeman Co., Inc.: See—  
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- Einwaechter, Fred H., Jr. Railway axle journal stop and lubricator pad retainer. 2,913,285, 11-17-59, Cl. 308-38.
- Elsele, Andrew. Bore concentricity gauge holder. 2,884,699, 5-5-59, Cl. 33-178.
- Elsele, Chester W. Depth and diameter gage. 2,895,225, 7-21-59, Cl. 33-174.
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- Elsen, John B., to Bjorksten Research Laboratories, Inc. Battery constituents. 2,902,530, 9-1-59, Cl. 136-20.
- Elsen, John B., J. S. Nachtman, J. Bjorksten, and L. A. Roe; said Elsen assor. to Bjorksten Research Laboratories, Inc. Metal coating of glass fibers at high speeds. 2,907,626, 10-6-59, Cl. 18-54.
- Elsenbels, George G. Powered rotary trowels. 2,888,863, 6-2-59, Cl. 94-42.
- Elsenberg, Daniel E., to Burroughs Corp. Electromagnetic transducer. 2,891,236, 6-16-59, Cl. 340-174.
- Elsenberg, Irwin W., C. H. Dibble, L. B. Armstrong, K. T. A. Love, and C. R. Rhodes, to Phaestron Instrument and Electronic Co. Electrical control unit. 2,905,716, 9-22-59, Cl. 200-37.
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- Elsenberg, Philip H., to Sylvania Electric Products Inc. Electroless plating of non-conductors. 2,872,312, 2-3-59, Cl. 75-212.
- Elsenberger, Robert M., to ACF Industries, Inc. Simulated circuit breaker. 2,877,569, 3-17-59, Cl. 35-13.
- Elsenberger, Sylvan. Tracer additives for mixed feeds and method of using the same for the detection and quantitative determination of micro-ingredients in mixed feeds. 2,868,644, 1-13-59, Cl. 99-2.
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- Eisler, Joseph D., C. F. Hadley, and D. Silverman, to Pan American Petroleum Corp. Variable-intensity recorder. 2,877,080, 3-10-59, Cl. 346-74.
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- Eisler, Joseph D., and C. F. Hadley, to Pan American Petroleum Corp. Multiple-trace recorder. 2,907,621, 10-6-59, Cl. 346-74.
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- Eisler, Paul. Electrical windings. 2,874,360, 2-17-59, Cl. 336-200.
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- Eisler, Sidney. Eyeglasses for reading. 2,880,649, 4-7-59, Cl. 88-41.
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- Ekholm, Carl G., to Lidkopings Mekaniska Verkstads Aktiebolag. Driving mechanism for the regulating wheels of centerless grinding machines. 2,872,757, 2-10-59, Cl. 51-103.
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- Ekkers, Gysbert J., and A. Patriarca, to "Patelhold" Patent-verwertungs- & Elektro-Holding A-G. Thermionic cathode for electron tubes and method for producing same. 2,887,413, 5-19-59, Cl. 117-212.
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- Emeritz, Raymond: See—
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- Lindberg, Caryl A. 2,918,555.
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- Pryne, Ralph. 2,874,628.
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- Makrides, Constantine G. 2,905,309.
- Morrison, Robert F., Jr. 2,908,813.
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- Emley, Warren E., Jr. Door seal. 2,867,012, 1-6-59, Cl. 20-69.
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- Emmons, Nelson III, to The Sheffield Corp. Device for gauging surface characteristics. 2,901,906, 9-1-59, Cl. 73-37.
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- Empire Brushes, Inc.: See—
- Gantz, Emanuel. 2,867,827.
- Schwartz, Harold H. 2,870,473.
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- Empire Products, Inc.: See—
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- Engel, Elmer J. C. Horizontally swingable and vertically movable jointer guard. 2,911,021, 11-3-59, Cl. 144-251.
- Engel, Friedrich V. A. E. and G. F. M., to Electroflo Meters Co., Ltd. Ion-concentration measuring and/or controlling apparatus. 2,879,469, 3-24-59, Cl. 324-30.
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- Engel, Karl: See—
- Waninger, Gilbert, and Engel. 2,901,947.
- Engel, Lenke. Crepe paper and similar bands. 2,887,805, 5-26-59, Cl. 41-10.
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- Noddings, Charles R., Miller, and Engelder. 2,905,608.
- Engelhard Industries, Inc.: See—
- Anderson, Edward P. 2,917,594.
- Anderson, Holger C., and Haley. 2,909,578.
- Anderson, William T., Jr. 2,896,107.
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- Boyers, Gertrude G. 2,868,847.
- Doring, Walter F., Jr. 2,908,623.
- Druce, William J. 2,887,029.
- Germer, Edmund H. 2,892,113.
- Gern, Ernst D. 2,895,395.
- Green, Robert B., and Hill. 2,911,057.
- Hettinger, William P., Jr. 2,893,948.
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- Keith, Carl D., and Haul. 2,867,588.
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- Stumbeck, Max J. 2,888,742.
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- Engelhardt, Richard A., to The Martin Co. Electrical phase sequence switch. 2,910,558, 10-27-59, Cl. 200-92.
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- Moss, Edgar E. 2,912,715.
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- Bottemiller, Merton M., and Engelmann. 2,916,084.
- Engelmann, Gerhard: See—
- Klette, Ernst, and Engelmann. 2,867,765.
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- Kessler, Joseph H., and Engels. 2,904,825.



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- Enger, Roy E., to Sears, Roebuck and Co. Contour sheet. 2,886,833, 5-19-59, Cl. 5-334.
- Engert, Eugen, to Petrix-Union G.m.b.H. Flashlight switch. 2,897,303, 7-28-59, Cl. 200-60.
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- Engineered Equipment Inc.: See—  
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- Engineered Products Co., The: See—  
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- Engineering Research and Application Ltd.: See—  
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- England, Forrest E.: See—  
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- England, Hilda M. Attachments for typewriters. 2,900,067, 8-18-59, Cl. 197-151.
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- Engle, Robert R.: See—  
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- Engle, Theodore M., to Hydrocarbon Research, Inc. Hydrocarbon conversion process. 2,875,147, 2-24-59, Cl. 208-59.
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- Engleson, Harry E., and E. D. Sramek, to F. B. Redington Co. Carton conveying and transfer mechanism. 2,881,682, 4-14-59, Cl. 93-53.
- Engleson, Harry E., and S. V. Klein, to F. B. Redington Co. Bucket conveyor. 2,884,117, 4-28-59, Cl. 198-179.
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- English Electric Co. Ltd., The: See—  
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- English, Richard A., and R. H. Merrick, to Carrier Corp. Liquid distributor. 2,912,170, 11-10-59, Cl. 239-215.
- English, Robert E.: See—  
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- English Rose Ltd.: See—  
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- Englund, Leonard H. Method of inhibiting corrosion in steam lines. 2,872,282, 2-3-59, Cl. 21-2.7.
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- Engstrom, Ernst F. Adjustable lock ring safety clamp for truck wheels. 2,881,825, 4-14-59, Cl. 157-1.
- Engström, Sten O., to Telefonaktiebolaget L. M. Ericsson. Circuit system for demodulating high frequency signals. 2,876,346, 3-3-59, Cl. 250-27.
- Engwall, Anders B., to Castus Corp. Ltd. Interconnected lightweight floor slabs. 2,906,113, 9-29-59, Cl. 72-68.
- Engwall, Victor Th., & Co.: See—  
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- Engwis, Clifford H.: See—  
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- Ennis, Clarence J., to General Motors Corp. Honing mechanism. 2,908,115, 10-13-59, Cl. 51-58.
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- Enright, John J.: See—  
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- Enterprise Mfg. Co., The: See—  
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- Eolkin, Dave: See—  
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- Epsco, Inc.: See—  
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- Epstein, Arnold S., to International Telephone and Telegraph Corp. Mold for fabricating of semiconductor signal translating devices. 2,888,782, 6-2-59, Cl. 49-66.
- Epstein, Bernard, to Compagnie Generale de Telegraphie Sans Fil. Backward wave travelling wave tubes. 2,919,375, 12-29-59, Cl. 315-3.5.
- Epstein, David W., P. E. Kaus, and D. D. Van Ormer, to Radio Corp. of America. Color-kinescopes, etc. 2,885,935, 5-12-59, Cl. 95-1.
- Epstein, Felix, to First Spice Mfg. Corp. Meat processing and composition therefor. 2,876,115, 3-3-59, Cl. 99-222.
- Epstein, Gladys K., and M. I. Index tab. 2,910,985, 11-3-59, Cl. 129-16.8.
- Epstein, Harry, to Kleff Products, Inc. Vehicle speed indicating device. 2,918,652, 12-22-59, Cl. 340-52.
- Epstein, Henry D., to Metals & Controls Corp. Timing device. 2,868,923, 1-13-59, Cl. 200-87.
- Epstein, Herman, to Burroughs Corp. Ferroelectric logical circuit. 2,884,618, 4-28-59, Cl. 340-173.
- Epstein, Herman, to Burroughs Corp. Input buffering system. 2,888,666, 5-26-59, Cl. 340-173.
- Epstein, Herman, to Burroughs Corp. Means for electrostatically recording signals. 2,919,170, 12-29-59, Cl. 346-74.
- Epstein, Herman, and R. R. Tarback, to Burroughs Corp. Thermal printer. 2,917,996, 12-22-59, Cl. 101-93.
- Epstein, Herman, and R. J. Phelps, to Burroughs Corp. Page printing apparatus. 2,919,171, 12-29-59, Cl. 346-74.
- Epstein, Jack A. Packaged beverage products and methods of making them. 2,901,357, 8-25-59, Cl. 99-171.
- Epstein, Max, to Hickok Mfg. Co., Inc. Concealed hole waist belt. 2,898,603, 8-11-59, Cl. 2-322.
- Epstein, Max, to Hickok Mfg. Co., Inc. Apparel belt structure. 2,908,015, 10-13-59, Cl. 2-322.
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- Epstein, Saul. Heater vent pipe connector construction. 2,918,053, 12-22-59, Cl. 126-307.
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- Epsztajn, Bernard, to Compagnie Generale de Telegraphie Sans Fil. Backward flow travelling wave oscillators. 2,880,355, 3-31-59, Cl. 315-3.5.
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- Erath, Louis W., to Dresser Industries, Inc. Resistance meter. 2,879,471, 3-24-59, Cl. 324-62.
- Erath, Louis W., to Dresser Industries, Inc. Means for attenuating a signal in predetermined patterns. 2,887,577, 5-19-59, Cl. 250-27.
- Erath, Louis W., to Dresser Industries, Inc. Oscillator. 2,896,171, 7-21-59, Cl. 331-433.
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- Erb, Edward A. Gear-operated socket wrench. 2,906,153, 9-29-59, Cl. 81-57.
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- Erban, Richard T. Means for synchronizing the tilt of rollers in friction transmissions. 2,910,878, 11-3-59, Cl. 74-200.
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- Erbe, Otto, and A. Rakebrandt, to C. Zeiss. Coarse and fine movement for optical instruments, especially microscopes. 2,877,651, 3-17-59, Cl. 74-1052.
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- Erdley, Harold F., and J. S. Aeternan, to Litton Industries of California. Temperature compensated flotation gyroscope. 2,909,930, 10-27-59, Cl. 74-54.
- Erdman, Donald C., to Electrocircuits Inc. Apparatus for generating frequency modulated signals. 2,902,658, 9-1-59, Cl. 332-16.
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- Erdman, John G., and B. J. Lerner, to Gulf Research & Development Co. Process for reforming porphyrin metallo complexes from heavy oils. 2,902,442, 9-1-59, Cl. 208-253.
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- Erdmann, Hans, to Walde Kohinoor, Inc. Slide fasteners. 2,893,093, 7-7-59, Cl. 24-205.11.
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- Erdmann, Hans, to Walde Kohinoor, Inc. Buckles. 2,897,559, 8-4-59, Cl. 24-73.
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- Ericks, Walter P., to The Upson Co. Process of dimensionally stabilizing cellulose, composition used therefor, and article produced. 2,898,313, 8-4-59, Cl. 260-17.2.
- Ericksen, Anton F., to General Motors Corp. Disk brake. 2,908,358, 10-13-59, Cl. 188-72.
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- Ericksen, Arthur E., to Merck & Co., Inc.  $\Delta^7$ -carbinoyx-steroid compounds and process of preparing the same. 2,889,319, 6-2-59, Cl. 260-239.35.
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- Ericksen, Henry, to Sinclair Refining Co. Bead forming process. 2,875,159, 2-24-59, Cl. 252-448.
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- Ertman, Louis. Splash guard for roof gutters. 2,899,916, 8-18-59, Cl. 108-28.



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- Erwin, Ovid L., to Olin Mathieson Chemical Corp. Conveyor and feeder. 2,893,343, 7-7-59, Cl. 198-221.
- Erwin, Walter R. Hay baler loading attachment. 2,918,162, 12-22-59, Cl. 198-33.
- Erwine, Williams. Pickup truck telescoping cabin unit. 2,893,780, 7-7-59, Cl. 296-23.
- Erwin, David B., to Western Electric Co., Inc. Control systems. 2,899,645, 8-11-59, Cl. 331-86.
- Erwin, Hyle H. Versatile wrecking bar. 2,906,498, 9-29-59, Cl. 254-25.
- Erwin, James V. Drum head and like assemblies. Re. 24,733, 11-10-59, Cl. 84-114.
- Erwin, Ransome W., to Salt Water Control, Inc. Emulsion treater. 2,868,312, 1-13-59, Cl. 183-27.
- Erwin, Ransome W., to Salt Water Control, Inc. Mud degasser. 2,869,673, 1-20-59, Cl. 183-25.
- Erwin, Ransome W., to Salt Water Controls, Inc. Selective sediment discharge valve for an emulsion treater. 2,903,015, 9-8-59, Cl. 137-546.
- Erwin, Ransome W., to Salt Water Control, Inc. Emulsion treater. 2,903,243, 9-8-59, Cl. 257-1.
- Erwin, Robert L., and H. A. McAninch, to Ford Motor Co., and Borg-Warner Corp. Clutch and controls therefor. 2,907,428, 10-6-59, Cl. 192-48.
- Erwin, Weldon C. Shower head. 2,878,066, 3-17-59, Cl. 299-141.
- Erwin, Weldon C. Hydrostatic washout tool. 2,894,585, 7-14-59, Cl. 166-43.
- Erzer, John K., to General Electric Co. Rail vehicle suspension. 2,907,282, 10-6-59, Cl. 105-185.
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- Eschenburg, William A., to Yates-American Machine Co. Table and fence adjusting means for a jointer. 2,872,957, 2-10-59, Cl. 144-253.
- Eschenburg, William A., to Yates-American Machine Co. Combination saw, jointer and sander tool. 2,894,546, 7-14-59, Cl. 144-251.
- Eschenburg, William A., D. D. Pettigrew, and C. Johnson, to The Hartford Special Machinery Co. Power feed mechanisms. 2,873,630, 2-17-59, Cl. 77-33.5.
- Escher, Hans. Recuperators. 2,910,276, 10-27-59, Cl. 257-169.
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- Eserkain, Theodore F.: See—
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- Eshbach, John R., to General Electric Co. Electron beam device. 2,914,696, 11-24-59, Cl. 315-10.
- Eshbaugh, Jesse E., to General Motors Corp. Tank vent structures. 2,874,712, 2-24-59, Cl. 137-43.
- Esher, Joseph R., Jr., to General Electric Co. Apparatus for generating a trigonometric function and multiplying by a D.C. voltage. 2,892,590, 6-30-59, Cl. 235-186.
- Esken, Robert L., to The Sheffield Corp. Gauging device. 2,878,573, 3-24-59, Cl. 33-174.
- Esken, Robert L., to The Sheffield Corp. Gaging apparatus. 2,916,830, 12-15-59, Cl. 33-124.
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- Eskin, Samuel G., and T. B. Legeza, to The Dole Valve Co. Thermal responsive element. 2,873,608, 2-17-59, Cl. 73-358.
- Eskin, Samuel G., J. M. Algino, and T. B. Legeza, to The Dole Valve Co. Gas water heater combination control valve. 2,898,046, 8-4-59, Cl. 236-21.
- Eskridge, Harold E., and W. O. Johnson, to Weather-Seal, Inc. Continuous hinge. 2,866,997, 1-6-59, Cl. 16-171.
- Eskridge, James T.; W. C. Eskridge, administratrix of said J. T. Eskridge, deceased. Ripper tooth for bulldozer blade. 2,885,802, 5-12-59, Cl. 37-145.
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- Esmay, Donald L.: See—
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- Esmay, Donald L., and C. E. Johnson, to Standard Oil Co. Alkoxide synthesis. 2,873,290, 2-10-59, Cl. 260-448.
- Esmay, Donald L., P. Fotis, Jr., and W. A. Wilson, to Standard Oil Co. Catalytic process. 2,881,234, 4-7-59, Cl. 260-683.15.
- Esmay, Paul O. Garden spray gun. 2,880,939, 4-7-59, Cl. 239-331.
- Esmay, Paul O. Wire sectional fence. 2,883,159, 4-21-59, Cl. 256-1.
- Esmeler, Edward F., and B. H. Brown, to United Aircraft Corp. Drive unit. 2,874,540, 2-24-59, Cl. 60-39.09.
- Espenlaub, Walter C., and B. D. Loughlin, to Hazeltine Research, Inc. Matrixing apparatus for color-signal translating system. 2,868,872, 1-13-59, Cl. 178-5.4.
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- Espersen, George A., to North American Philips Co., Inc. Thermionic cathode. 2,895,070, 7-14-59, Cl. 313-346.
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- Esser, Paul. Spraying paint or the like media by means of compressed air. 2,868,585, 1-13-59, Cl. 299-186.
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- Adams, Clark E., and Kimberlin. 2,916,527.
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 Evans, Dwight L., Jr.: See—  
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 Evans, George E., to Union Carbide Corp. Non-aqueous primary cell and method of making the same. 2,894,052, 7-7-59, Cl. 136-83.  
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 Evans, George W., Jr.: See—  
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- Evans, Harry D., to Shell Development Co. Process of separating catalyst particles from hydrocarbon vapors. 2,901,420, 8-25-59, Cl. 208-153.  
 Evans, Harry D., to Shell Development Co. Cyclone separator. 2,917,131, 12-15-59, Cl. 183-85.  
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 Evans, Jesse L., to General Motors Corp. Domestic appliance. 2,889,825, 6-9-59, Cl. 126-198.  
 Evans, Jesse L., to General Motors Corp. Range with pull-out shelf. 2,899,255, 8-11-59, Cl. 312-274.  
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 Evans, John L., to E. I. du Pont de Nemours and Co. Composition. 2,887,404, 5-19-59, Cl. 117-75.  
 Evans, Julius B., to United States Steel Corp. Cleaner for the conical bottom of dust catcher. 2,901,060, 8-25-59, Cl. 183-76.  
 Evans, Kenneth P., H. E. Ivester, and J. M. J. Turrini, to Western Electric Co., Inc. Apparatus for testing a plurality of circuits. 2,869,076, 1-13-59, Cl. 324-51.  
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 Evans, Louis L., and D. F. Sprengler, to Radio Corp. of America. Power supply. 2,908,638, 9-8-59, Cl. 321-18.  
 Evans, Louis P.: See—  
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 Evans, Louis P., to Socony Mobil Oil Co., Inc. Hydrocarbon conversion. 2,885,099, 5-5-59, Cl. 214-152.  
 Evans, Louis P., to Socony Mobil Oil Co., Inc. Process and apparatus for retorting of oil shale. 2,885,338, 5-5-59, Cl. 208-11.  
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 Evans, Lyle W., and H. P. La Buff, to Sylvania Electric Products Inc. Cathode ray tube screen process. 2,873,189, 2-10-59, Cl. 96-35.  
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 Evans, Melvin E. Multiplying device. 2,908,439, 10-13-59, Cl. 235-88.  
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 Tobin, Kenneth J. 2,873,695.  
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 Dunlap, Henry L. 2,900,925.  
 Evans, Richard C.: See—  
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 Haskell, Philip R., Evans, Ketchpel, and Connor. 2,890,685.  
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- Evans, Robert B., and R. A. Bub, to Mine Safety Appliances Co. Gas filter apparatus with bag agitator. 2,911,064, 11-3-59, Cl. 183-59.  
 Evans, Robert D., to The American Agricultural Chemical Co. Hydraulic classification of solids. 2,899,056, 8-11-59, Cl. 209-158.  
 Evans, Robert G., to Robert G. Evans Co. Workpiece conveyor cart for masonry saws. 2,890,693, 6-16-59, Cl. 125-35.  
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 Evans, Robert M., and H. E. Pattee, to The Trane Co. High-temperature nickel base brazing alloys. 2,894,835, 7-14-59, Cl. 75-170.  
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 Evans, Robert P., to North American Aviation, Inc. Voltage regulator for generators. 2,918,617, 12-22-59, Cl. 322-28.  
 Evans, S. W., & Son: See—  
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 Evans, Sidley O.: See—  
 Capron, Adin B., Edgecombe, and Evans. 2,908,384.  
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 Evans, Thomas E., to D. Napier & Son Ltd. Thermostatic control of electric heaters. 2,918,558, 12-22-59, Cl. 219-20.  
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 Decker, Richard O., Pittman, Van Nice, Conner, Hall, and Evans. 2,888,549.  
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 Evans, William T., to Sun Oil Co. Seismic prospecting. 2,912,060, 11-10-59, Cl. 181-0.5.  
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 Edmonds, Harvey A., Evanson, and Gilbert. 2,918,161.  
 Hensgen, Bernard T., and Evanson. 2,899,317.  
 Evanstein, Milton C. Box. 2,874,890, 2-24-59, Cl. 229-34.  
 Evasic, John. Hopper feeder. 2,901,088, 8-25-59, Cl. 198-33.  
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 Even, Georges. Overhead protection hood on combat vehicles. 2,898,810, 8-11-59, Cl. 89-36.  
 Even-Pul Foundations, Inc.: See—  
 Morano, Patrick J. 2,873,744.  
 Evensen, Ingvald M. Paint roller for woven wire fences. 2,866,995, 1-6-59, Cl. 15-230.  
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 Everett, Samuel J., and Himmelweit. 2,915,064.  
 Everett, Samuel J., to S. & R. J. Everett & Co., Ltd. Sewing needles. 2,910,983, 11-3-59, Cl. 128-339.



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- Everett, Victor E. Lubricant and fuel mixing tank. 2,908,289, 10-13-59, Cl. 137-576.
- Everhart, Donald G. Trailing member spinning assembly. 2,898,060, 8-4-59, Cl. 244-135.
- Everhart, Edgar, and P. M. Lorrain, to Research Corp. Voltage multiplier. 2,888,629, 5-26-59, Cl. 321-15.
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- Steinmayer, Alwin G., and Everhart. 2,908,880.
- Everhart, Thomas E., and C. K. Birdsall, to Hughes Aircraft Co. Low-noise microwave tube. 2,870,367, 1-20-59, Cl. 315-3.6.
- Evering, Bernard L.: See—
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- Roebuck, Alan K., and Evering. 2,897,248.
- Evering, Bernard L., and A. K. Roebuck, to Standard Oil Co. Reforming-hydroforming system. 2,918,422, 12-22-59, Cl. 208-79.
- Everitt, Allen L.: See—
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- Everitt, Allen L., to General Motors Corp. Sight system for firearms. 2,871,566, 2-3-59, Cl. 33-58.
- Everitt, Allen L., to General Motors Corp. Resilient mounting. 2,903,208, 9-8-59, Cl. 248-9.
- Everitt, Allen L., J. E. Frederick, and C. A. Mayer, Jr., to General Motors Corp. Resilient mounting means for absorbing axial and lateral thrusts. 2,879,090, 3-24-59, Cl. 287-85.
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- Everitt, William L.: See—
- Fairbanks, Grant, Everitt, and Jaeger. 2,886,650.
- Evers & Co. Aktiebolag: See—
- Högedal, Sven A. 2,885,745.
- Evers, Harry G., to Leich Electric Co. Telephone system comprising multi-function dial back adapter for operator connections and toll ticketing in non-recorder exchanges. 2,918,530, 12-22-59, Cl. 179-7.1.
- Eversharp, Inc.: See—
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- Kuhnl, Leopold K. 2,911,713.
- Kuhnl, Leopold K. 2,914,850.
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- Everson, Kirke B., Jr. Trench shoring apparatus. 2,908,140, 10-13-59, Cl. 61-41.
- Evert, Karl H. Multiple walled flexible tubing. 2,890,723, 6-16-59, Cl. 138-51.
- Everts, Arthur H., to Union Carbide Corp. Method for producing metals electrolytically. 2,913,382, 11-17-59, Cl. 204-69.
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- Eves, John D., and A. W. Olands, to The Brewer-Titchener Corp. Folding lock brace structure. 2,882,109, 4-14-59, Cl. 311-86.
- Evich, Vincent J. Fish processing apparatus. 2,913,759, 11-24-59, Cl. 17-4.
- Evieux, Ernest: See—
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- Evins, David E., to DeJo. Inc. Shoes and method of making the same. 2,907,058, 10-6-59, Cl. 12-142.
- Evraets, John C., to Robertshaw-Fulton Controls Co. Thermoelectric material. 2,881,236, 4-7-59, Cl. 136-5.
- Ewald, Alfred J. Concrete wall form supporting means. 2,892,236, 6-30-59, Cl. 25-131.
- Ewald, Howard H., to Hughes Aircraft Co. Winding apparatus. 2,905,401, 9-22-59, Cl. 242-7.
- Ewald, Philip R., to The University of Tennessee Research Corp. Process and apparatus for determining uniformity. 2,886,714, 5-12-59, Cl. 250-83.6.
- Ewald, William P., to Eastman Kodak Co. Stereo table viewer. 2,891,444, 6-23-59, Cl. 88-29.
- Ewald, William P., to Eastman Kodak Co. Polarizing filter for stereo projector. 2,898,806, 8-11-59, Cl. 88-26.
- Ewald, William P., to Eastman Kodak Co. Slide changing mechanism. 2,898,807, 8-11-59, Cl. 88-28.
- Ewald, William P., to Eastman Kodak Co. Method of casting a multireflector prism in a flexible mold. 2,911,682, 11-10-59, Cl. 18-58.
- Ewaldson, Waldemar C., and C. A. Hallam, to Western Electric Co., Inc. Twist corrector unit for cable sheathing machines. 2,877,730, 3-17-59, Cl. 113-59.
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- Ewert, Donald C., and E. G. Sieber, to Airflo Roofing Co. of America, Inc. Varnish and process of making it. 2,875,080, 2-24-59, Cl. 106-248.
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- Ewing, Alfred M. Flower rack for casket. 2,894,705, 7-14-59, Cl. 248-27.8.
- Ewing, Benton M. Self-locking control device. 2,867,133, 1-6-59, Cl. 74-531.
- Ewing, Clifton H., to Westinghouse Electric Corp. Food waste grinder. 2,903,194, 9-8-59, Cl. 241-100.5.
- Ewing, Henry, and J. R. Wyllie, to British Celanese Ltd. Embossing. 2,915,787, 12-8-59, Cl. 18-56.
- Ewing, James O. Temperature control system for solution tanks. 2,910,838, 11-3-59, Cl. 62-160.
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- Nelson, Permill N. 2,905,905.
- Ewing, Lynn H. Expanding chuck. 2,904,279, 9-15-59, Cl. 242-73.1.
- Ewing, Paul E., to Rich Mfg. Co. of California. Apparatus for forming a lining on centrifugal mold. 2,879,563, 3-31-59, Cl. 22-17.
- Ewing, Ralph L. Distributor repair device. 2,872,722, 2-10-59, Cl. 29-76.
- Ewing, Reid: See—
- Loebel, Frederick A., and Ewing. 2,890,722.
- Ewing, Robert A.: See—
- Templeman, Glen C., Morin, and Ewing. 2,917,562.
- Excel, Inc.: See—
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- Eurey, Noah W. 2,890,891.
- Excelsior, Inc.: See—
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- Duffy, Michael, and Soules. 2,887,021.
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- Cavanaugh, Edward F. 2,874,219.
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- Bernstein, Allan C. 2,902,549.
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- Exline, Paul G. Sampling device. 2,879,850, 3-31-59, Cl. 166-166.
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- Eyellet Specialty Co., Division of International Silver Co., The: See—
- Isele, Louis E. 2,913,103.
- Eyegbroad, Robert J., to The American Laundry Machinery Co. Anti-wrap device for rug cleaning machine. 2,886,838, 5-19-59, Cl. 15-40.
- Eykamp, Roy D. Baled hay chopper. 2,873,779, 2-17-59, Cl. 146-107.
- Eyler, Ivan D.: See—
- Steely, Orus C., and Eyler. 2,897,910.
- Eyles, Edward G. Wire guide. 2,916,259, 12-8-59, Cl. 254-134.3.
- Eynon, Benjamin A., to Dow Corning Corp. 1,1,4,4-tetra-methyl-1,4-disila-3,6-dioxacyclohexane. 2,898,346, 8-4-59, Cl. 260-338.
- Eyraud, Charles. Means for measuring the contents of a combustible component in a gasiform mixture. 2,899,282, 8-11-59, Cl. 23-255.
- Eyraud, Ivan: See—
- Bendayan, Jacques, and Eyraud. 2,887,652.
- Eyraud, Yvan, to Compagnie Generale d'Electricite. Device for recording variations in the diameter of substantially cylindrical objects. 2,895,373, 7-21-59, Cl. 88-14.
- Eyster, Floyd E. Machine for twisting and panning bread dough. 2,867,179, 1-6-59, Cl. 107-8.
- Eyster, Paul E. Combination cutter and pouring spout for cartons. 2,876,933, 3-10-59, Cl. 222-85.
- Eyttinge, Bruce D., to The Frito Co. Method for producing potato chips. 2,886,439, 5-12-59, Cl. 99-100.
- Ezrin, Myer: See—
- Cassidy, Harold G., and Ezrin. 2,900,353.
- F & F Enterprises, Inc.: See—
- Farrell, Guy M., and Frumhoff. 2,888,625.

- F & G Supply Co.: See—
- Stamm, Joseph S., and Bennett. 2,909,631.
- F. M. Research Corp.: See—
- Minick, Fred. 2,911,244.
- F. N. F. Machinery Mfg. Co. Ltd.: See—
- Porter, Allan W. H. 2,871,686.
- Porter, Allan W. H., and Sheppard. 2,872,799.
- FR Corp., The: See—
- Schankler, Harold. 2,894,174.
- F-R Machine Works, Inc.: See—
- Land, Chester B. 2,888,567.
- Land, Chester B. 2,911,537.
- F.T. Products Ltd.: See—
- Fernberg, Eric B. 2,909,819.
- Fernberg, Eric B. 2,918,712.
- FWD Corp.: See—
- Fabian, Gardner J. 2,911,854.
- Fa. Gassareck: See—
- Zalozcky, Bogdan. 2,867,002.
- Fa. Penicillin-Gesellschaft Daueisberg & Co.: See—
- Weydanz, Wilhelm K. 2,899,181.
- Faas, Louis D. Clutch for power mower. 2,881,887, 4-14-59, Cl. 192-48.
- Faasse, Adrian L., F. A. Kuuzman, and H. W. Moser, to Snow Corp. Adjustable mount. 2,871,868, 2-3-59, Cl. 135-46.
- Faatz, Albert C., Jr.: See—
- Bliss, Charles, and Faatz. 2,908,157.
- Fabbrica Italiana Magneti Marelli: See—
- Alfieri, Giuseppe. 2,908,364.
- Faber, Aloysius W., and A. E. Gronewold, to Richardson Rod & Reel Co. Telescoping fishing rod. 2,874,507, 2-24-59, Cl. 43-18.
- Faber, Eberhard, Pencil Co.: See—
- Heffernan, Robert C. 2,871,735.
- Faber, Elmer L., to Conforming Matrix Corp. Apparatus for rotating spray guns to evenly paint non-planar surfaces. 2,888,903, 6-2-59, Cl. 118-301.
- Faber, Kurt: See—
- Meister, Martin, Mauthe, and Faber. 2,890,095.
- Faber & Schleicher Akt.: See—
- Blattner, Karl. 2,878,017.
- Koch, Werner. 2,875,692.
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- Fabian, Gardner J., to FWD Corp. Lockable differential and speed reducing drive. 2,911,854, 11-10-59, Cl. 74-695.
- Fabian, Robert W., and J. L. Sienczyk, to The Budd Co. Acicular metal particles from metal carbonyls and method of preparation. 2,884,319, 4-28-59, Cl. 75-5.
- Fabio, Paul F.: See—
- Brockman, John A., Jr., and Fabio. 2,877,243.
- Brockman, John A., Jr., and Fabio. 2,891,988.
- Brockman, John A., Jr., and Fabio. 2,905,679.
- Fabish, Edward F., to Illinois Tool Works. End milling cutter. 2,905,059, 9-22-59, Cl. 90-11.
- Fabre Research Laboratories, Inc.: See—
- Thomson, George, Cook, and Pepin. 2,880,055.
- Fabrique Juvenia, Petits-fils de Didshelm-Goldschmidt: See—
- Stucky, Eric A. 2,886,942.
- Fabrique Suloise de Crayons Caran d'Ache S.A.: See—
- Germann, Werner. 2,883,966.
- Fabriques de Produits Chimiques de Thann et de Mulhouse: See—
- Gregory, Paul. 2,909,409.
- Fabriques Movado: See—
- Ditesheim, Bernard. 2,871,653.
- Fabus, Juraj. Sub-soil fertilizer applicator. 2,885,977, 5-12-59, Cl. 111-7.1.
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- Faccou, Armand L., to Chiksan Co. Swivel joint and seal assemblies. 2,906,548, 9-29-59, Cl. 285-14.
- Facer, Leroy H., to G. C. Cooley, W. D. Foster, and H. Gregersen, trustees. Method for producing fertilizers and bases from sludges. 2,867,522, 1-6-59, Cl. 71-37.
- Fachini, Giuseppe. Treating tobacco and cigarette paper. 2,890,973, 6-16-59, Cl. 131-17.
- Fachini, Robert M.: See—
- Bornzin, James H., Sadler, and Fachini. 2,884,754.
- Fachon, Emil E., to Bulova Watch Co. Inc. Waterproof watch-case. 2,871,654, 2-3-59, Cl. 58-90.
- Fackler, Bernard E., J. J. Donnelly, and C. S. Daniels, to Consolidated Electronics Industries Corp. Direct reading time delay relay. 2,916,569, 12-8-59, Cl. 200-33.
- Fada Radio & Electric Co., Inc.: See—
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- McKain, Walter P. 2,883,887.
- Fadden, William J., Jr.: See—
- Kuljian, Harry A., and Fadden. 2,870,751.
- Fadler, Kurt: See—
- Held, Roland, and Fadler. 2,888,120.
- Von Bombard, Franz J., and Fadler. 2,901,073.
- Faerber, Harry W., to Time, Inc. Automatic roller setting for ink distribution systems. 2,868,122, 1-13-59, Cl. 101-348.
- Faerber, Harry W., to Time, Inc. Inking mechanism. 2,891,473, 6-23-59, Cl. 101-350.
- Faerber, Harry W., to Time, Inc. Planetary inserter mechanism. 2,903,260, 9-8-59, Cl. 270-54.
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- Faerber, Harry W., to Time, Inc. Mechanisms for separating bound and unbound books. 2,917,168, 12-15-59, Cl. 209-72.
- Faerber, Gerhard, to Deutsche Solvay-Werke G. m. b. H. Production of polyesters by poly-addition. 2,875,161, 2-24-59, Cl. 260-78.4.
- Fafnir Bearing Co., The: See—
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- Leister, Fayette. 2,873,128.
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- Leister, Fayette. 2,902,320.
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- Fagg, Lyndall J.: See—
- Chenery, Peter J., Fagg, and Ross. 2,877,586.
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- Fagge, Ralph D., deceased; S. A. Fagge, administratrix. Electrode-reciprocating spot welding gun. 2,891,513, 6-23-59, Cl. 121-38.
- Fagge, Sophie A.: See—
- Fagge, Ralph D. 2,891,513.
- Fagge, Ralph D. and S. A. 2,879,373.
- Fagin, Karl W.: See—
- Radke, Donald F., Fagin, and Marks. 2,869,790.
- Fahy, Floyd J., and W. M. McCrum. Hood. 2,882,894, 4-21-59, Cl. 128-141.
- Fahy, Richard J.: See—
- Carknuff, LeRoy F., and Fahy. 2,881,938.
- Fahl, Christoph, to H. and F. W. Deckel. Mechanism for setting photographic exposure values. 2,911,897, 11-10-59, Cl. 95-64.
- Fahland, Frank. Fifth wheel pedestal structure. 2,916,238, 12-8-59, Cl. 248-119.
- Fahlenberg, Paul: See—
- Gebele, Kurt, and Fahlenberg. 2,887,939.
- Fahlenberg, Paul, to H. and F. W. Deckel. Photographic camera. 2,901,957, 9-1-59, Cl. 95-64.
- Fahnestock, Frank C., to Socony Mobil Oil Co., Inc. Continuous high-pressure contacting of fluids with granular solids. 2,868,720, 1-13-59, Cl. 208-173.
- Fahnoe, Frederick, to Vitro Corp. of America. Method of making a grinding tool. 2,904,418, 9-15-59, Cl. 51-293.
- Fahnoe, Frederick, and J. J. Shyne, to United States of America, Atomic Energy Commission. Nuclear fuel elements and methods for making same. 2,872,888, 2-3-59, Cl. 204-15.
- Fahnoe, Frederick, J. J. Shyne, and W. D. Fletcher, to Vitro Corp. of America. Information storage systems and methods for producing same. 2,906,682, 9-29-59, Cl. 204-181.
- Fahnoe, Harold H., to Westinghouse Electric Corp. Fusible devices. 2,879,354, 3-24-59, Cl. 200-113.
- Fahnoe, Harold H., to Westinghouse Electric Corp. Fusible devices. 2,917,605, 12-15-59, Cl. 200-114.
- Fahrenbach, Wolfgang B., to Edlo, Inc. Banding apparatus and method. 2,882,657, 4-21-59, Cl. 53-3.
- Fahrenbach, Wolfgang B., to Edlo, Inc. Banding machine. 2,912,808, 11-17-59, Cl. 53-134.
- Fahrenkrug, Willard J., to Badger Paper Mills, Inc. Machine and method for erecting a carton and integral cover on one operation. 2,872,855, 2-10-59, Cl. 93-51.
- Fahrenwald, Arthur W. Jaw crusher. 2,873,922, 2-17-59, Cl. 241-264.
- Fahrl, Carol: See—
- Korn, Arthur, Hess, and Ruskin. 2,894,259.
- Fahringer, Victor T. Apparatus for sealing a pressure vessel. 2,873,597, 2-17-59, Cl. 68-5.
- Fahringer, Victor T. Method and apparatus for treating web and/or strand material. 2,905,522, 9-22-59, Cl. 8-151.
- Fahrni, Walter. Percussion machine. 2,872,914, 2-10-59, Cl. 125-33.
- Faidley, Hunter C. Apparatus for cleaning by ultra-sonic vibrations. 2,896,649, 7-28-59, Cl. 134-184.
- Falling, George E., Co.: See—
- Cornish, Eugene S. 2,880,393.
- Cornish, Eugene S. 2,915,697.
- Cornish, Eugene S., and Stark. 2,915,696.
- Falling, Jay C. Fluid circulating drilling barrel. 2,914,306, 11-24-59, Cl. 253-19.
- Faillace, Frank A.: See—
- Michalko, Ignatius, and Faillace. 2,881,005.
- Fain, Morton E., and H. Copley, Jr., to Tower Iron Works Inc. Filtration system. 2,874,845, 2-24-59, Cl. 210-167.
- Fainl, Albert. Captive cap for receptacles. 2,892,565, 6-30-59, Cl. 220-30.5.
- Fairbank, Murry N.: See—
- Land, Edwin H., Eloranta, and Fairbank. 2,880,658.
- Fairbank, Murry N., to Polaroid Corp. Photographic apparatus. 2,877,699, 3-17-59, Cl. 95-59.
- Fairbank, Murry N., to Polaroid Corp. Photographic apparatus. 2,903,950, 9-15-59, Cl. 95-11.5.
- Fairbank, Murry N., to Polaroid Corp. Photographic apparatus and process. 2,915,393, 12-1-59, Cl. 96-50.
- Fairbanks, Avard F., and C. M. Wolfe, to North American Aviation, Inc. Radiation tracker for aiming at center or centroid of multiple targets. 2,877,354, 3-10-59, Cl. 250-203.
- Fairbanks, Avard F., and T. R. Whitney, to North American Aviation, Inc. Infrared scanning system. 2,882,416, 4-14-59, Cl. 250-83.3.



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Newcombe, Jack, and Fallgatter. 2,894,908.  
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Fan, Hsing Y., to Shell Development Co. Halogenated naphthoquinones. 2,886,577, 5-12-59, Cl. 260-396.  
Fancher, Kenneth L., to American Bosch Arma Corp. Timing device for fuel injection pump. 2,910,976, 11-3-59, Cl. 123-140.  
Fancher, Otis E., and G. Nichols, to Miles Laboratories, Inc. Substituted 2,3,4,5-tetrahydrodiazepine compounds and pharmaceutical compositions therewith. 2,899,359, 8-11-59, Cl. 167-65.  
Fancher, Paul J. Combination cover and enclosure for Christmas trees and other displays. 2,868,255, 1-13-59, Cl. 150-52.  
Fand, Theodore L., to Warner-Lambert Pharmaceutical Co. Anti-fungal compounds. 2,909,525, 10-20-59, Cl. 260-290.  
Fang, James C., to E. I. du Pont de Nemours and Co. Reaction product of phosphoric acid with a dioxolane ester-ethylenically unsaturated monomer copolymer and process for making same. 2,877,215, 3-10-59, Cl. 260-86.1.  
Fanner, Percival A. Floor or deck construction. 2,878,904, 3-24-59, Cl. 189-34.  
Fanning, Walter F. Shock absorber for orthopedic crutches. 2,888,022, 5-26-59, Cl. 135-60.  
Fanslau, Werner, and S. Carstensen, to Blaupunkt-Werke, G.m.b.H. Method of producing two-dimensional circuits or circuit elements on supporting bases. 2,914,404, 11-24-59, Cl. 96-35.  
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Alkman, Oliver S. 2,871,423.  
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Burnham, John. 2,871,425.  
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Taylor, Donald F., Baughman, and Yntema. 2,904,430.  
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Taylor, Donald F., Baughman, and Yntema. 2,905,549.  
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Fantl, Roy A., to United Aircraft Corp. Airfoil temperature control means. 2,873,933, 2-17-59, Cl. 244-117.  
Fantl, Roy A., to United Aircraft Corp. Variable contour propeller blades. 2,918,978, 12-29-59, Cl. 170-160.24.  
Fantl, Joel, F. J. Lection, and S. H. Rider, to Monsanto Chemical Co. Aqueous thermosetting resin compositions having improved viscosity-temperature relationships. 2,890,948, 6-16-59, Cl. 51-298.  
Farbak, John E., and E. J. Kasmen, to Swift & Co. Salad oil and method of oiling tin plate therewith. 2,899,328, 8-11-59, Cl. 106-250.  
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Bartl, Herbert, and Gensel. 2,917,478.  
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Becker, Wilhelm, and Steuer. 2,874,467.  
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Bierert, Berthold, Breig, and Groll. 2,873,280.  
Böckmann, Klaus. 2,917,504.  
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Bohme, Otto, Mott, Pfirsche, and Wolltham. 2,875,225.  
Bonrath, Wilhelm, and Urbschat. 2,889,245.  
Boresch, Carl. 2,868,737.  
Breer, Karl, and Weinbrenner. 2,885,268.  
Brüning, Eberhard F., Domagk, and Metzsch. 2,888,379.  
Bunge, Wilhelm, Mielke, and Möller. 2,886,555.  
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Doser, Arnold. 2,906,776.  
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Enders, Edgar. 2,868,777.  
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Exner, Herbert-Joachim, and Putter. 2,891,049.  
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Fünke, Albert, and Raab. 2,899,420.  
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Hagge, Walter, Quaedvlieg, and Selfert. 2,906,715.  
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Henecka, Hans, Timmler, and Lorenz. 2,888,451.  
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 Kaupp, Josef, and Zinnert. 2,908,697.  
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 Kracker, Herbert, Bauer, Kirst, Lowenfeld, and Staab. 2,908,679.  
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 Lang, Helmut. 2,902,808.  
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 Fareri, Elizabeth L., and J. P. Pellegrini, Jr., to Gulf Research & Development Co. Salts of 2,4-dinaphthyl-3-thiaglutaric acids and 1,3-diaminopropanes. 2,899,459, 8-11-59, Cl. 260-501.  
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 Farinet, Fred A., Jr., to United States of America, Air Force. Photoelectric sensing unit for aircraft gun cameras. 2,899,878, 8-18-59, Cl. 95-10.  
 Farino, Frank, to Leading Lady Foundations, Inc. Brassieres. 2,890,702, 6-16-59, Cl. 128-460.  
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 Farmer, Alfred. Spray device. 2,876,041, 3-3-59, Cl. 299-84.  
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 Farmer, Cecil. Method of winding armature cores in an apparatus. 2,876,449, 3-3-59, Cl. 29-155.58.  
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 Pratt, Ward E., and Farr. 2,873,127.  
 Farr, Claude B. Non-fouling anchor. 2,914,015, 11-24-59, Cl. 114-208.  
 Farr, Elmer M. Traller hitch. 2,884,261, 4-28-59, Cl. 280-512.  
 Farr, Gerald W. Solvent fractionation of winterized cottonseed oil bottoms. 2,903,363, 9-8-59, Cl. 99-118.  
 Farr, Harold K., and F. E. Ehlers, to United States of America, Navy. Mode filter. 2,877,434, 3-10-59, Cl. 333-98.  
 Farr, Kenneth E.: See—  
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 Farr, Kenneth E., to Westinghouse Electric Corp. Television receiver apparatus. 2,875,274, 2-24-59, Cl. 178-58.  
 Farrand, Clair L., and H. J. Hasbrouck, to Farrand Optical Co., Inc. Vertical leveling mirror. 2,907,246, 10-6-59, Cl. 88-1.  
 Farrand, Clair L., and J. L. Winget, to Inductosyn Corp. Reduction of single-turn loop coupling in position-measuring transformers. 2,915,721, 12-1-59, Cl. 336-69.  
 Farrand Optical Co., Inc.: See—  
 Farrand, Clair L., and Hasbrouck. 2,907,246.  
 Glaser, Walter. 2,906,879.  
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 Kanolt, Clarence W. 2,878,721.  
 Farrand, William A., S. G. Johnston, L. L. Kilpatrick, and J. P. Lekas, to North American Aviation, Inc. Magnetic disc recorder. 2,899,260, 8-11-59, Cl. 346-74.  
 Farrar, Alvin J., to Republic Steel Corp. Collapsible container and pallet assembly. 2,897,995, 8-4-59, Cl. 220-6.  
 Farrel-Birmingham Co., Inc.: See—  
 Board, Samuel S., Jr. 2,873,160.  
 Board, Samuel S., Jr., and Manger. 2,906,063.  
 Hold, Peter. 2,875,985.  
 Hold, Peter. 2,912,556.  
 Joyner, John M. 2,902,363.  
 MacLeod, Douglas W., and Selbach. 2,918,905.  
 Marganski, Joseph J., and King. 2,890,026.  
 Ryan, Kenneth Y., and Waters. 2,878,559.  
 Tippet, Philip V. 2,869,452.  
 Watt, David J. 2,885,830.  
 Wenzel, Robert H. 2,893,055.  
 Farrell, Edward G., to Irvington Machine Works, Inc. Printing mechanism. 2,905,087, 9-22-59, Cl. 101-350.  
 Farrell, Eugene F.: See—  
 Holdeman, John W., and Farrell. 2,887,771.  
 Farrell, Forrest P. Removable screen for foundation vents. 2,891,615, 6-23-59, Cl. 160-369.  
 Farrell, Guy M., and A. D. Frumhoff, to F & F Enterprises, Inc. Remote television tuner. 2,888,625, 5-26-59, Cl. 318-467.  
 Farrell, James K., to Allied Chemical Corp. Solvent medium for the anthraquinone process for the production of hydrogen peroxide. 2,890,105, 6-9-59, Cl. 23-207.  
 Farrell, Joseph G.: See—  
 Hemery, Jack L., and Farrell. 2,876,109.  
 Farrell, Richard R., to Universal Lubricating Systems, Inc. Grease gun. 2,873,893, 2-17-59, Cl. 222-326.  
 Lubricant fitting. 2,878,896, 3-24-59, Cl. 184-105.  
 Farrell, Sherman R., to Applied Radiation Corp. Charged particle beam diffuser. 2,896,103, 7-21-59, Cl. 313-7.  
 Farrer, Kenneth, to Baker Perkins Ltd. Manufacture of biscuits. 2,884,115, 4-28-59, Cl. 198-34.  
 Farrer, Kenneth, to Baker Perkins Ltd. Manufacture of biscuits. 2,917,009, 12-15-59, Cl. 107-21.  
 Farries, Alexander G., to D. Napier & Son Ltd. Apparatus for applying coatings to curved surfaces. 2,885,908, 5-12-59, Cl. 118-325.  
 Farrington Mfg. Co.: See—  
 Blod, Francis E. 2,889,037.  
 Hosken, James C. 2,890,651.  
 Jerome, Thomas R. 2,905,356.  
 Keefe, Frank J., Jr. 2,914,119.  
 McKay, Frank E. 2,916,140.  
 Farrington, William B., to Jersey Production Research Co. Orientation device for transparent element. 2,897,717, 8-4-59, Cl. 88-14.  
 Farris, Vernie L. Method and apparatus for repairing a fluid pressure line. 2,899,983, 8-18-59, Cl. 138-97.  
 Farrow, John R.: See—  
 Douglass, Dayton W. 2,879,009.  
 Fasce, Egi V., and N. L. Cull, to Esso Research and Engineering Co. Olefin polymerization process. 2,904,542, 9-15-59, Cl. 260-94.9.  
 Fasciati, Alfred: See—  
 Heckendorn, Alphonse, Fasciati, and Zollinger. 2,889,316.  
 Fasciati, Alfred, to Ciba Ltd. New monoazo-dyestuffs and their manufacture. 2,891,940, 6-23-59, Cl. 260-153.  
 Fasciati, Alfred, to Ciba Ltd. Metalliferous azo-dyestuffs. 2,897,189, 7-28-59, Cl. 260-147.  
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 Fasciati, Alfred, and H. Riat, to Ciba Ltd. Water soluble triazine azo dyestuffs. 2,891,941, 6-23-59, Cl. 260-153.  
 Fasciati, Alfred, and R. Gunst, to Ciba Ltd. Triazine mono-azo-dyestuffs. 2,910,464, 10-27-59, Cl. 260-153.  
 Fasco Industries, Inc.: See—  
 Byam, Peter M. 2,898,418.  
 Fas-Flo Filter Corp.: See—  
 Stafford, John W. 2,885,082.  
 Fasold, George A., and J. G. Blough, to The Philip Carey Mfg. Co. Nozzle for periodic ejecting caulking gun. 2,871,817, 2-3-59, Cl. 118-407.  
 Fassbender, Fred, to S. M. Frank & Co., Inc. Smoking pipes. 2,881,773, 4-14-59, Cl. 131-225.  
 Fassbinder, Werner B. Apparatus for weighing livestock. 2,873,106, 2-10-59, Cl. 265-52.  
 Fassero, Anthony T., and J. R. Maddox. Device for curing tire casings. 2,869,180, 1-20-59, Cl. 18-45.  
 Fassero, Anthony T., and J. R. Maddox. Tire vulcanizing molds. 2,915,783, 12-8-59, Cl. 18-68.  
 Fassnacht, Arthur F., and A. R. Jones, to Sheffield-Cleveland Corp. Machine tool. 2,877,758, 3-17-59, Cl. 125-11.  
 Fast, Clarence R., and G. C. Howard, to Pan American Petroleum Corp. Fracturing formations with a volatile fluid. 2,876,839, 3-10-59, Cl. 166-22.



- Fastener Corp.: See—**  
Wandel, Oscar A. 2,884,637.  
Wandel, Oscar A. 2,909,780.  
Wandel, Oscar A. 2,915,754.  
Wandel, Oscar A., and Doyle. 2,887,686.
- Fastenrath, Walter: See—**  
Regentrop, Paul, and Fastenrath. 2,881,894.
- Fastle, William G.: See—**  
Crosswhite, Henry M., Jr., and Fastle. 2,914,987.  
Machler, Raymond C., and Fastle. 2,912,862.
- Fathauer, George H., to Thompson Ramo Wooldridge, Inc.**  
Television circuit for obtaining stable set-up level. 2,910,531, 10-27-59, Cl. 178-7.1.
- Fathauer, George H., to Thompson Ramo Wooldridge Inc.**  
Automatic target current control circuit. 2,911,561, 11-3-59, Cl. 315-10.
- Fathauer, George H., to Thompson Ramo Wooldridge, Inc.**  
Television camera circuits. 2,911,562, 11-3-59, Cl. 315-10.
- Fatt, Irving, and J. F. Chittum, to California Research Corp.**  
Method of treating wells with acid. 2,910,436, 10-27-59, Cl. 252-8.55.
- Fatzer, Willy: See—**  
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Sulzer, Georg, Guertler, Fatzer, and Maeder. 2,898,239.
- Faucher, Andrew J.**  
Apparatus for drying and humidifying materials. 2,867,913, 1-13-59, Cl. 34-46.
- Faudi Fernbaug G.m.b.H.: See—**  
Dornauf, Arnold. 2,902,164.
- Faught, Harold F., to Westinghouse Electric Corp.**  
Elastic fluid apparatus. 2,879,936, 3-31-59, Cl. 230-132.
- Faugier, Gabriel, to Societe d'Etudes et de Construction d'Appareils de Securite J.R.G.**  
Raising and lowering apparatus. 2,915,136, 12-22-59, Cl. 182-142.
- Faugier, Gabriel, and R. Fertier.**  
Safety apparatus. 2,896,912, 7-28-59, Cl. 254-159.
- Faugno, Anthony: See—**  
Hamberg, Henry F., and Faugno. 2,873,051.
- Faulconer, Thomas P.**  
Combination calliper and slide rule. 2,874,478, 2-24-59, Cl. 33-143.
- Faulhaber Co., The: See—**  
Walsh, Maurice J. 2,884,045.
- Faulhaber, Fritz, to Voigtlander-Akt.**  
Photoelectric exposure meter. 2,879,691, 3-31-59, Cl. 88-23.
- Faulhaber, Fritz, to A. G. Voigtlander.**  
Release system for photographic cameras. 2,890,637, 6-16-59, Cl. 95-32.
- Faulhaber, Fritz, to Voigtlander, A.G.**  
Photographic camera with automatic adjustment of the exposure conditions. 2,913,969, 11-24-59, Cl. 95-10.
- Faulhaber, Fritz, to Voigtlander Aktiengesellschaft.**  
Device for the adjustment of exposure values in photographic cameras. 2,917,984, 12-22-59, Cl. 95-64.
- Faulk, Kenneth H., to Cities Service Refining Corp.**  
Storage of liquefied gases. 2,884,763, 5-5-59, Cl. 62-54.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
Translator for a telephone system. 2,876,289, 3-3-59, Cl. 179-18.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
"Not and" gate circuits. 2,879,411, 3-24-59, Cl. 307-88.5.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
Register for a telephone system. 2,882,345, 4-14-59, Cl. 179-18.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
Telephone instrument utilizing transistor amplifier. 2,885,483, 5-5-59, Cl. 179-81.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
Transistor multivibrator. 2,900,606, 8-18-59, Cl. 331-113.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
Paystation party line lockout systems. 2,910,543, 10-27-59, Cl. 179-17.
- Faulkner, Alfred H., to General Telephone Laboratories, Inc.**  
3-wire connector. 2,914,818, 11-24-59, Cl. 179-18.
- Faulkner, Alfred H., and H. C. Talcott, to General Telephone Laboratories, Inc.**  
Telephone apparatus employing transistor amplifiers. 2,885,484, 5-5-59, Cl. 179-81.
- Faulkner, Alice M.: See—**  
Faulkner, Seymour. 2,889,286.
- Faulkner, Ford R., 1/2 to E. E. Bradford.**  
Camping trailer. 2,912,274, 11-10-59, Cl. 296-23.
- Faulkner, Seymour, deceased; A. M. Faulkner, executrix of said S. Faulkner, to E. F. Drew & Co., Inc.**  
Nickel-titanium catalysts. 2,889,286, 6-2-59, Cl. 252-455.
- Faulkner, Willard J., to V-M Corp.**  
Speed-changing mechanism for phonographs. 2,898,771, 8-11-59, Cl. 74-200.
- Faulkner, William H., Jr., J. W. Shearer, and V. C. Woodworth, to Tracerlab, Inc.**  
Radiation thickness measurement. 2,883,552, 4-21-59, Cl. 250-83.6.
- Faultless Caster Corp.: See—**  
Skupas, John A. 2,915,775.
- Faurote, Philip D.: See—**  
O'Rear, Jacques G., and Faurote. 2,894,971.
- Faus, Harold T.: See—**  
Mendelsohn, Lewis I., and Faus. 2,897,443.
- Faus, Harold T., to General Electric Co.**  
Electric measuring instrument. 2,908,867, 10-13-59, Cl. 324-147.
- Fausek, Irving F., and W. L. Reedy, to Modern Engineering Co.**  
Valve seat structures. 2,904,060, 9-15-59, Cl. 137-329.04.
- Fausser, Donald L.: See—**  
Landrigan, Richard B., Fausser, and Tom. 2,872,338.
- Fausser, Ernest E., to The Goodyear Tire & Rubber Co.**  
Process of curing a polyurethane with a mixture of diisocyanate and polyester. 2,888,432, 5-26-59, Cl. 260-45.4.
- Fausser, Giacomo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica.**  
Separation of acetylene from methane cracking gases by means of a selective solvent. 2,894,602, 7-14-59, Cl. 183-120.
- Fausser, Giacomo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica.**  
Process and apparatus for performing exothermic reactions under high pressure and at elevated temperature. 2,898,183, 8-4-59, Cl. 23-1.
- Fauske, Sig C., to Phillips Petroleum Co.**  
Purification of butadiene by removing it from oxygen with an absorbent oil. 2,905,732, 9-22-59, Cl. 260-681.5.
- Fausnaugh, Ralph.**  
Galley slide receiver. 2,895,595, 7-21-59, Cl. 190-61.
- Faust, Charles L.: See—**  
Bride, John E., Faust, and Safranek. 2,886,500.
- Faust, Delbert G., to C. A. Morgren Co.**  
Spray system. 2,868,584, 1-13-59, Cl. 299-86.
- Faust, Donald M.: See—**  
Farmer, Stanley E., and Faust. 2,874,862.
- Faust, Harry W., to Monsanto Chemical Co.**  
Oil-soluble carbonated metallo alkylated aryl sulfonates and compositions containing the same. 2,916,451, 12-8-59, Cl. 252-33.4.
- Faust, John A., and M. Sahyun; said Faust assor, to said Sahyun, d.b.a. Sahyun Laboratories.**  
Amidines. 2,919,274, 12-29-59, Cl. 260-251.
- Faust, Paul F.: See—**  
Eisenhard, Eli S., and Faust. 2,889,609.
- Fauteck, Walter S., D. H. Rollert, and H. S. Stover, to Mergenthaler Linotype Co.**  
Toss bombing apparatus. 2,910,916, 11-3-59, Cl. 89-1.5.
- Fauth, Frederick E.: See—**  
Day, Carl L., Fauth, Flnke, and Reymann. 2,896,674.  
Day, Carl L., Fauth, and Reymann. 2,870,016.
- Fauth, Frederick E., and R. S. Jump, to Crown Cork & Seal Co., Inc.**  
Capping apparatus. 2,874,526, 2-24-59, Cl. 53-314.
- Fauvelot, Pierre E. R., to Societe Anonyme Etablissements Ed. Jaeger.**  
Adjustment devices for magnetic drive, applicable notably to tachometers. 2,872,601, 2-3-59, Cl. 310-105.
- Fauvelot, Pierre E. R., to Etablissements Ed. Jaeger.**  
Sound-proof and shock absorbing bearing for precision mechanisms. 2,878,638, 3-24-59, Cl. 58-140.
- Faverty, Clyde B., and W. R. Shaver, to Pullman-Inc.**  
Vehicle floor construction. 2,910,016, 10-27-59, Cl. 105-422.
- Faville, Henry E., and D. T. McKenna, to Reuhl Products, Inc.**  
Advertising display. 2,875,538, 3-3-59, Cl. 40-106.3.
- Favorite, John R.: See—**  
Kuhmeyer, Carl A., Owen, and Favorite. 2,891,165.
- Favors, Hollice A., to Hoffman Electronics Corp.**  
Electronic selective circuit or the like. 2,894,131, 7-7-59, Cl. 250-27.
- Favre, Francois: See—**  
Bossard, Werner, Voltz, and Favre. 2,883,373.  
Bossard, Werner, Voltz, and Favre. 2,889,315.
- Favre, John A., J. P. Butler, and B. Mitacek, to Phillips Petroleum Co.**  
Method and apparatus for blending lubricating oil stocks. 2,883,343, 4-21-59, Cl. 252-56.
- Favre, John A., to General Electric Co.**  
Current-carrying hinge construction. 2,895,033, 7-14-59, Cl. 200-170.
- Favre, Robert, to Ebauches S.A.**  
Circuit for transforming a stored electric quantity into a number proportional to this electric quantity of electric pulses. 2,862,397, 4-14-59, Cl. 250-27.
- Favre, Robert.**  
Magnetically guided miniature vehicle system. 2,903,821, 9-15-59, Cl. 46-236.
- Favret, Maxime, and E. H. Schaefer, to Elgin National Watch Co.**  
Balance with adjustable moment of inertia. 2,880,570, 4-7-59, Cl. 58-107.
- Favrin, Pierre A.: See—**  
Collon, Raymond J., and Favrin. 2,876,704.
- Fawcett, Cecil C., and C. F. Langer, to United States of America, Army.**  
Thruster. 2,880,572, 4-7-59, Cl. 60-19.
- Fawcett, Cecil C., A. M. Stott, and C. F. Langer, to United States of America, Army.**  
Uniform velocity thruster. 2,903,849, 9-15-59, Cl. 60-19.
- Fawcett, Frank S.: See—**  
Arnold, Herrick R., Fawcett, and Gilbert. 2,900,235.
- Fawcett, Paul W.: See—**  
Brouse, Shirley B., and Fawcett. 2,908,216.  
Brouse, Shirley B., and Fawcett. 2,912,099.
- Fawcett, Paul W., to United States Steel Corp.**  
Guide track and compressor for automatic wire-tying machine. 2,908,215, 10-13-59, Cl. 100-26.
- Fawick Corp.: See—**  
Eakin, John V. 2,879,868.  
Eakin, John V., and Walsh. 2,870,891.  
Fawick, Thomas L. Re. 2,4652.  
Fawick, Thomas L. 2,897,924.  
Fawick, Thomas L. 2,914,959.  
Fawick, Thomas L. 2,915,148.
- Fawick, Thomas L.**  
Resilient wheel assembly. 2,870,813, 1-27-59, Cl. 152-44.
- Fawick, Thomas L., to Fawick Corp.**  
Assembly for use as a clutch or a brake. Re. 2,4652, 5-26-59, Cl. 192-85.
- Fawick, Thomas L., to Fawick Corp.**  
Actuating diaphragm and wear-shoe assembly for fluid-actuated clutches and brakes. 2,897,924, 8-4-59, Cl. 188-152.

- Fawick, Thomas L., to Fawick Corp.**  
Work-handling apparatus. 2,914,959, 12-1-59, Cl. 74-411.
- Fawick, Thomas L., to Fawick Corp.**  
Cylinder-and-piston assembly and braking mechanism comprising same. 2,915,148, 12-1-59, Cl. 188-352.
- Fawkes, Donald G., to Henry Pratt Co.**  
Shaft seal for a valve. 2,884,224, 4-28-59, Cl. 251-306.
- Fawkes, Donald G., to Henry Pratt Co.**  
Valve operator. 2,909,079, 10-26-59, Cl. 74-509.
- Faxen, Per T., to Svenska Aeroplan Aktiebolaget.**  
Geometrical balance computer. 2,916,206, 12-8-59, Cl. 235-61.
- Faximile, Inc.: See—**  
Shaver, David. 2,881,273.  
Stamps, George M. 2,896,501.
- Fay, James P., to The Teletrak Corp.**  
Apparatus for magnetically recording electrical waves. 2,909,596, 10-20-59, Cl. 178-6.6.
- Fay, John A., to Waste King Corp.**  
Dishwasher with float switch. 2,882,366, 4-14-59, Cl. 200-84.
- Fay, Morty.**  
Clothes hanger. 2,914,227, 11-24-59, Cl. 223-92.
- Fay, William A.**  
Rafter guide. 2,875,523, 3-3-59, Cl. 33-93.
- Faye, Louis.**  
Bracket type scaffolding, adjustable in height, slidably, for concrete wall erection. 2,893,786, 7-7-59, Cl. 304-14.
- Fayerweather, Neuman H.**  
Rectilinear recorder. 2,882,118, 4-14-59, Cl. 346-117.
- Fayolle, Marcel: See—**  
Ancet, Victor M. J., and Fayolle. 2,906,296.
- Fayolle, Marius: See—**  
Ancet, Victor M. J., and Fayolle. 2,906,296.
- Fazekas, Gabriel A. G.: See—**  
Cochran, Elvin P., Jr., and Fazekas. 2,872,805.
- Fazendin, Donald F.: See—**  
Beck, William J., and Fazendin. 2,895,247.
- Fazit Gesellschaft fur Transporttechnik m. b. H.: See—**  
Dahmen, Karl, and Lutter. 2,878,029.
- Feagin, Roy C., R. B. Sosman, and R. A. Horton, to Howe Sound Co.**  
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- Fear, James V. D.: See—**  
Shuman, Frank R., Jr., and Fear. 2,867,582.
- Fear, James V. D., to Sun Oil Co.**  
Improving color of lubricating oils and waxes. 2,890,963, 6-16-59, Cl. 208-27.
- Fear, James V., to Sun Oil Co.**  
Method for stabilizing lubricating oil. 2,908,638, 10-13-59, Cl. 208-264.
- Fear, James V. D., to Sun Oil Co.**  
Two-stage hydrogenation process for producing oxidation resistant lubricants. 2,915,452, 12-1-59, Cl. 208-57.
- Fear, James V. D., and F. R. Shuman, Jr., to Sun Oil Co.**  
Hydrocarbon conversion process. 2,908,423, 12-22-59, Cl. 208-96.
- Fearn Foods Inc.: See—**  
Walberer, William A. 2,917,768.
- Fearn, Ward O.**  
Wooden mouthpieces for brass wind musical instruments. 2,890,614, 6-16-59, Cl. 84-398.
- Fearon, Robert E.: See—**  
Silverman, Daniel, and Fearon. 2,889,000.
- Fearon, Robert E., to Electro Chemical Laboratories Corp.**  
Gelger counter systems. 2,886,713, 5-12-59, Cl. 250-83.6.
- Fearon, Robert E., to Electro Chemical Laboratories Corp.**  
Method and apparatus for electric well logging. 2,891,215, 8-16-59, Cl. 324-1.
- Fearon, Robert E., to Well Surveys, Inc.**  
Casing joint detector. 2,897,438, 7-28-59, Cl. 324-34.
- Fearon, Robert E., and J. M. Thayer, to Well Surveys, Inc.**  
Well logging by selective detection of neutrons. 2,884,534, 4-28-59, Cl. 250-83.6.
- Fearon, Robert E., and J. M. Thayer, to Well Surveys, Inc.**  
Directionally sensitive shallow ionization chambers for neutron well logging. 2,897,372, 7-28-59, Cl. 250-83.6.
- Fearon, Robert E., and J. M. Thayer, to Well Surveys, Inc.**  
Method and apparatus for measuring the direction sense of direction and energy of ionizing processes. 2,903,594, 9-8-59, Cl. 250-83.6.
- Feaster, Gene R.: See—**  
Miller, Carl F., Smart, and Feaster. 2,909,200.
- Feaster, John H.**  
Combination toothpick and stirring or eating implement. 2,877,547, 3-17-59, Cl. 30-1.
- Feather, Edmund E., to Prince-Smith & Stells Ltd.**  
Machine for twisting yarn. 2,912,815, 11-17-59, Cl. 57-66.
- Feathers, Lynn A., to Philco Corp.**  
Neutralized amplifier circuit. 2,882,351, 4-14-59, Cl. 179-171.
- Feathers, Robert E., and R. H. Rogerson, to Columbia Southern Chemical Corp.**  
Method for preparing perchloroethylene. 2,914,575, 11-24-59, Cl. 260-654.
- Featherston, Paul V.**  
Therapeutic device. 2,879,765, 3-31-59, Cl. 128-67.
- Featherstone, Ronald A., and W. E. Rise, to General Motors Corp.**  
Assembly machine. 2,908,066, 10-13-59, Cl. 29-25.19.
- Febco, Inc.: See—**  
Reinecke, Charles W. 2,882,006.
- Fedan, Sidney H., and N. J. Ely, to Koppers Co., Inc.**  
Blade assembly. 2,918,977, 12-29-59, Cl. 170-159.
- Fedde, George A., to Philco Corp.**  
Reduction of color contamination by pilot oscillator in beam registration system. 2,917,576, 12-15-59, Cl. 178-5.4.
- Fedderson, Harry A., to Union Carbide Corp.**  
Resinous mixtures containing vinyl chloride-octyl acrylate interpolymers and acrylonitrile-styrene copolymers. 2,889,308, 6-2-59, Cl. 260-45.5.
- Feder, Harold M., M. Ader, and L. E. Ross, to United States of America, Atomic Energy Commission.**  
Solvent extraction of uranium values. 2,872,285, 2-3-59, Cl. 23-14.5.
- Feder, Harold M., and R. L. Nuttall, to United States of America, Atomic Energy Commission.**  
Separation of plutonium from uranium. 2,917,382, 12-15-59, Cl. 75-84.1.
- Feder, Herbert S., to Bell Telephone Laboratories, Inc.**  
Potting of electrical apparatus. 2,882,505, 4-14-59, Cl. 336-96.
- Feder, Herbert S., to Bell Telephone Laboratories, Inc.**  
Magnetic frequency generator. 2,896,090, 7-21-59, Cl. 307-88.
- Federal Bearings Co., Inc.: See—**  
Recknagel, Frederick W. 2,867,455.
- Federal Carton Corp.: See—**  
McCormick, Frank. 2,884,181.  
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- Federal Chain Co.: See—**  
Jaeger, Adolf. 2,893,200.  
Jaeger, Adolf. 2,893,201.
- Federal Chemical Co.: See—**  
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- Federal Electric Products Co.: See—**  
Christensen, Paul M. 2,876,308.  
Christensen, Paul M. 2,883,586.  
Christensen, Paul M., and Cohen. 2,916,904.  
Goody, Robert B. 2,876,364.  
Kron, Eugene. 2,881,242.  
Norden, Alexander R. 2,885,654.  
Wills, Ervin E. 2,871,284.
- Federal Findings Co., Inc.: See—**  
Chlapinelli, Quirino, Jr. 2,867,022.
- Federal Hardware Products, Inc.: See—**  
Ditter, Francis J. 2,900,158.
- Federal Laboratories, Inc.: See—**  
Weinert, Carl R. 2,899,106.
- Federal Machine and Welder Co., The: See—**  
Allen, Peter W., and Cavender. 2,873,017.  
Deffenbaugh, James F., and Taylor. 2,912,564.  
Longfield, William F. 2,872,886.  
Longfield, William F. 2,896,457.  
Williams, Arthur L. 2,868,265.  
Williams, Arthur L., and Deffenbaugh. 2,908,803.
- Federal Mfg. & Engineering Corp.: See—**  
Weiser, Sidney. 2,874,913.
- Federal-Mogul-Bower Bearings, Inc.: See—**  
Bowen, Edward K. 2,879,114.  
Haynie, Robert N. 2,873,153.  
Haynie, Robert N. 2,883,845.  
Haynie, Robert N. 2,883,846.  
Johnson, Lloyd A., and Bowen. 2,871,037.  
Stephens, Clifford A., and McCandless. 2,889,163.  
Strickland, Silas A. 2,880,495.  
Ticknor, William C. 2,895,509.  
Wurtz, John W., and Bowker. 2,893,058.  
Wurtz, John W., and Wolff. 2,880,019.
- Federal Pacific Electric Co.: See—**  
Ballou, Richard P. 2,907,856.  
Christensen, Paul M. 2,872,548.  
Cole, Thomas M. 2,897,314.  
Cole, Thomas M. 2,907,840.  
Daley, Arthur G. 2,907,977.  
Pfister, William, and Norden. 2,916,181.  
Wiktor, Dominik. 2,876,309.
- Federal Paper Board Co., Inc.: See—**  
Arneson, Edwin L. 2,905,359.  
Arneson, Edwin L. 2,919,050.  
Arneson, Lawrence E. 2,875,565.  
Bothwell, William R. 2,889,771.  
Williamson, Marshall T. 2,901,157.
- Federal Premium Service, Inc.: See—**  
Emmert, George W. 2,871,489.  
Emmert, George W. 2,874,494.
- Federal Products Corp.: See—**  
Worrall, Walter L. 2,889,631.
- Federal Tool Corp.: See—**  
Emmert, George W., and Barr. 2,910,218.  
Emmert, George W., and Safanoff. 2,910,217.  
Olson, Raymond J., and Press. 2,917,783.
- Federated Industries Inc.: See—**  
Austin, Charles G., and Hartung. 2,908,503.
- Federgreen, Nathan, and D. G. Jordan, to American Cyanamid Co.**  
Continuous separation of mercury-containing sulfuric acid from organic liquids. 2,900,078, 8-18-59, Cl. 210-83.
- Federici, Edmondo.**  
Device for locating the transverse rotation axis of the human jaw. 2,874,469, 2-24-59, Cl. 32-20.
- Federighi, George J.**  
Drying agent dispenser for use with a dishwashing machine. 2,895,646, 7-21-59, Cl. 222-181.
- Federighi, George J., and T. H. Noren.**  
Rotary spray arm for a cleaning machine. 2,905,393, 9-22-59, Cl. 239-110.
- Federighi, George J., and T. H. Noren.**  
Pressurized device for injecting drying agent into rinse spray system. 2,910,075, 10-27-59, Cl. 134-56.
- Federkiel, Wilhelm: See—**  
Anton, Ernst, Eisele, and Federkiel. 2,911,417.  
Baumann, Hans, Arnemann, Eisele, and Federkiel. 2,913,303.  
Maier, Karl, Eisele, and Federkiel. 2,913,465.
- Federman, John L.: See—**  
Baum, William E., and Federman. 2,912,360.
- Federn, Klaus, and H. Hack, to Carl Schenck Maschinenfabrik G. m. b. H.**  
Means for the electric indication of unbalance in rotors. Re. 2,4620, 3-10-59, Cl. 73-463.



- Fedeson, Benjamin. Disc socket wrench. 2,898,793, 8-11-59, Cl. 81-121.
- Fedevich, Joseph J. Loop fabric stitching machine. 2,889,791, 6-9-59, Cl. 112-79.
- Fedirko, Samuel. See—
- Owen, John J., and Fedirko. 2,872,383.
- Fedit, René, to Les Vaporisateurs Marcel Frank S.A. Atomizers, in particular perfume atomizers. 2,888,208, 5-26-59, Cl. 239-308.
- Fedorchak, William J., R. L. Early, and J. W. Johnsee, to Owens-Illinois Glass Co. Inspection of glassware by radiation. 2,868,061, 1-13-59, Cl. 88-14.
- Fedorko, George, to Air Products Inc. Recovery of argon from an oxygen containing crude argon mixture. 2,909,410, 10-20-59, Cl. 23-209.
- Fedotowsky, Leonid, and H. W. Marsh, to Sprague Electric Co. Silicon junction diode. 2,906,932, 9-29-59, Cl. 317-240.
- Fedrowich, Peter. Salvage device. 2,887,080, 5-19-59, Cl. 114-54.
- Fee, Melvin E. Cutting torch tip construction. 2,897,884, 8-4-59, Cl. 158-274.
- Feedmatic Inc. See—
- Lupo, Fritz J., 2,889,075.
- Feezel, Lida M. See—
- Feezel, James R. and L. M. 2,885,695.
- Fefer, Gregory, D. W. Rudorff, and M. G. Seed, to Sparcatron Ltd. Electric disintegration of conductive materials. 2,876,386, 3-3-59, Cl. 315-170.
- Fegely, Harris V., to The Monarch Cement Co. Material crushing and sizing means cooperable with reciprocating conveyor. 2,885,157, 5-5-59, Cl. 241-262.
- Fegely, Hugh S., and H. W. Van Ness, to Westinghouse Electric Corp. Multiple fault indicating system. 2,900,628, 8-18-59, Cl. 340-213.
- Feger, George, to The Regents of the University of California. Method for measuring magnetic susceptibilities. 2,878,444, 3-17-59, Cl. 324-3.
- Fehling, Hans R., to D. C. B. Ltd. Writing instruments of the ball tip type. 2,891,511, 6-23-59, Cl. 120-424.
- Fehling, Hans R., and E. A. Wicks, to Compania Uruguaya de Fomento Industrial S.A. Method for the production of ball tip writing instruments. 2,879,586, 3-31-59, Cl. 29-441.
- Fehn, Frank P., to E. W. Bliss Co. Control circuit for torque transmitting mechanism. 2,912,606, 11-10-59, Cl. 310-98.
- Fehn, Frank P., Sr. See—
- Crane, Edward V., Curtner, and Fehn. 2,911,080.
- Fehr, Henri, to Societe Anonyme dite: Compagnie de Construction Mecanique Procédes Sulzer. Change-speed device. 2,867,127, 1-6-59, Cl. 74-378.
- Fehring, Wendell B., to Boeing Airplane Co. Airflow deflector for tail gun turrets. 2,915,948, 12-8-59, Cl. 89-375.
- Felbelman, Hans J., to Coro of Rhode Island, Inc. Bead converter. 2,867,052, 1-6-59, Cl. 41-10.
- Felbelman, Walter A. See—
- Sternglass, Ernest J., and Felbelman. 2,898,499.
- Felbelman, Walter A., and R. C. Ohlmann, to United States of America, Air Force. Freely supported retina. 2,888,372, 5-26-59, Cl. 117-211.
- Feichtinger, Hans, and S. Püschhof, to Ruhrchemie Akt. 1,3-disubstituted derivatives of 4,5,6,7,10,10-hexachloro-4,7-endomethylene-4,7,8,9-tetrahydrophthalane. 2,879,275, 3-24-59, Cl. 260-346.2.
- Feichtinger, Hans, and S. Püschhof, to Ruhrchemie Akt. 1-ethers, thioethers and esters of 4,5,6,7,10,10-hexachloro-4,7-methylene-4,7,8,9-tetrahydrophthalane. 2,881,187, 4-7-59, Cl. 260-346.2.
- Feichtinger, Hans, and S. Püschhof, to Ruhrchemie Akt. Recovery of colorless aqueous solutions of aminosulfonic acids. 2,881,207, 4-7-59, Cl. 260-513.
- Feichtinger, Hans, and H. W. Linden, to Ruhrchemie Akt. Chlorinated 4,5,6,7-tetrachloro-4,7-endoxo-4,7,8,9-tetrahydrophthalane insecticides. 2,882,199, 4-14-59, Cl. 167-33.
- Feick, George III. See—
- Hyde, Richard W., and Feick. 2,902,345.
- Feler, Milton. See—
- Ritter, Jay S., Feler, and Pantzer. 2,898,913.
- Felertag, Karl M., and H. M. Stephenson, to General Electric Co. Magnetic particle clutch with briquette clutch member. 2,872,001, 2-3-59, Cl. 192-215.
- Felge, Harry. See—
- Leaman, Raymond J., and Feige. 2,883,032.
- Leaman, Raymond J., and Feige. 2,888,126.
- Felghner, George C., to Continental Oil Co. Transalkylation of aromatic hydrocarbons. 2,914,580, 11-24-59, Cl. 260-671.
- Feigley, David A., Jr., to Armstrong Cork Co. Method of improving color in phenol-aldehyde resins by adding a reducing sugar thereto and product obtained. 2,868,743, 1-13-59, Cl. 260-17.2.
- Feigley, David A., Jr., to Armstrong Cork Co. Beater saturated sheets having increased strength. 2,868,641, 1-13-59, Cl. 92-21.
- Feigley, David A., Jr., to Armstrong Cork Co. Asbestos-backed plastic surface covering. 2,880,090, 3-31-59, Cl. 92-3.
- Feigley, David A., Jr., and L. V. Hassel, to Armstrong Cork Co. Decorative felted fibrous sheet. 2,903,583, 9-22-59, Cl. 162-134.
- Feigley, David A., Jr., and J. A. Parker, to Armstrong Cork Co. Resinous products. 2,914,494, 11-24-59, Cl. 260-9.
- Fell, George W., Jr., to International Harvester Co. Vehicle cab mounting employing pivoted leaf spring. 2,885,243, 5-5-59, Cl. 296-35.
- Fell, George W., Jr., to International Harvester Co. Motor vehicle exhaust muffler support means. 2,912,198, 11-10-59, Cl. 248-54.
- Fell, Vernon J. See—
- Allen, Robert E., Palopoli, Schumann, Day, and Fell. 2,891,957.
- Fellbach, Donald J. See—
- Thomas, Richard J., and Fellbach. 2,916,312.
- Felliden, Geoffrey B. R., to Ruston & Hornsby Ltd. Pressure chargers for internal combustion engines. 2,881,972, 4-14-59, Cl. 230-116.
- Fell, Martin L. See—
- Wells, Percy A., Filachione, and Fell. 2,886,401.
- Fell, Martin L., and E. M. Filachione, to United States of America, Agriculture. Process of tanning hides with polymethoxyaldehyde compounds and optionally vegetable tanning. 2,880,053, 3-31-59, Cl. 8-94.21.
- Fellberg, Albert E., to Advance Transformer Co. Apparatus for igniting and operating gaseous discharge devices. 2,883,581, 4-21-59, Cl. 315-138.
- Fellberg, Albert E., Ballast and lighting system for fluorescent lamps. 2,900,577, 8-18-59, Cl. 315-257.
- Fellberg, Albert E., and P. S. Endo, to Advance Transformer Co. Method of manufacturing a transformer core construction. 2,892,249, 6-30-59, Cl. 29-155.61.
- Feiner, Albert. See—
- Pope, William T., and Feiner. 2,892,942.
- Feiner, Alexander, to Bell Telephone Laboratories, Inc. Electrical information system. 2,892,037, 6-23-59, Cl. 179-18.
- Feiner, Hans. See—
- Dekker, Jan M. D., and Feiner. 2,881,262.
- Feinlieb, Morris, H. T. Francis, and W. H. Graff, to United States of America, Army. Reserve type rapid discharge primary cell. 2,902,531, 9-1-59, Cl. 136-90.
- Feinstein, Lester, to Sylvania Electric Products Inc. Filamentary stacked triode. 2,898,503, 8-4-59, Cl. 313-238.
- Feinstone, Wolfe H. Sulfonamide composition comprising a lipid-aqueous emulsion carrier. 2,867,565, 1-6-59, Cl. 167-51.5.
- Fels, Nikolaas, to Instituut voor Tuinbouwtechniek. Device for atomizing liquids. 2,884,204, 4-28-59, Cl. 239-406.
- Feissel, Henri G., to Compagnie des Machines Bull (Societe Anonyme). Impulse circulation comparison device for two whole numbers. 2,876,433, 3-3-59, Cl. 340-149.
- Felt, Aloysius J. See—
- Weisberg, Sydney R., and Felt. 2,868,247.
- Felt, Rudolph, to Walde Kohlnoor, Inc. Slide fastener manufacture by a cutting and punching operation. 2,868,288, 1-13-59, Cl. 164-14.
- Felbeck, George T., to Union Carbide Corp. Strata mining-adjacent seam hardness indicator. 2,878,000, 3-17-59, Cl. 262-7.
- Felber, John. See—
- Shuttleworth, Vernis K., and Felber. 2,877,613.
- Felber, John, to American Can Co. Carrying device for juxtaposed containers. 2,892,654, 6-30-59, Cl. 294-87.2.
- Felberg, Robert S., and J. R. Gould, to Thiokol Chemical Corp. Rocket fuel and fuel additive. 2,900,788, 8-25-59, Cl. 60-35.4.
- Felburn, John P. See—
- Fellabaum, John P. 2,885,217.
- Fellabaum, John P. 2,888,268.
- Fellabaum, John P. 2,902,293.
- Feld, Heinrich, and W. Lapp, deceased, by G. Lapp, heir and legal representative. Planing, shaping or the like machines. 2,880,653, 4-7-59, Cl. 90-55.
- Felder, Harry H., to Bell Telephone Laboratories, Inc. Echo suppressor circuits. 2,885,493, 5-5-59, Cl. 179-170.8.
- Felder, John L. Surface covering unit. 2,916,908, 12-15-59, Cl. 72-18.
- Feldhake, Herbert J. Demonstrator for the formula for the surface of a sphere. 2,872,743, 2-10-59, Cl. 35-34.
- Feldhake, Herbert J. Device for physically demonstrating the pythagorean theorem. 2,885,795, 5-12-59, Cl. 35-34.
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- Feldhake, Herbert J. Mathematical formula demonstrator. 2,902,777, 9-8-59, Cl. 35-34.
- Feldhake, Herbert J. Mathematical formula demonstrator. 2,902,778, 9-8-59, Cl. 35-34.
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- Jacobsen, Bent B., and Feldhusen. 2,877,409.
- Feldman, Abraham G., to Storkline Furniture Corp. Crib spring construction. 2,895,144, 7-21-59, Cl. 5-207.
- Feldman, Albert W. See—
- Smith, Allen E., and Feldman. 2,893,855.
- Feldman, Arthur. See—
- Bangert, James G., and Feldman. 2,901,355.
- Feldman, Carl B. H. See—
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- Feo, Edmond G., Feldman, and Goetz. 2,895,829.
- Feldman, Herman, and M. Sama. Tool handle. 2,870,809, 1-27-59, Cl. 145-61.

- Feldman, Irving. See—
- Caster, Irving, and Feldman. 2,889,104.
- Feldman, Jacob R., to General Foods Corp. Food process. 2,875,063, 2-24-59, Cl. 99-71.
- Feldman, Samuel. Adjustable cap. 2,889,558, 6-9-59, Cl. 2-183.
- Feldman, Samuel. Fisherman's cap construction. 2,908,012, 10-13-59, Cl. 2-200.
- Feldmann, Paul, to Dan River Mills, Inc. Detergent composition. 2,876,201, 3-3-59, Cl. 252-152.
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- Felgate, Jack, to Donald Trist & Co. Ltd. Valve structure. 2,893,427, 7-7-59, Cl. 137-620.
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- Felker, Jean H., to Bell Telephone Laboratories, Inc. Transistor pulse transmission circuits. 2,883,572, 5-5-59, Cl. 307-88.5.
- Felker, Maurice H., to Scott & Williams, Inc. Circular rib knitting machine. 2,903,871, 9-15-59, Cl. 66-157.
- Fell, Eric T., to Stevensons (Dyers) Ltd. Permonosulfuric acid for bleaching synthetic polymer textiles. 2,882,121, 4-14-59, Cl. 8-111.
- Fellabaum, John P., now by change of name J. P. Felburn. Shock-absorbing vehicle suspension. 2,885,217, 5-5-59, Cl. 280-86.
- Fellabaum, John P., now by judicial change of name J. P. Felburn. Wheel suspensions for trailers. 2,888,268, 5-26-59, Cl. 280-104.5.
- Fellabaum, John P., now by change of name John P. Felburn. Transportation vehicle. 2,902,293, 9-1-59, Cl. 280-426.
- Feller, Arthur G., to N. Ostermeyer. Portable lavatory. 2,898,606, 8-11-59, Cl. 4-166.
- Feller, Arthur G., and A. W. Crow. Captive closure. 2,868,422, 1-13-59, Cl. 222-521.
- Feller, Morris, to Standard Oil Co. Maintenance of catalyst activity using methyl chloride. 2,880,168, 3-31-59, Cl. 208-140.
- Feller, Morris, and E. Field, to Standard Oil Co. Catalytic process. 2,880,200, 3-31-59, Cl. 260-94.9.
- Fellers, Carl R., and W. A. Zachowski, to Blue Channel Corp. Preventing struvite formation in thermally treated seafoods. 2,870,925, 1-20-59, Cl. 99-188.
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- Bibolet, Aubert H., Brown, Fellmann, and Richter. 2,914,376.
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- Spracklen, Stanford B., Campbell, and Fellows. 2,876,189.
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- Felt, David C. See—
- Nestlerode, Clifford D., and Felt. 2,911,530.
- Felt, Melvin F. See—
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- Felter, John V. Seamed pipe of sheet material. 2,915,088, 12-1-59, Cl. 138-75.
- Felter, Richard H. Liquid or cream applicator tops for containers. 2,913,748, 11-24-59, Cl. 15-139.
- Felton, William. Cutting devices for cutting continuous lengths of yarn or thread. 2,868,290, 1-13-59, Cl. 164-53.
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- Felts, Basil B. Depressible steering construction for automotive vehicles. 2,901,920, 9-1-59, Cl. 74-493.
- Felts, Donald E. See—
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- Felts, Herman. See—
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- Fener, Alfred, to N. Langer. Sealing member for heat sealing machines. 2,904,100, 9-15-59, Cl. 154-42.
- Fener, Alfred, to N. Langer. Duplex heat sealing machine. 2,918,106, 12-22-59, Cl. 154-42.
- Fenerty, Michael J., to Aluminium Laboratories Ltd. Purification of alumina. 2,887,361, 5-19-59, Cl. 23-142.
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- Fennell, Alfred T. Car jacking device. 2,917,321, 12-15-59, Cl. 280-150.
- Fennell, Anthony A. Heat exchanger. 2,874,943, 2-24-59, Cl. 257-262.15.
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- Fritze, Marvin E., and Smith. 2,884,745.
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- Fenner, Robert M., and D. E. Hamilton. Tension adjustments for trampolines. 2,869,147, 1-20-59, Cl. 5-202.
- Fenske, Douglas H., to International Minerals & Chemical Corp. Flotation of mica from silt deposits. 2,885,078, 5-5-59, Cl. 260-166.
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- Fenske, Merrell R., and R. H. Criswell, to Esso Research and Engineering Co. Heat transfer to beds of granular solids. 2,899,375, 8-11-59, Cl. 208-48.
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- Fenston, William M. Anti-tilt vehicle axle drive. 2,894,594, 7-14-59, Cl. 180-82.
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- Fentiman, Harold G. See—
- Fentiman, Arthur E. 2,916,109.
- Fentner, Ralph E. See—
- Lundquist, Birger H., and Fentner. 2,889,598.



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- Fenton, Edward N.: See—  
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- Fenton, Russell S. Collapsible doll house construction. 2,872,753, 2-10-59, Cl. 46-12.
- Fenwal Laboratories, Inc.: See—  
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- Fenway Machine Co., Inc.: See—  
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- Fenwel Inc.: See—  
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- Fenyo, Paul J. Mirror and adjustable support therefor. 2,880,651, 4-7-59, Cl. 88-97.
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- Ferdinand, Irwin J.: See—  
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- Ferdinand, Irwin J., and M. E. Handler, to S. A. Hirsh Mfg. Co. Shelf molding and sign. 2,895,241, 7-21-59, Cl. 40-16.
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- Ferguson, Hector C., to Allis-Chalmers Mfg. Co. Cotton stripping device for cotton harvesters. 2,901,876, 9-1-59, Cl. 56-42.
- Fergus, Edward S., to Robertshaw-Fulton Controls Co. Snap acting switch. 2,897,308, 7-28-59, Cl. 200-67.
- Fergus, John H., and A. W. Horton, to United States of America, Army. Flash and noise suppressor for high pressure gas exhausts. 2,900,875, 8-25-59, Cl. 89-14.
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- Ferguson, D. C., 37 1/2% to R. W. Rider and 25% to R. L. Windham. Ramp device. 2,900,094, 8-18-59, Cl. 214-85.
- Ferguson, Donald M., to United States of America, Air Force. High altitude balloon for meteorological use. 2,886,263, 5-12-59, Cl. 244-31.
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- Ferguson, Eli K., Jr.: See—  
Ferguson, Reed C., G. A., and E. K. 2,915,110.
- Ferguson Equipment Corp.: See—  
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- Ferguson Fumigants, Inc.: See—  
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- Ferguson, Gilbert, Jr.: See—  
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- Ferguson, Gordon A.: See—  
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- Ferguson, Harold W., to The Stanley Works. Hydraulic door operators. 2,911,210, 11-3-59, Cl. 268-66.
- Ferguson, Harry D., Jr., to Philco Corp. Heaters. 2,870,346, 1-20-59, Cl. 219-37.
- Ferguson, Harry, of India Ltd.: See—  
Boyd-Brent, Peter. 2,871,956.
- Ferguson, Harry, Research Ltd.: See—  
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- Ferguson, Henry A., J. F. Ziskal, and J. A. Isaacson, to International Harvester Co. Tractor transmission and power take-off system. 2,913,064, 11-17-59, Cl. 180-53.
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- Ferguson, John H., Jr., to Bendix Aviation Corp. Air pressure regulating and shut-off valve. 2,918,929, 12-29-59, Cl. 137-18.
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- Ferguson, John M.: See—  
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- Ferguson, John S.: See—  
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- Ferguson, Joseph V., II, and W. S. Fire bale prevention. 2,892,396, 6-30-59, Cl. 100-35.
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- Ferguson, Maurice P., to Symak Sales Co. Ltd. Convertible snow boot and over boot. 2,901,840, 9-1-59, Cl. 36-2.5.
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- Ferguson, Paul R., to The Stanley Works. Hydraulic door check. 2,890,474, 6-16-59, Cl. 16-55.
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- Ferguson, Reed C., G. A., and E. K., Jr. Joint-sealing strip and method of manufacture. 2,915,110, 12-1-59, Cl. 154-33.1.
- Ferguson, Richard: See—  
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- Ferguson, Richard, to The Terrell Machine Co. Bobbin inspecting device. 2,868,372, 1-13-59, Cl. 209-72.
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- Ferguson, Robert B.: See—  
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- Ferguson, Robert E. Router plane. 2,903,030, 9-8-59, Cl. 145-10.
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- Ferguson, Syri K., to United States of America, Army. Electronic message timing circuit. 2,880,320, 3-31-59, Cl. 250-27.
- Ferguson, Vernon E. Fire extinguishing release valve. 2,910,082, 10-27-59, Cl. 137-68.
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- Fermanian, Armen, to Sprague Electric Co. Transistor sub-assembly. 2,894,153, 7-7-59, Cl. 317-235.
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- Fernandez, Carmel G. Self-propelled tandem wheeled carrier. 2,869,661, 1-20-59, Cl. 180-19.
- Fernandez, Frank C. Protective hood. 2,896,215, 7-28-59, Cl. 2-8.
- Fernandez, John J., 1/2 to J. S. Renard. Fluid pressure regulating valve. 2,899,975, 8-18-59, Cl. 137-543.17.
- Fernandez, Manuel G. Holding unit for an elastic tensioner. 2,907,289, 10-6-59, Cl. 112-2.
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- Fernberg, Eric B., to F. T. Products Ltd. Fasteners. 2,918,712, 12-29-59, Cl. 24-73.
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- Fernsten, Argyle L. and C. D., to The Noll Mfg. Co. Cap assembly. 2,890,642, 6-16-59, Cl. 98-46.
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- Fernstrum, Frank O., to Marine Products Co. Sump pump. 2,875,697, 3-3-59, Cl. 103-103.
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- Ferrand, Marcel. Method of manufacturing abrasive surfaces by electro formation and the products obtained thereby. 2,878,171, 3-17-59, Cl. 204-16.
- Ferrante, Vincent J.: See—  
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- Ferrara, Achille K., to Productive Equipment Co. Vibrating equipment. 2,902,868, 9-8-59, Cl. 74-87.
- Ferrara, John M.: See—  
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- Ferrara, Peter B.: See—  
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- Ferrara, Vincent. Filter sweep agitator. 2,880,874, 4-7-59, Cl. 210-272.
- Ferrari, Andrea, Jr.: See—  
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- Ferreira, Fred R., to Morse-Starrett Products Co. Squeegee holding clamp. 2,905,959, 9-29-59, Cl. 15-245.
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- Ferrel, Ziba A.: See—  
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- Ferrell, William G., and R. R. Zindler, to Lambert Brake Corp. Bi-metallic housing construction for friction devices. 2,910,148, 10-27-59, Cl. 188-218.
- Ferrera, John. Extensible trailer. 2,898,143, 8-4-59, Cl. 296-23.
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- Ferri, Antonio, P. A. Libby, and M. H. Bloom, to United States of America, Air Force. Water spray cooling method and apparatus for supersonic nozzle. 2,892,308, 6-30-59, Cl. 60-35.6.
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- Ferris, Donald E. Method for producing hypochlorite of soda in an electronic cell. 2,873,236, 2-10-59, Cl. 204-95.
- Ferris, Ernest A.: See—  
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- Ferris, Ernest A., and B. A. Fulton, to Borg-Warner Corp. One-way clutch. 2,917,145, 12-15-59, Cl. 192-45.1.
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- Ferris, James E.: See—  
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- Ferris, Richard D., to The Albright-Nell Co. Cutter assembly for meat grinders. 2,914,103, 11-24-59, Cl. 146-182.

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- Ferris, Seymour W.: See—  
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- Ferro Chemical Corp.: See—  
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- Ferrotherm Co.: See—  
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- Ferstrandig, Louis L., to California Research Corp. Separation of isomeric xylylene diamines. 2,884,457, 4-28-59, Cl. 260-570.9.
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- Ferwerda, Koop: See—  
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- Fetterman, Jay V., to Air Products Inc. Separation of gaseous mixtures. 2,881,595, 4-14-59, Cl. 62-13.
- Fetterolf, Luther D., to The New Jersey Zinc Co. Production of finely-divided silicon dioxide. 2,912,342, 11-10-59, Cl. 106-288.
- Fettes, Edward M.: See—  
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- Fettes, Edward M., and E. R. Bertozzi, to Thiokol Chemical Corp. Production of polysulfide polymers. 2,875,182, 2-24-59, Cl. 260-79.
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- Feuerborn, Fritz. Interlay for plywood sheets used for doors, and the like. 2,889,594, 6-9-59, Cl. 20-91.
- Feuge, Reuben O.: See—  
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- Feuge, Reuben O., and T. L. Ward, to United States of America, Agriculture. Process for making fatty acid diglyceride, diesters of dibasic acids. 2,874,175, 2-17-59, Cl. 260-404.8.
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- Feustel, Ernest A. Combined yarn carrier and tension device. 2,880,601, 4-7-59, Cl. 66-120.



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- Few, William, to Penn Controls, Inc. Float linkage for air charger. 2,918,932, 12-29-59, Cl. 137-211.
- Fewster, James, to Fewsters (Stockfield) Ltd. Tipping carrier for attachment to a tractor or similar vehicle. 2,898,148, 8-4-59, Cl. 298-17.
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- Fex, Hans J.: See—  
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- Ficarella, Leo A. Combination storage cabinet and drafting board. 2,897,030, 7-28-59, Cl. 311-18.5.
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- Fiedler, Willy A., to United States of America, Navy. Jet deflector. 2,903,851, 9-15-59, Cl. 60-35.54.
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- Fineman, Manuel N., and C. G. Gebelein, to Rohm & Haas Co. Liquid detergent composition. 2,913,416, 11-17-59, Cl. 252-109.
- Finestone, Arnold B., to Westinghouse Electric Corp. Catalysts for glycidyl polyethers and products produced thereby. 2,871,222, 1-27-59, Cl. 260-47.
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- Fink, Heinrich, to SKF Kugellagerfabriken G. m. b. H. Mounting for a spindle base of a spinning and twisting spindle in a textile machine. 2,872,774, 2-10-59, Cl. 57-129.
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- Fink, James E., to Allis-Chalmers Mfg. Co. Screening device. 2,914,175, 11-24-59, Cl. 209-269.
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- Fink, Leroy M., to The Babcock & Wilcox Co. Radiant steam generating unit with tubular furnace division wall sections spaced apart to form a gap aligned with the hopper bottom throat. 2,918,910, 12-29-59, Cl. 122-478.
- Fink, Lyman R., and E. O. Peterson, to General Electric Co. Combination television cabinet and picture tube mounting. 2,884,626, 4-28-59, Cl. 340-367.
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- Finlayson, Frank E., to General Electric Co. Thermostatically controlled flatiron. 2,901,584, 8-25-59, Cl. 219-25.
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- Finn, Sidney J., to United Shoe Machinery Corp. Heel and shank lasting machines. 2,869,153, 1-20-59, Cl. 12-8.5.

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- Finn, Stephen M., to Foster Wheeler Corp. Motion transmitting device. 2,917,147, 12-15-59, Cl. 192-150.
- Finn, William J., to Texaco Inc. Railroad journal bearing. 2,897,019, 7-28-59, Cl. 308-79.1.
- Finneburgh, Lewis H., Jr. Selective multiple channel TV antennas. 2,897,497, 7-28-59, Cl. 343-819.
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- Firma Union Sila Van De Loo & Co.: See—  
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- Firma Walther & Cie. Akt.: See—  
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- Firma Wilhelm Schroeder: See—  
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- Firmenich, Klaus, to North American Phillips Co., Inc. Circuit arrangement for producing adjustable reference lines on the picture screens of cathode-ray tubes simultaneously with the curve of a phenomenon. 2,901,664, 8-25-59, Cl. 315-22.
- Firnhaber, Miles S., to Sealtite Insulation Mfg. Corp. Apparatus for manufacturing mineral wool and the like. 2,896,256, 7-29-59, Cl. 18-23.
- Firnhaber, Miles S., and E. J. Nygren, to Sealtite Insulation Mfg. Corp. Apparatus for manufacturing glass fibers. 2,874,406, 2-24-59, Cl. 18-25.
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- First Bank of Grantsburgh, The: See—  
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- First National Bank of Philadelphia, The: See—  
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- First Spice Mfg. Corp.: See—  
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- First State Bank of Denton: See—  
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- Firth, Arthur: See—  
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- Firth, Arthur J., to The Colchester Lathe Co. Ltd. Machine tool feed mechanism. 2,885,901, 5-12-59, Cl. 74-405.
- Firth Brown Tools Ltd.: See—  
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- Firth Carpet Co., Inc. The: See—  
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- Firth, David, to Dodge Mfg. Corp. Locking split spring collar arrangements. 2,886,356, 5-12-59, Cl. 287-52.8.
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- Firth-Vickers Stainless Steels Ltd.: See—  
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- Fisch, Edwin J.: See—  
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- Fisch, Paul: See—  
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- Fisch, Willy, to Ciba Ltd. Composition comprising a reaction product of a polyester and a polyepoxide and process for preparation. 2,891,034, 6-16-59, Cl. 260-45.4.
- Fischbein, Dave, Co.: See—  
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- Fischer, Albert M., to Davenport Machine and Foundry Co. Drum dryer feed distribution apparatus. 2,903,054, 9-8-59, Cl. 159-43.
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- Fischer, Anthony J., to Doir-Oliver Inc. Combination flotation-settling unit. 2,888,139, 5-26-59, Cl. 210-221.
- Fischer, Arthur H., to Minnerce Corp. Froth flotation of copper sulfide ores. 2,901,107, 8-25-59, Cl. 209-166.
- Fischer, Arthur. Flash bulb unit. 2,876,357, 3-3-59, Cl. 240-13.
- Fischer, Carl M., to A. C. Migeot. Fog light converter for headlights. 2,904,672, 9-15-59, Cl. 240-46.15.
- Fischer, Charles F., to Colgate-Palmolive Co. Spray drying apparatus. 2,891,611, 6-23-59, Cl. 159-4.
- Fischer, Cecil, and A. Kaffo. Retaining and signaling means for slide fasteners. 2,886,825, 5-19-59, Cl. 2-234.
- Fischer, Curtis, Hurdle. 2,878,018, 3-17-59, Cl. 272-59.
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- Fischer, Edwin L., and C. E. White, 75% to D. V. Cole. Lifting and transporting device. 2,908,916, 10-20-59, Cl. 5-86.
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- Fischer, Eugen. Method for determining the position of the core of a body consisting of a core and a mantle. 2,898,550, 8-4-59, Cl. 324-61.
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- Fischer, Herbert, to Ruhr Intrans Hubstapler G.m.b.H. Clamping device for industrial trucks. 2,896,994, 7-28-59, Cl. 294-63.
- Fischer, Herbert C., to National Fibre Glass Co., Inc. Manufacture of fiber glass web expanded from unidirectional fiber glass mat, and articles made therefrom. 2,884,010, 4-28-59, Cl. 138-76.
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- Fischer, John J.: See—  
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- Fischer, John J., to The Patterson-Kelley Co., Inc. Blending mill agitator and additive feed. 2,908,487, 10-13-59, Cl. 259-25.
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- Fischer, Paul E.: See—  
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- Fischer, Paul W., to Union Oil Co. of California. Method of gas purification utilizing an amine solution and an anti-corrosion agent. 2,869,978, 1-20-59, Cl. 23-3.
- Fischer, Paul W., V. Kenny, and J. W. Scheffel, to Union Oil Co. of California. Bituminous sand process. 2,903,407, 9-8-59, Cl. 208-11.
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- Fischer, Richard A., to The Garrett Corp. Cabin pressure control mechanism. 2,873,661, 2-17-59, Cl. 98-1.5.
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- Fischer, Rudolph F., and C. W. Smith, to Shell Development Co. Production of polyols. 2,888,492, 5-26-59, Cl. 260-635.
- Fischer, Rudolph F., and T. F. Mika, to Shell Development Co. Aldehyde polyerythritol polymers. 2,895,945, 7-21-59, Cl. 260-67.
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- Fischer, Walter, to Getreidehocken A. G. Container and closure for the same. 2,868,435, 1-13-59, Cl. 229-46.
- Fischer, Wilbur E. Component mounting clamp. 2,896,295, 7-28-59, Cl. 24-263.
- Fischer, Wilbur E.: See—  
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- Young, David W., and Fischer. 2,881,151.
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- Fischrupp, Clarence R.: See—  
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- Fiser, William D., to The Texas Co. Oil phase antifreeze inhibitor. 2,886,531, 5-12-59, Cl. 252-75.
- Fish, Benjamin. Drapery hook applier. 2,910,699, 11-3-59, Cl. 1-47.
- Fish Engineering Corp., The: See—  
Dangberty, Robert A. 2,916,103.
- Fish, Herbert L. Torque meter. 2,909,055, 10-20-59, Cl. 73-1.
- Fish, James L., and J. H. Hydraulic rise. 2,869,434, 1-20-59, Cl. 90-60.
- Fish, John H.: See—  
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- Fish, William G. Ceramic tile fireplace. 2,875,747, 3-3-59, Cl. 126-127.
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- Fisher, Arnold J. Moisture-free bag. 2,913,030, 11-17-59, Cl. 150-52.
- Fisher, Arthur F. Scraper. 2,895,217, 7-21-59, Cl. 30-169.
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- Fisher, Bernard C., to Neutronic Development Corp. Sparking device. 2,913,608, 11-17-59, Cl. 313-11.5.
- Fisher, Charles H. Portable barbecue. 2,900,897, 8-25-59, Cl. 99-340.
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- Fisher, Constance M.: See—  
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- Fisher, Edward I.: See—  
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- Fisher, Elwyn D., to Purolator Products, Inc. Aluminum filters and method of production. 2,876,097, 3-3-59, Cl. 75-223.
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Robbins, Dewey H. 2,884,327.
- Fisher, Frank. Geometrical instrument and/or drafting aid. 2,906,023, 9-29-59, Cl. 33-1.
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- Irwin, Donald W. 2,895,501.
- Rich, Herbert G. 2,877,591.
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- Fisher, Hardin Y., to Controls Co. of America. Overcenter snap acting mechanism. 2,892,050, 6-23-59, Cl. 200-68.
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- Fisher, James L., and J. N. Hilderbrand, to Century Geophysical Corp. Magnetic-brush developer. 2,904,000, 9-15-59, Cl. 118-637.
- Fisher, James T., to B. & C. Metal Stamping Co. Meter box. 2,907,927, 10-6-59, Cl. 317-109.
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Grady, Dennis, Bates, and Fisher. 2,872,331.
- Fisher, James W., E. J. Kowolik, and C. W. Stone, to British Celanese Ltd. Process for producing acrylonitrile copolymers containing free amine groups, a copolymer obtained thereby, and textile material containing fibers of said copolymer. 2,917,474, 12-15-59, Cl. 260-8.
- Fisher, John, and N. P. Darash, to The Warner & Swasey Co. Weft selecting mechanism for weaving machine. 2,884,014, 4-28-59, Cl. 139-125.
- Fisher, John C. Liquid pump. 2,898,858, 8-11-59, Cl. 103-1.
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- Fisher, John V., deceased; C. M. Fisher, administratrix. Apparatus for forming multiple container packages. 2,892,298, 6-30-59, Cl. 53-134.
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- Fisher, Joseph C., Jr., to Union Carbide Corp. Oxidation resistant graphite and method for making the same. 2,897,102, 7-28-59, Cl. 117-169.
- Fisher, Joseph R.: See—
- Hornickel, Robert R., and Fisher. 2,879,513.
- Fisher, Joseph R., to Mine Safety Appliances Co. Protective headgear and lining suspensions. 2,870,445, 1-27-59, Cl. 2-3.
- Fisher, Joseph R., and M. D. Rigerink, to Bell Telephone Laboratories, Inc. Formation of expanded silica spheres. 2,883,347, 4-21-59, Cl. 252-502.
- Fisher, Lawrence E., to General Electric Co. Distribution system. 2,906,811, 9-29-59, Cl. 174-99.
- Fisher, Mark E.: See—
- Christenson, Howard W., MacI, and Fisher. 2,912,884.
- Fisher, Milton W.: See—
- Barnes, John L., and Fisher. 2,906,506.
- Fisher, Philip A., to Magnesium Elektron Ltd. Device for use in making nodular cast iron. 2,872,179, 2-3-59, Cl. 266-34.
- Fisher-Price Toys, Inc.: See—
- Crawford, Ralph W. 2,883,793.
- Doe, Walter P., and Sly. 2,908,998.
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- Maerke, George P. 2,876,420.
- Fisher, Raoul C., to Head Wrightson Processes Ltd. Separation of components from a fluid mixture. 2,885,356, 5-5-59, Cl. 208-361.
- Fisher, Richard A.: See—
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- Bronstien, Edward L., Jr., and Fisher. 2,913,736.
- Fisher, Richard A., to The United States Bedding Co. Sofa bed. 2,910,706, 11-3-59, Cl. 5-55.
- Fisher, Richard G.: See—
- Angel, Arthur M., and Fisher. 2,877,012.
- Fisher, Robert A., to Olin Mathieson Chemical Corp. Extraction of vitamin B<sub>12</sub> from microbial materials. 2,899,360, 8-11-59, Cl. 167-81.
- Fisher, Roy A. Humidifier. 2,903,013, 9-8-59, Cl. 137-408.
- Fisher, Russell E. System for dispensing flavored beverages. 2,880,912, 4-7-59, Cl. 222-129.4.
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- Fisher-Stevens, Inc.: See—
- Romano, Joseph V. 2,878,751.
- Fisher, Thomas: See—
- Graef, Charles G., Fisher, and Deckman. 2,915,800.
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- Fisher, Walter M., to Sturgis Posture Chair Co. Furniture glide. 2,878,509, 3-24-59, Cl. 16-42.
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- Fisher, William T., and J. Platt, to Bristol Aircraft Ltd. Snap ring devices. 2,869,910, 1-20-59, Cl. 292-256.067.
- Fishler, Avery J. Tank type disaster shelter. 2,871,802, 2-3-59, Cl. 109-1.
- Fishlove, H., & Co.: See—
- Dawson, Norman E. 2,881,560.
- Drane, Edward O. 2,908,499.
- Fishtahler, Vernon F., to General Motors Corp. Vibration damping means. 2,895,315, 7-21-59, Cl. 64-27.
- Fishtahler, Vernon F., and W. W. Vincent, to General Motors Corp. High-low brake pedal linkage. 2,910,147, 10-27-59, Cl. 188-152.
- Fishwood, Rollin W.: See—
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- Fisk, Roy T., to Hyland Laboratories. Disposable culturing device. 2,874,091, 2-17-59, Cl. 195-139.
- Fisk, Wilbur, to The Bianchi Co. Cupping and packaging method and apparatus for fragile food products. 2,886,927, 5-19-59, Cl. 53-26.
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- Fiske, David L. Ground anchor. 2,892,518, 6-30-59, Cl. 189-90.
- Fisons Pest Control Ltd.: See—
- Hartley, Gilbert S. 2,895,808.
- Hartley, Gilbert S., and Park. 2,907,691.
- Fistell, David N. Units for analyzing, rejuvenating and repairing television picture tubes. 2,897,435, 7-28-59, Cl. 324-23.
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- Albanese, John, and Fitko. 2,888,418.
- Fitting, Howard K., to Curtiss-Wright Corp. Panel attaching device. 2,901,788, 9-1-59, Cl. 20-92.
- Fitz, Elmore J., to General Electric Co. Method of decarburizing silicon steel in a wet inert gas atmosphere. 2,875,113, 2-24-59, Cl. 148-113.
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- Fitzer, Erich, to Siemens-Planawerke Akt. Fuer Kohle-fabrikate. Method of producing sintered nickel-aluminum articles. 2,877,113, 3-10-59, Cl. 75-211.
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- Fitzgerald, Albert J., to General Electric Co. Toggle retainer and framing apparatus. 2,889,592, 6-9-59, Cl. 20-56.4.
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- Fitzgerald, Albert J., to General Electric Co. Prefabricated surfaces. 2,897,620, 8-4-59, Cl. 40-34.
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- Fitzgerald, Charles F., to United Shoe Machinery Corp. Bobbin winding machine. 2,889,120, 6-2-59, Cl. 242-23.
- Fitzgerald, Charles W., to Joy Mfg. Co. Cutter bit cluster and supporting means therefor. 2,872,172, 2-3-59, Cl. 262-33.
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- Fitzgerald, Cornelius G., and A. A. Benderly, to United States of America, Army. Thermosetting resinous coating material with thixotropic properties and article coated therewith. 2,887,458, 5-19-59, Cl. 260-18.
- Fitzgerald, Dean B., to Pittsburgh Plate Glass Co. Conveyor apparatus. 2,917,157, 12-15-59, Cl. 198-34.
- Fitzgerald, Edward L., to Diana Mfg. Co. Breast pad and method of manufacture. 2,896,623, 7-28-59, Cl. 128-280.
- Fitzgerald, Harold J., to Supurdisplay, Inc. Popcorn warmer and server. 2,875,013, 2-24-59, Cl. 312-236.
- Fitzgerald, Harold J., to Supurdisplay, Inc. Illuminated display cabinet. 2,883,252, 4-21-59, Cl. 312-128.
- Fitzgerald, John R. Coating apparatus for fruits and vegetables. 2,903,995, 9-15-59, Cl. 118-18.
- Fitzgerald, John R. Fruit sizing machine. 2,904,175, 9-15-59, Cl. 209-84.
- Fitzgerald, John V., to The Council of America, Inc. Apparatus for making tile panels. 2,917,801, 12-22-59, Cl. 25-1.
- Fitzgerald, John V., and E. L. Kastenbein. Ceramic bird houses. 2,887,937, 5-26-59, Cl. 119-23.
- Fitzgerald, John W. Sectional boat. 2,879,525, 3-31-59, Cl. 9-2.
- Fitzgerald, John W., to Ames Safety Envelope Co. Snap fastener construction for envelopes. 2,913,164, 11-17-59, Cl. 229-78.
- Fitzgerald, Joseph N., J. W. Gernhardt, and O. C. Redmon, to Fram Corp. Water separators. 2,872,043, 2-3-59, Cl. 210-307.
- Fitzgerald, Robert E., to United-Carr Fastener Corp. Lamp socket assembly. 2,912,669, 11-10-59, Cl. 339-188.

- Fitzgerald, Thomas C.: See—
- Bachus, Benson F., and Fitzgerald. 2,916,229.
- Fitzgerald, William F. Fishing device. 2,874,510, 2-24-59, Cl. 43-44.81.
- Fitz Gerald, William P.: See—
- Banes, Fred W., and Fitz Gerald. 2,901,458.
- Fitzgerald, William P., and J. F. Nelson, to Esso Research and Engineering Co. Color stabilization of resins with alkali. 2,906,726, 9-29-59, Cl. 260-45.7.
- Fitz Gibbons, William A.: See—
- Wright, Wayne E., Fitz Gibbons, and Major. 2,885,523.
- Fitz Harris, Leo J., to Minnesota Mining and Mfg. Co. Lamination of thermoplastic polymers. 2,867,241, 1-6-59, Cl. 138-55.
- Fitzhugh, Andrew F.: See—
- Lavin, Edward, Fitzhugh, and Crozier. 2,917,462.
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- Fitzmorris, Stanley R., to United States of America, Air Force. Tube mounting method and apparatus. 2,879,487, 3-24-59, Cl. 333-98.
- Fitzmorris, Stanley R., to General Electric Co. Wave coupling arrangement. 2,901,709, 8-25-59, Cl. 333-10.
- Fitz-On Heel Corp.: See—
- Fitzsimmons, James F. 2,874,488.
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- Fitzpatrick, John A., to Altronics Inc. Hydrogen gas generating propellant compositions. 2,885,277, 5-5-59, Cl. 52-5.
- Fitzpatrick, Thomas. Indicator for machine tools. 2,914,856, 12-1-59, Cl. 33-125.
- Fitzpatrick, W. J., Co.: See—
- Covey, Gordon W. 2,907,662.
- Hawk, Le Roy R., Magnus, and Manion. 2,873,663.
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- Kircher, Albert, Jr., and Manion. 2,874,054.
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- Fitzsimmons, James F., to Fitz-On Heel Corp. Heel with expanded tube anchored therein. 2,874,488, 2-24-59, Cl. 36-34.
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- Fitzsimmons, James W.: See—
- Costis, George. 2,912,076.
- Fitzsimmons, William E. Map holder and protector. 2,869,604, 1-20-59, Cl. 150-39.
- Flavel, Anne. Brassiere attachment. 2,895,480, 7-21-59, Cl. 128-453.
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- Kell, Henry P. 2,867,169.
- Fjellstedt, Thorsten A., to McGraw-Edison Co. Switch group operating mechanism. 2,878,331, 3-17-59, Cl. 200-48.
- Fjellstedt, Thorsten A., to McGraw-Edison Co. Bus support. 2,896,012, 7-21-59, Cl. 174-171.
- Flach, Donald O., and R. E. Garver, to Food Machinery and Chemical Corp. Production of persulfates. 2,899,272, 8-11-59, Cl. 23-114.
- Flach, Wilhelm: See—
- Jung, Bernhard, Flach, and Kratz. 2,912,131.
- Flack, Alfred, to Lily-Tulip Cup Corp. Nestable plastic containers. 2,879,917, 3-31-59, Cl. 226-87.
- Fladung, Albert L. Sill faucets. 2,870,780, 1-27-59, Cl. 137-360.
- Fladung, Albert L., to Clark-Feather Mfg. Co. Oil can spouts. 2,895,643, 7-21-59, Cl. 222-90.
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- Flagg, Raymond P., to Minneapolis-Honeywell Regulator Co. Combination valve and safety pilot. 2,871,311, 1-27-59, Cl. 200-61.86.
- Flahaut, René E. Nut thread with pitch difference relative to bolt thread to provide good thread bearing under load. 2,870,668, 1-27-59, Cl. 85-32.
- Flaik, Christian. Adjusting means for a slidable inner jaw wrench. 2,914,980, 12-1-59, Cl. 8-145.
- Flair, Henry J., to Illinois Tool Works. Analytical gear comparator. 2,914,861, 12-1-59, Cl. 33-179.5.
- Flamand, Maurice R., and A. J. Tosches, to Draper Corp. Filling carrier drive for shuttleless looms. 2,888,956, 6-2-59, Cl. 139-122.
- Flanagan, Charles D., and R. W. Hood, to Texas Instruments Inc. Terminal construction. 2,912,670, 11-10-59, Cl. 339-220.
- Flanagan, James L., to United States of America, Air Force. Speech analysis. 2,891,111, 6-16-59, Cl. 179-1.
- Flanagan, Thomas E., to Kalamazoo Vegetable Parchment Co. Paper rolls and method of making. 2,874,831, 2-24-59, Cl. 206-59.
- Flanagan, William H., Jr., to United-Carr Fastener Corp. Connector. 2,877,437, 3-10-59, Cl. 339-91.
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- Flandrick, Carl R. Invalid lifting and transporting apparatus. 2,903,238, 9-8-59, Cl. 254-124.
- Flanigan, Clifford H. Blade speed controller for electric lawn mower. 2,906,081, 9-29-59, Cl. 56-25.4.
- Flanigan, Richard J.: See—
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- Guschling, Nagle V., and Flanigan. 2,898,891.
- Flannery, Frank A., and R. E. Novkov; said Novkov assor. to L. W. Kuttler, Jr. Floating reamer. 2,906,146, 9-29-59, Cl. 77-75.
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- Flannery, James N.: See—
- Armitage, Joseph B., and Flannery. 2,896,465.
- Armitage, Joseph B., and Flannery. 2,908,178.
- Flannery, John P., to The Murray Corp. of America. Drier lint collector. 2,886,900, 5-19-59, Cl. 34-82.
- Flansburgh, John C.: See—
- Hollerith, Charles, Flansburgh, and White. 2,918,775.
- Flaschen, Steward S.: See—
- Brady, George W., and Flaschen. 2,916,681.
- Flaskamp, Richard K.: See—
- Husum, Charles W., and Flaskamp. 2,910,397.
- Flatet, Jacques, and M. Cornu, to La Telemecanique Electrique. Contactor retarder. 2,899,523, 8-11-59, Cl. 200-166.
- Flatland, Lloyd P. High speed angle hand piece. 2,873,527, 2-17-59, Cl. 32-27.
- Flatland, Lloyd P. Self-contained dental handpiece. 2,894,325, 7-14-59, Cl. 32-27.
- Flatland, Lloyd P. Dental angle device. 2,899,745, 8-18-59, Cl. 32-28.
- Flatland, Lloyd P. Dental handpiece attachment. 2,908,976, 10-20-59, Cl. 32-27.
- Flatow, Tobias: See—
- Blount, Alvie E., Flatow, and Chalmers. 2,897,907.
- Carlisle, Charles H., and Flatow. 2,902,106.
- Flatow, Tobias, and C. H. Carlisle, to Jersey Production Research Co. Method of determining seismic reflecting subsurfaces. 2,894,596, 7-14-59, Cl. 181-5.
- Flavin, Thomas C., to Phillips Petroleum Co. Controlling the B.T.U. content of residue gas from a hydrocarbon separation system. 2,910,435, 10-27-59, Cl. 208-344.
- Flavin, Thomas C., and J. L. Groebe, to Phillips Petroleum Co. Catalytic reactor. 2,890,251, 6-9-59, Cl. 260-666.
- Flaws, John, Jr., and L. E. Dilts, to General Electric Co. Sealed beam headlight with internal shield. 2,880,347, 3-31-59, Cl. 313-115.
- Flax, Valer. Production of sealed containers filled with liquid. 2,870,583, 1-27-59, Cl. 53-37.
- Flaxall Products Ltd.: See—
- Coburn, Robert. 2,895,732.
- Fleck, Francis C., and G. Raich, to General Motors Corp. Power plant control mechanism. 2,875,635, 3-3-59, Cl. 74-472.
- Fleck, Horst G., to Schlumberger Well Surveying Corp. Rotary switch. 2,902,564, 9-1-59, Cl. 200-104.
- Fleck, Marian, to Society Corp. Device for the manufacture of pencils. 2,879,544, 3-31-59, Cl. 18-13.
- Fleck, Raymond N., and C. G. Wight, to Union Oil Co. of California. Adsorptive fractionation process. 2,881,862, 4-14-59, Cl. 183-114.2.
- Fleckenstein, Joseph E., to Johnson Service Co. Vapor pressure spring. 2,882,042, 4-14-59, Cl. 267-34.
- Fleckenstein, Lambert W. Closure caps. 2,867,350, 1-6-59, Cl. 220-40.
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- Fleckenstein, William O.: See—
- Brooks, Chester E., Fleckenstein, Lee, and Seckler. 2,876,288.
- Fleckenstein, William O., to Bell Telephone Laboratories, Inc. Universal line concentrator. 2,916,557, 12-8-59, Cl. 179-18.
- Fleckenstein, William O., E. R. Kretzmer, and W. S. Michel, to Bell Telephone Laboratories, Inc. Facsimile communication system. 2,909,601, 10-20-59, Cl. 178-6.8.
- Fleekop, Fred, and J. A. Fritts, to J. F. and J. Co., Inc. Door opening and closing device. 2,917,306, 12-15-59, Cl. 268-66.
- Fleener, Austin E., 1/2 to W. H. F. Schmieding and 1/2 to P. Flutz. Tag dispenser. 2,908,435, 10-13-59, Cl. 225-32.
- Fleet, C. B. Co., Inc.: See—
- Forsyth, Harry D. 2,869,545.
- Fleischer, Alfred R.: See—
- Alling, John F., and Fleischer. 2,893,137.
- Fleischer, Arthur, to United States of America, Army. Method of manufacturing cadmium plates for nickel-cadmium batteries. 2,899,480, 8-11-59, Cl. 136-67.
- Fleischer, Joseph R. C. Evans, and F. E. Stevens, Jr., to Olin Mathieson Chemical Corp. Stabilized manganese dioxide. 2,885,262, 5-5-59, Cl. 23-145.
- Fleischer, Paul C.: See—
- Snodgrass, James M., and Fleischer. 2,919,420.
- Fleischer, Svend S. C. Apparatus for separating magnetizable drop wires designed to indicate breakage in threads of a warp in a loom. 2,899,736, 8-18-59, Cl. 28-46.
- Fleischhauer, Werner. Bands for wrapping buddings. 2,916,852, 12-15-59, Cl. 47-7.



- Fleischmann, Carlo. Boundary layer control apparatus for improving the action of aircraft. 2,873,931, 2-17-59, Cl. 244-42.
- Fleischmann, John J., and C. D. Wilson, to Allis-Chalmers Mfg. Co. Fluid cooled barrel cylinder for turbines. 2,888,240, 5-26-59, Cl. 253-39.1.
- Fleischmann, Karl: See—
- Schleicher, Alfred, and Fleischmann. 2,887,229.
- Fleischmann, Lester K. Carbon roll. 2,876,885, 3-10-59, Cl. 197-126.
- Fleischmann, Lester K. Carbon holder. 2,905,483, 9-22-59, Cl. 282-3.
- Fleischmann, Lewis W. 15% to N. H. Shapiro, and 5% to H. A. Jacobs and C. J. Pilzer. Toy submarine. 2,914,887, 12-1-59, Cl. 46-243.
- Fleisher, Harold, to International Business Machines Corp. Transistor switching circuits. 2,903,602, 9-8-59, Cl. 307-88.5.
- Fleissner & Co. G.m.b.H.: See—
- Fleissner, Johann. 2,890,526.
- Fleissner, Gerold: See—
- Fleissner, Hans and G. 2,879,607.
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- Jörg, Heinrich, and Fleissner. 2,884,889.
- Fleissner, Johann, to Fleissner & Co. G.m.b.H. Sieve drum drier for drying a continuous fleece of fibrous material. 2,890,526, 6-16-59, Cl. 34-115.
- Fleming, Earl L.: See—
- Venditty, Chester G., and Fleming. 2,869,891.
- Fleming, Fred, to The British Oxygen Co. Ltd. Welding positioners. 2,884,242, 4-28-59, Cl. 269-185.
- Fleming, George W. Iron rack. 2,915,269, 12-1-59, Cl. 248-117.7.
- Fleming, Harold W., and R. E. Reitmeyer, to Chemetron Corp. Hydrogenation catalyst. 2,897,160, 7-28-59, Cl. 252-455.
- Fleming, Hugh B. Transformer construction. 2,885,643, 5-5-59, Cl. 336-96.
- Fleming, Jack F.: See—
- Staab, George J., and Fleming. 2,876,569.
- Fleming, John S.: See—
- Fleming, Margaret E. 2,896,639.
- Fleming, John S. Machine for tearing paper. 2,913,160, 11-17-59, Cl. 225-99.
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- Fleming, Robert E.: See—
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- Fleming, Robert S., to Amerace Corp. Bowling ball grip-measuring device. 2,880,517, 4-7-59, Cl. 33-174.
- Fleming & Sons, Inc.: See—
- Holden, Thomas M., to Microloc Corp. Electric arming device. 2,918,845, 12-29-59, Cl. 89-1.5.
- Fleming, William J., to General Electric Co. Circuit breaker for plug-in panelboard. 2,905,796, 9-22-59, Cl. 200-168.
- Fleming, William M.: See—
- Haworth, Russell G., Fleming, Priesnitz, and McLaughlin. 2,916,274.
- Flemming, Norbert A., and E. E. Montross, to The Polymer Corp. Apparatus and process for centrifugal molding of articles from thermoplastic materials which exhibit substantial volumetric shrinkage. 2,874,412, 2-24-59, Cl. 18-39.
- Fleener, Albert L., to E. I. du Pont de Nemours and Co. Organo mercuric mercaptides. 2,883,407, 4-21-59, Cl. 260-431.
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- Fleenniken, William W.: See—
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- Flesch, Norman F.: See—
- Tack, Carl E., Lanman, and Flesch. 2,903,095.
- Flesch, Peter. Method for protecting, dyeing and waving peroxide bleach-damaged keratin. 2,892,756, 6-30-59, Cl. 167-87.1.
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- Flessate, Clarence L., to Blackhawk Mfg. Co. Art of bending and ejecting bent pipes. 2,871,908, 2-3-59, Cl. 153-38.
- Fletcher Aviation Corp.: See—
- Hoegee, Robert A., and Gobbie. 2,878,039.
- Gordon, Carroll G. 2,884,904.
- McLane, Philip W., and Dugan. 2,876,923.
- Fletcher, Ed, to Owens-Corning Fiberglas Corp. Winding apparatus. 2,906,470, 9-29-59, Cl. 242-72.
- Fletcher, Edward H., to Deere & Co. Tractor transmission-hydraulic power shifting. 2,917,936, 12-22-59, Cl. 74-334.
- Fletcher, Edward H., and R. A. Wittren, to Deere & Co. Power brake system. 2,887,187, 5-19-59, Cl. 188-152.
- Fletcher, Edward W.: See—
- Gill, John E., and Fletcher. 2,915,580.
- Fletcher, Fred E., and M. W., to Atlantic Chemical & Equipment Co. Chemical dissolver with feed control. 2,919,178, 12-29-59, Cl. 23-267.
- Fletcher, Frederick L., O. Hindley, and N. S. Nichols, to Wyandotte Chemicals Corp. Screen panel for rotary-knife cutter machines. 2,890,840, 6-16-59, Cl. 241-73.
- Fletcher, Herbert J., and G. L. Constan, to Dow Corning Corp. Phenylmethyltrisiloxanes. 2,890,234, 6-9-59, Cl. 260-448.2.
- Fletcher, Lawrence W., to Agronomists' Research Corp. Method of treating soil by non-ionic surface active agents. 2,867,944, 1-13-59, Cl. 47-58.
- Fletcher, Myles W.: See—
- Fletcher, Fred E., and M. W. 2,919,178.
- Fletcher, Peter S., to A. Lorenz. Adjustable chairs. 2,879,833, 3-31-59, Cl. 153-106.
- Fletcher, Peter S., to A. Lorenz. Article of repose for supporting the body of a person. 2,890,742, 6-16-59, Cl. 153-106.
- Fletcher, Peter S., to A. Lorenz. Adjustable chairs. 2,914,112, 11-24-59, Cl. 153-106.
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- Fletcher, Philip J., to Power Jets (Research and Development) Ltd. Aircraft jet system with adjustable nozzle. 2,886,262, 5-12-59, Cl. 244-23.
- Fletcher, Roland A. Multiple contact device. 2,907,867, 10-6-59, Cl. 219-37.
- Fletcher-Terry Co., The: See—
- Judd, Chester W., Jr. 2,869,131.
- Fletcher, Theodore W., Jr. Combination storm and screen window unit. 2,878,864, 3-24-59, Cl. 160-106.
- Fletcher, William A., to General Motors Corp. Filament colling machine having finely adjustable colling head. 2,873,788, 2-17-59, Cl. 153-67.
- Fletcher, William A., to General Motors Corp. Multiple valve controlled fluid pressure suspension. 2,888,272, 5-26-59, Cl. 280-124.
- Fletcher, William A., to General Motors Corp. Method of cold forming tubular bodies having internal undercut grooves. 2,917,823, 12-22-59, Cl. 29-553.
- Fletcher, Wilson D.: See—
- Fahnoe, Frederick, Shyne, and Fletcher. 2,906,682.
- Shyne, James J., and Fletcher. 2,894,888.
- Flett, Lester C., to Canadian Westinghouse Co., Ltd. Heating unit for platform mounting. 2,887,559, 5-19-59, Cl. 219-37.
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- Fleuret, Marcel, to Societe Rhodiaceta. Device for throwing or twisting threads, fibres and similar products. 2,898,728, 8-11-59, Cl. 57-58.83.
- Flexan Corp., The: See—
- Lilleberg, Richard N. 2,918,760.
- Flexible Sewer Tool Corp.: See—
- Prange, Charles J. 2,892,557.
- Flexibox Ltd.: See—
- Porges, Frederick B. 2,886,348.
- Porges, Frederick B. 2,886,349.
- Flexigrip Inc.: See—
- Staller, Karel J., and Svec. 2,867,877.
- Flex-O-Lators, Inc.: See—
- Richardson, William F. 2,871,925.
- Flexonics Corp.: See—
- Andersen, Raymond C. 2,901,272.
- Andersen, Raymond C., and Parlasca. 2,873,984.
- Hesterman, Francis C. 2,887,146.
- Myers, Kenneth H., Farmer, and Briesch. 2,911,238.
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- Baxter, George C. 2,886,979.
- Flexsleeve, Inc.: See—
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- Flick, Ralph J., to Ford Motor Co. Air conditioner evaporator unit. 2,895,313, 7-21-59, Cl. 62-426.
- Flick Reedy Corp.: See—
- Flick, Francis S. 2,888,951.
- Flick, Robert H.: See—
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- Flieder, Emil W. Flush valve. 2,892,197, 6-30-59, Cl. 4-57.
- Flieg, Werner. Detachable coupling. 2,907,189, 10-6-59, Cl. 64-15.
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- Lazar, James, Zeltler, and Smith. 2,918,313.
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- Flinn, George E., to Borg-Warner Corp. Transmission. 2,893,261, 7-7-59, Cl. 74-472.
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- Long, John R., and Flint. 2,890,841.
- Flint, Alden C., J. E. Livingston, M. D. Haven, and J. R. Long. 50% to Granite Machine Co. and 50% to Livingston & Haven, Inc. Pressure means for calender rolls. 2,871,519, 2-3-59, Cl. 19-164.
- Flint, Edward F., to Eastman Kodak Co. Television gunsight. 2,912,494, 11-10-59, Cl. 178-6.8.
- Flint, Erlon W., to Bell Telephone Laboratories, Inc. Translator. 2,905,934, 9-22-59, Cl. 340-347.
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- Burton, Donald, Reed, and Flint. 2,871,162.
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- Flint, Hyland C., to American Metal Products Co. Spring construction. 2,867,265, 1-6-59, Cl. 153-179.
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- Flint, Russell C., to LCN Closers, Inc. Hold-open device. 2,905,965, 9-29-59, Cl. 16-49.
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- Barrett, Edward J., Jr., and Flitter. 2,873,210.
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- Flocken, Linton H., to Oak Mfg. Co. Electric switch means. 2,876,302, 3-3-59, Cl. 200-5.
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- Flodin, Allan: See—
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- Flo-Mix Fertilizers Corp.: See—
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- Flood, Carl A., to Dennison Mfg. Co. Machine for pinning tickets to articles. 2,914,768, 12-1-59, Cl. 1-118.
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- Flood, Reginald F. J., to Amalgamated Wireless (Australasia) Ltd. Electrical power supply systems. 2,894,194, 7-7-59, Cl. 321-2.
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- Florence, Robert T.: See—
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- Flower, Stanley H., J. Parsons, and N. G. W. Loudon, to Bellrock Gypsum Industries Ltd. Building units. 2,892,339, 6-30-59, Cl. 72-41.
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- Flowers, Joseph K., to General Electric Co. Method of bonding coating on a refractory base member and coated base. 2,876,139, 3-3-59, Cl. 117-131.



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- Floy, Delbert W. 2,903,982.
- Floyd, Acey L.: See—
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- Floyd, Burton D., to Weston Hydraulics, Ltd. Sealing means. 2,917,078, 12-15-59, Cl. 137-623.
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- Flynn, John V., to The Kurlash Co., Inc. Eyelash curlers. 2,893,404, 7-7-59, Cl. 132-32.
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- Foley Mfg. Co.: See—
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- Foley, Michael P. Pulse generating circuit. 2,904,755, 9-15-59, Cl. 331-112.
- Foley, Michael P., to Western Precipitation Corp. Apparatus for controlling the operation of electrical precipitators. 2,907,403, 10-6-59, Cl. 183-7.
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- Folkenroth, Earl E., to AMP Inc. Insulation stripping applicator and methods of application. 2,873,511, 2-17-59, Cl. 29-155.55.
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- Folkers, Karl A., and C. H. Shunk, to Merck & Co., Inc. 1-halomercuri, trihalo benzimidazoles. 2,876,230, 3-3-59, Cl. 260-299.
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- Foll, John V., P. W. Sieber, and A. A. Kirchel, to Muirhead & Co. Ltd. Facsimile telegraph scanning mechanism. 2,883,453, 4-21-59, Cl. 178-7.1.
- Follansbee, Rogers. Heating system. 2,889,991, 6-9-59, Cl. 237-2.
- Follensbee, Wesley M., and E. O. Schoenike, to Collins Radio Co. Quick-acting squeal circuit. 2,888,527, 5-26-59, Cl. 179-171.
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- Follett, Louis W., and C. Hagen, to Davenport Machine and Foundry Co. Rotary indirect cooler. 2,902,263, 9-1-59, Cl. 257-88.
- Follingshead, Henry G., to Bell Telephone Laboratories, Inc. Oscilloscopic display method or means. 2,869,028, 1-13-59, Cl. 315-26.
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- Folsom, George I., to Scott & Williams, Inc. Knitting method and machine. 2,909,048, 10-20-59, Cl. 66-13.
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- Douglas, Bradley C. 2,885,150.
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- Ford, Barton H., to Ford Grain Door Co. Freight car bulk-head. 2,895,431, 7-21-59, Cl. 105-369.
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- Pons, Paul M. 2,918,002.
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- Forman, Ford & Co.: See—
- Lox, Walter E. 2,901,447.
- Forman, George W., and R. D. George, to Butler Mfg. Co. Grain probe. 2,896,444, 7-28-59, Cl. 73-425.2.
- Forman, Herbert B., to Metal & Thermit Corp. Process for the chlorination of zirconium-bearing materials. 2,914,379, 11-24-59, Cl. 23-87.
- Forman, James R.: See—
- Price, Edgar E. 2,895,374.
- Forman, Jan, to Burroughs Corp. Dual magnetron and circuits. 2,910,651, 10-27-59, Cl. 331-86.
- Forman, Jan, to Burroughs Corp. Multiplex measuring device. 2,919,436, 12-29-59, Cl. 340-183.
- Forman, Philip and D. Telescoping dress rack. 2,885,090, 5-5-59, Cl. 211-175.
- Forman, Sylvan E.: See—
- Wachs, Herman, and Forman. 2,878,265.
- Wachs, Herman, and Forman. 2,878,266.
- Formanek, Robert J., and M. W. Wilson, to The B. F. Goodrich Co. Composition, article and method. 2,912,355, 11-10-59, Cl. 154-130.
- Formgrading and Press Machine Corp., The: See—
- Schlavi, Vincent. 2,902,908.
- Formis, Frederick K. Egg opener. 2,904,089, 9-15-59, Cl. 146-2.
- Formsprag Co.: See—
- Szady, Leopold T. 2,883,023.
- Zlotek, Thaddeus F. 2,892,523.
- Zlotek, Thaddeus F. 2,917,146.
- Forney, Birdie F.: See—
- Forney, Ira C. 2,867,248.
- Forney, Edgar W., Jr., to AMP Inc. Shielded braid terminator. 2,890,267, 6-9-59, Cl. 174-88.
- Forney, Edgar W., Jr., to AMP Inc. Shielded wire connectors. 2,904,619, 9-15-59, Cl. 174-88.
- Forney Generators, Inc.: See—
- Haug, Samuel E. 2,917,935.
- Forney, Ira C., deceased: by B. F. Forney, executrix. Automobile thermos jug holder. 2,867,248, 1-6-59, Cl. 141-375.
- Forni, George P.: See—
- Forni, Jay S. 2,883,853.
- Forni, Jay S., to G. P. Forni, d.b.a. Forni Mfg. Co. Meter box cover. 2,883,853, 4-28-59, Cl. 72-100.
- Forni Mfg. Co.: See—
- Forni, Jay S. 2,883,853.
- Forquer, Michael J. Leg attached light. 2,867,717, 1-6-59, Cl. 240-10.68.
- Forrand, George W.: See—
- Sandahl, Russell H. 2,871,580.
- Forrer, Gilbert R., and J. F. Klein, to The Babcock & Wilcox Co. Radiation projector and charge handling means therefor. 2,876,363, 3-3-59, Cl. 250-106.
- Forrer, Hans, to Aktiengesellschaft Brown, Boveri & Cie. Electrical contact device. 2,876,336, 3-3-59, Cl. 219-156.
- Forrer, Homer W., to Mead-Atlanta Paper Co. Paperboard wrapper having strengthened edges. 2,872,036, 2-3-59, Cl. 206-65.
- Forrer, Homer W., to Mead-Atlanta Paper Co. Wrapper carton incorporating center partitioning means. 2,877,894, 3-17-59, Cl. 206-65.
- Forrer, Homer W., to Mead-Atlanta Paper Co. Light bulb carton and overwrap therefor. 2,905,316, 9-22-59, Cl. 206-65.
- Forrer, Homer W., to Mead Packaging, Inc. Four-cell compartmented carton. 2,917,202, 12-15-59, Cl. 220-113.
- Forrest, Frank R., to Allis-Chalmers Mfg. Co. Adjustable bypass valve. 2,874,642, 2-24-59, Cl. 103-97.
- Forrest, Harry D., and D. R. Murray, to The General Tire & Rubber Co. Rotary dryer for resins. 2,904,896, 9-22-59, Cl. 206-65.
- Forrest, John R., and A. A. Moul, to MacMillan & Bloedel Ltd. Fork lift truck load support carrier. 2,900,098, 8-18-59, Cl. 214-650.
- Forrester, Gilbert. Process and apparatus for defoaming liquids. 2,908,652, 10-13-59, Cl. 252-321.
- Forrester, Thomas N.: See—
- Barratt, Harold, Forrester, and Wilson. 2,896,946.
- Forrester, William A., to Universal Metals Co. Automatic valve. 2,912,215, 11-10-59, Cl. 251-13.
- Forry, Donald R., to D. E. McCarty. Ring feed for a meat packaging machine. 2,917,204, 12-15-59, Cl. 221-200.
- Forry, Leonard E., to Getman Brothers Mfg. Division, Inc. Diesel exhaust gas filter. 2,911,289, 11-3-59, Cl. 23-284.
- Forsans, Pierre E. H. Sealing means for the hydraulic joint of a coke oven door and for like closures. 2,878,170, 3-17-59, Cl. 202-247.



- Forsberg, Frank, to The Gillette Co. Method of inducing permanent set in razor blade strip. 2,898,254, 8-4-59, Cl. 148-21.5.
- Forsberg, Richard P., to Hexcel Products Inc. Stitched multiply cellular structure. 2,909,784, 10-27-59, Cl. 2-243.
- Forschungsgesellschaft der Wabag Wasserreinigungsbau m.b.H.: See—
- Hettche, Hans O. 2,884,378.
- Forschungsinstitut für bildsame Formung der Metalle: See—
- Engelhardt, Werner H., and Gross. 2,875,608.
- Forse, Harry D.: See—
- Campbell, Rollin E., and Forse. 2,894,667.
- Forseth, George O. Electrode holders. 2,885,535, 5-5-59, Cl. 219-143.
- Forshaw, Kenneth G. W. J., and C. B. Charlton, to Telephone Mfg. Co. Ltd. Manufacturing processes. 2,917,613, 12-15-59, Cl. 219-19.
- Forshee, Sheila. Method and means for trapping paint overspray. 2,875,680, 3-3-59, Cl. 98-115.
- Forsland, Audre C. Posture pillow. 2,880,428, 4-7-59, Cl. 5-237.
- Forslund, Paul A. S. Latch for closet doors. 2,880,028, 3-31-59, Cl. 292-126.
- Forslund, Johan E. Pressure fluid servomotor. 2,868,175, 1-13-59, Cl. 121-46.
- Forsmark, Boo H., to Banner Welder, Inc. Electric resistance welders with deflection firing heads. 2,906,856, 9-29-59, Cl. 219-89.
- Forster, Ellen (nee Dixon): See—
- Forster, Joseph and E. (nee Dixon). 2,899,113.
- Forster, Eric O.: See—
- Black, James F., and Forster. 2,905,825.
- Furey, Michael J., and Forster. 2,883,289.
- Forster, Friedrich M. O. Method and apparatus for non-destructive testing. 2,901,691, 8-25-59, Cl. 324-34.
- Forster, Hans-Joachim M.: See—
- Scherenberg, Hans O., and Forster. 2,918,154.
- Forster, Hans-Joachim M., to Daimler-Benz Akt. Transmission. 2,886,981, 5-19-59, Cl. 74-730.
- Forster, Hans-Joachim M., to Daimler-Benz Akt. Speed change transmission. 2,890,601, 6-16-59, Cl. 74-688.
- Forster, Hans-Joachim M., to Daimler-Benz Akt. Speed change transmission, particularly for motor vehicles. 2,892,355, 6-30-59, Cl. 74-330.
- Forster, Hans-Joachim M., to Daimler-Benz Akt. Speed change transmission. 2,893,267, 7-7-59, Cl. 74-732.
- Forster, Hans-Joachim M., to Daimler-Benz Akt. Control system for an internal combustion engine. 2,897,809, 8-4-59, Cl. 123-140.
- Forster, Hans-Joachim M., to Daimler-Benz Aktiengesellschaft. Power-driven window-actuating mechanism for motor vehicles. 2,911,212, 11-3-59, Cl. 268-125.
- Forster, John O., to Heli-Coil Corp. Seating tool for wire coil screw thread inserts. 2,869,224, 1-20-59, Cl. 29-240.5.
- Forster, Joseph and E. (nee Dixon). Automatic delay-action device. 2,899,113, 8-11-59, Cl. 222-336.
- Forster, Leslie G., to Forsters Machine Co. Ltd. Wrapping machine for articles or assemblies of articles. 2,901,874, 9-1-59, Cl. 53-223.
- Forster, Lloyd M. Automotive vehicle brake employing power steering pump pressure. 2,870,605, 1-27-59, Cl. 60-54.5.
- Forster Mfg. Co.: See—
- Barnes, Leslie W. 2,873,767.
- Förster, Wolfgang: See—
- Weisbart, Hans, and Förster. 2,911,388.
- Förster, Warren S., to American Cyanamid Co. Chlorinated benzophenone ultraviolet absorbers. 2,892,872, 6-30-59, Cl. 260-591.
- Förster, Wolfgang, to Reichhold Chemicals, Inc. Process for the preparation of condensation products. 2,868,768, 1-13-59, Cl. 260-59.
- Förster, Wolfgang C. G., to Reichhold Chemicals, Inc. New polyamide like condensation products and process of producing the same. 2,890,228, 6-9-59, Cl. 260-404.5.
- Forsters Machine Co. Ltd.: See—
- Forster, Leslie G. 2,901,874.
- Forstner, Egon: See—
- Rabe, Karl, and Forstner. 2,901,052.
- Forsum Co., The: See—
- Woeber, Carl E., and R. V. 2,881,914.
- Forsyth, George H., G. Wood, and J. Stevens, to Vickers-Armstrongs (Engineers) Ltd. Pipe lines. 2,895,512, 7-21-59, Cl. 138-87.
- Forsyth, Harry D., to C. B. Fleet Co., Inc. Package. 2,869,545, 1-20-59, Cl. 128-232.
- Forsyth, Herbert D. Portable casting or molding machine. 2,875,498, 3-3-59, Cl. 25-41.
- Forsyth, William, to Imperial Chemical Industries Ltd. Delay blasting devices. 2,891,476, 6-23-59, Cl. 102-27.
- Forsythe, Alan K., and J. A. Parker, to Armstrong Cork Co. Polyvinyl halide composition containing oxidized polyester resin, and method of making same. 2,877,203, 3-10-59, Cl. 260-45.4.
- Forsythe, Richard P., to Foundry Services Ltd. Method of initiating an exothermic reaction in a mold by chemical means. 2,891,293, 6-23-59, Cl. 22-193.
- Fort, Ben F., Jr.: See—
- Ballard, Wiley P., Gibson, and Fort. 2,906,795.
- Fort, Leas M. Structural blocks. 2,892,340, 6-30-59, Cl. 72-41.
- Forté, Donald J., and J. A. Wolfe, to Minneapolis-Honeywell Regulator Co. Coll bobbin and lamination keeper. 2,899,655, 8-11-59, Cl. 336-198.
- Fortess, Fred: See—
- Conciatori, Anthony B., Fortess, and Rosen. 2,892,672.
- Conciatori, Anthony B., Fortess, and Salvin. 2,880,052.
- Schoenberg, Werner A. P., and Fortess. 2,892,668.
- Fortess, Fred, and J. Rudy, to Celanese Corp. of America. Butyl benzoate as a dyeing assistant. 2,880,050, 3-31-59, Cl. 8-55.
- Forti, Murray W., and H. R. Adams, to Deere & Co. Bale thrower variations. 2,894,651, 7-14-59, Cl. 214-83.3.
- Forti, Egle A. Brassiere. 2,891,548, 6-23-59, Cl. 128-485.
- Fortier, Laurent. Loading attachment for tractors. 2,868,399, 1-13-59, Cl. 214-140.
- Fortiphone Ltd.: See—
- Johnston, Denis L. 2,916,713.
- Fortmann, William E., to United Aircraft Corp. Fuel control with force multiplication. 2,918,792, 12-29-59, Cl. 60-39.28.
- Fortner, Herman S., to The Armstrong Rubber Co. Tire building apparatus. 2,893,467, 7-7-59, Cl. 154-9.
- Fortney, David F., to Sylvania Electric Products Inc. Method of preparing activated calcium halophosphate phosphor. 2,917,463, 12-15-59, Cl. 252-301.4.
- Fortney, Eliza L. Boxing dummy. 2,909,370, 10-20-59, Cl. 372-76.
- Fort Pitt Bridge Works: See—
- Patterson, William A. 2,885,199.
- Patterson, William A. 2,892,698.
- Fortson, Warren D. Pellet gun target trap. 2,901,254, 8-25-59, Cl. 273-102.4.
- Fortuin, Jan P.: See—
- Alders, Lucas, Fortuin, Mondria, and Reman. 2,915,558.
- Fortuna-Werke Spezialmaschinenfabrik A.G.: See—
- Voller, Rolf. 2,900,767.
- Fortune, Henry J., to The Garrard Engineering and Mfg. Co. Ltd. Record supporting and feeding means for record changing mechanism. 2,887,321, 5-19-59, Cl. 274-10.
- Fortune, James H.: See—
- Frazier, Charles, and Fortune. 2,868,748.
- Frazier, Charles, and Fortune. 2,868,752.
- Fortune, Raymond L.: See—
- Davidson, John T., George, and Fortune. 2,870,399.
- Fortune, Ronald, to E. H. Lang. Diaphragm valve. 2,891,763, 6-23-59, Cl. 251-333.
- Fortune, Ronald, to E. H. Lang. Diaphragm valve. 2,907,346, 10-6-59, Cl. 137-601.
- Fort Wayne Corrugated Paper Co.: See—
- Flynn, Thomas E. 2,879,934.
- Jones, Rexford W. 2,893,320.
- Werner, Alfred A., and Sieffert. 2,885,139.
- Fort Wayne Tool Die & Engineering Co.: See—
- Eringer, Robert J. 2,904,269.
- Nill, Richard G. 2,904,270.
- 44 Trinity Place Corp.: See—
- Phillips, Walt. 2,893,958.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Extinguishing chamber for electric circuit breakers. 2,878,345, 3-17-59, Cl. 200-150.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Air blast circuit breaker. 2,881,291, 4-7-59, Cl. 200-148.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Air blast circuit breaker. 2,886,672, 5-12-59, Cl. 200-148.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Arrangement in air blast circuit breakers in which drying air is delivered to the control air pipe. 2,890,312, 6-9-59, Cl. 200-148.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Air blast circuit breakers. 2,904,660, 9-15-59, Cl. 200-148.
- Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Arrangement in electric air blast circuit breakers. 2,908,788, 10-13-59, Cl. 200-148.
- Forward, Frank A., and W. C. Lin, to Sherritt Gordon Mines Ltd. Process for recovering precious metals from refractory minerals. 2,867,529, 1-6-59, Cl. 75-118.
- Forward, Frank A., and A. M. Armstrong, to Sherritt Gordon Mines Ltd. Method of treating pyrrhotitic mineral sulphides containing non-ferrous metal values for the recovery of said metal values and sulfur. 2,898,196, 8-4-59, Cl. 23-224.
- Forward, Frank A., and A. M. Armstrong, to Sherritt Gordon Mines Ltd. Method of treating pyrrhotitic mineral sulphides containing non-ferrous metal values. 2,898,197, 8-4-59, Cl. 23-224.
- Forward, Paul C.: See—
- Fairchilds, Bertram S., and Forward. 2,901,055.
- Fosburgh, Herman, to Anchor Mfg. Co. Meter troughs. 2,891,693, 6-23-59, Cl. 220-3.8.
- Foscoe, Clayton, and B. A. Clubbs, to International Paper Co. Silencing means for paper machine suction rolls. 2,882,969, 4-21-59, Cl. 162-369.
- Fosdick Machine Tool Co., The: See—
- Knosp, Robert N., Linden, and Wetzol. 2,882,761.
- Knosp, Robert N., Linden, and Wetzol. 2,908,978.
- Foss, Burdette W., to Tokheim Oil Tank and Pump Co. Reset mechanism for fuel delivery pump register. 2,877,930, 3-17-59, Cl. 222-33.

- Foss, Carl E. Cooperating container. 2,897,994, 8-4-59, Cl. 220-4.
- Fossa, Joseph, to United Shoe Machinery Corp. Machine for operating upon shoe uppers. 2,872,691, 2-10-59, Cl. 12-51.
- Fossa, Joseph, to United Shoe Machinery Corp. Lacing machine. 2,883,687, 4-28-59, Cl. 12-58.5.
- Fossa, Joseph, to United Shoe Machinery Corp. Lace clamping device. 2,887,697, 5-26-59, Cl. 12-58.5.
- Fossa, Joseph, to United Shoe Machinery Corp. Lace measuring mechanism. 2,887,698, 5-26-59, Cl. 12-58.5.
- Fossa, Joseph, to United Shoe Machinery Corp. Shield mechanism for turret structure. 2,887,699, 5-26-59, Cl. 12-58.5.
- Fossa, Joseph, to United Shoe Machinery Corp. Extra side supports for the turret structure. 2,887,700, 5-26-59, Cl. 12-58.5.
- Fossa, Joseph, to United Shoe Machinery Corp. Guard in a lacing machine. 2,887,701, 5-26-59, Cl. 12-58.5.
- Foster, Alan: See—
- Marples, Bernard P., and Foster. 2,917,681.
- Foster, Arthur G., and D. G. Stetka, to Western Electric Co., Inc. Strand reeling apparatus. 2,883,120, 4-21-59, Cl. 242-25.
- Foster, Bertram D., and E. J. McCabe, Jr., to M. S. Shapiro. Barbecue grill grate. 2,879,761, 3-31-59, Cl. 126-40.
- Foster, Carl E. Adjustable rearview mirror. 2,877,686, 3-17-59, Cl. 88-98.
- Foster, Christopher J. Floating dry docks. 2,894,472, 7-14-59, Cl. 114-45.
- Foster, Claude R. Signal system for vehicles. 2,876,431, 3-3-59, Cl. 340-81.
- Foster, Douglas V., to United States of America, Navy. Improved strut supported turbine blade. 2,894,719, 7-14-59, Cl. 253-39.15.
- Foster, Edwin E. Spring motor. 2,869,801, 1-20-59, Cl. 242-107.3.
- Foster, Edwin E. Spring sash balance. 2,873,472, 2-17-59, Cl. 16-197.
- Foster, Edwin E. Low gradient spring motor. 2,890,193, 8-11-59, Cl. 267-1.
- Foster, Elton G.: See—
- Anderson, Elmer A., Foster, Gable, and Hood. 2,869,986.
- Foster, Frances J., 50% to F. G. Foster. Adjustable cake frame. 2,891,466, 6-23-59, Cl. 99-435.
- Foster, Frank G.: See—
- Foster, Frances J. 2,891,466.
- Foster, Frank M.: See—
- Engelmann, Richard H., and Foster. 2,917,666.
- Foster, George B., to Industrial Nucleonics Corp. Standardizing means. 2,884,530, 4-28-59, Cl. 250-83.
- Foster, George E., to Bailey Meter Co. Multiple program control apparatus. 2,878,397, 3-17-59, Cl. 290-4.
- Foster, Gerald L., and B. D. Oakes, to The Dow Chemical Co. Propargyl sulfide as a corrosion inhibitor in acidic solutions. 2,880,180, 3-31-59, Cl. 252-395.
- Foster, Gilbert C., to General Dynamics Corp. Electronic telephone system. 2,898,407, 8-4-59, Cl. 179-18.
- Foster Grant Co., Inc.: See—
- Bloch, Jack. 2,895,522.
- Kruffy, Piet C. 2,872,420.
- Foster, Harley B. Methods of changing or altering the color electric Co. Torque limiting clutch. 2,903,112, 9-8-59, Cl. 192-104.
- Foster, Harold S., R. E. Bosch, and C. E. Warner, to General of building bricks, tile, or other ceramic units. 2,902,739, 9-8-59, Cl. 25-156.
- Foster, Harry C., to Olin Mathieson Chemical Corp. Supporting means and recoil spring for a gun mount. 2,879,694, 3-31-59, Cl. 89-44.
- Foster, Harry C., to Olin Mathieson Chemical Corp. Gaging device. 2,897,964, 8-4-59, Cl. 209-71.
- Foster, Harry R., E. E. Crump, and P. C. Demarest, to Omega Laboratories. Electrical plural-switch mechanism. 2,906,832, 9-29-59, Cl. 200-18.
- Foster, Herbert V., and D. Johnston, to Crompton & Knowles Corp. Jacquard mechanism for loom. 2,868,232, 1-13-59, Cl. 139-59.
- Foster, Jack E. Detection of stuck point in wells. 2,902,640, 9-1-59, Cl. 324-34.
- Foster, Jack V., and P. A. Harold, to American Machine & Foundry Co. Switching apparatus. 2,917,598, 12-15-59, Cl. 200-87.
- Foster, James H., to Erie Resistor Corp. Printed circuit assembly. 2,898,519, 8-4-59, Cl. 317-101.
- Foster, Jerry F., to Burroughs Corp. Information storage system. 2,874,371, 2-17-59, Cl. 340-174.
- Foster, Jerry F., M. H. Shuler, and J. H. Paquin, to Burroughs Corp. Timing pulse system. 2,895,123, 7-14-59, Cl. 340-174.
- Foster, John C.: See—
- Amdur, Elias J., and Foster. 2,876,321.
- Foster, John R., to T.M.M. (Research) Ltd. Textile combing machines. 2,895,177, 7-21-59, Cl. 19-120.
- Foster, John R., to Vonnegut Hardware Co. Vertical rod, top-and-bottom panic latch mechanism. 2,908,523, 10-13-59, Cl. 292-333.
- Foster, John V., to United States of America, Navy. Mechanically-limited, electrically operated hydraulic valve system for aircraft controls. 2,898,889, 8-11-59, Cl. 121-38.
- Foster, Julius E. Welding system. 2,882,384, 4-14-59, Cl. 219-67.
- Foster, Laurence H., to Corning Glass Works. Article handling. 2,889,962, 6-9-59, Cl. 221-293.
- Foster, Leigh C.: See—
- Aiken, William R., and Foster. 2,880,341.
- Foster, Leslie W.: See—
- Bandli, John C., Foster, and Farmer. 2,899,902.
- Foster, Luther M., to United States of America, Atomic Energy Commission. Method of jacketing fissionable materials. 2,871,555, 2-3-59, Cl. 29-474.3.
- Foster, Melville E. Catalogue binder. 2,891,554, 6-23-59, Cl. 129-23.
- Foster Metal Products Inc.: See—
- Boots, William C. 2,890,509.
- Foster, Ned R., to General Motors Corp. Ice detector. 2,916,731, 12-8-59, Cl. 340-234.
- Foster, Newton C.: See—
- Minter, Herbert F., and Foster. 2,871,420.
- Foster, Newton C., and H. M. Philofsky, to Westinghouse Electric Corp. Method of insulating electrical members with doubly oriented polystyrene backed mica tape. 2,917,420, 12-15-59, Cl. 154-228.
- Foster, Paul D. Tile-molding machine. 2,885,760, 5-12-59, Cl. 25-43.
- Foster, Robert F.: See—
- Jones, Sam F., and Foster. 2,889,688.
- Foster, Robert F., to Lone Star Gas Co. Separable couplings. 2,915,325, 12-1-59, Cl. 285-276.
- Foster, Robert L.: See—
- Chambers, Robert R., and Foster. 2,885,445.
- Foster, Samuel L., to Allis-Chalmers Mfg. Co. Core separator for transformers. 2,912,659, 11-10-59, Cl. 336-60.
- Foster, Samuel P., and R. W. Peterson, to E. I. du Pont de Nemours and Co. Process of making carbon-fused polyamide. 2,875,171, 2-24-59, Cl. 260-37.
- Foster, Theodore, to American Steel Foundries. Power turret indexing. 2,874,595, 2-24-59, Cl. 74-822.
- Foster, Theodore, to American Steel Foundries. Preselective speed changer. 2,885,899, 5-12-59, Cl. 74-359.
- Foster, Vincent F., to Inductosyn Corp. Pattern for slider of position measuring transformer. 2,915,722, 12-1-59, Cl. 336-115.
- Foster, Walter E., to Avco Mfg. Corp. Retractable antenna. 2,902,688, 9-1-59, Cl. 343-702.
- Foster, Warren D.: See—
- Facer, Leroy H. 2,867,522.
- McKay, Herbert C. 2,886,475.
- Foster Wheeler Corp.: See—
- Apblett, William R., and Wedekind. 2,908,805.
- Arnold, Stanfield N., and Tate. 2,909,158.
- Bell, Alan. 2,893,701.
- Bell, Alan. 2,895,492.
- Bliss, Charles, and Faatz. 2,908,157.
- Chao, Tsel Y. 2,898,625.
- Culver, Leonard J. 2,874,543.
- Finn, Stephen M. 2,917,147.
- Koch, Eugene C., and Ray. 2,868,944.
- Jankowski, Henry J. 2,884,911.
- Jankowski, Henry J. 2,909,132.
- Tate, George E. 2,895,456.
- Thunstrom, John F. 2,868,180.
- West, John M. 2,880,146.
- Whitney, Gilbert C., Jr. 2,913,010.
- Whitney, Gilbert C., Jr., and Clark. 2,912,942.
- Foster, William B. Poultry packaging machine. 2,877,615, 3-17-59, Cl. 53-371.
- Foster, William C. Cat and dog collar. 2,880,701, 4-7-59, Cl. 119-106.
- Foster, William R.: See—
- Rosen, Leonard J., and Fortess. 2,880,051.
- Watkins, Thomas E., and Foster. 2,875,835.
- Foster, William W., and W. L. White. Fishing lure retriever. 2,906,050, 9-29-59, Cl. 43-17.2.
- Fostey, James W., to Studebaker-Packard Corp. Reversible turbine with independently operated vanes. 2,914,298, 11-24-59, Cl. 253-51.
- Fostoria Corp.: See—
- White, Howard T. 2,906,208.
- White, Howard T. 2,913,988.
- Fostoria Pressed Steel Corp., The: See—
- Carter, Richard H. 2,875,694.
- Foti, Arem, to I-T-E Circuit Breaker Co. High voltage automatic grounding switch. 2,891,130, 6-16-59, Cl. 200-145.
- Foti, Arem, and H. W. Kennelty, Jr., to I-T-E Circuit Breaker Co. High voltage automatic grounding switch. 2,891,129, 6-16-59, Cl. 200-145.
- Fotiades, Spyros M. Automatic book and sheet-binding machine. 2,897,522, 8-4-59, Cl. 11-1.
- Fotiades, Spyros M. Clasp, binder and key. 2,903,766, 9-15-59, Cl. 24-107.
- Fotis, Peter, Jr.: See—
- Esmay, Donald L., Fotis, and Wilson. 2,881,234.
- Fotis, Peter, Jr., to Standard Oil Co. Production of solid polyethylene by a catalyst consisting essentially of an alkali metal and an adsorbent alumina-containing material. 2,887,472, 5-19-59, Cl. 260-94.9.
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Foulds, John P., to General Electric Co. Luminaire. 2,901,594, 8-25-59, Cl. 240-25.  
Foulger, Douglas S. High pressure spearhead attachment. 2,918,286, 12-22-59, Cl. 273-106.5.  
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Beyl, Joseph M. 2,891,319.  
Foundry Equipment Ltd.: See—  
Beech, Austin S. 2,901,791.  
Beech, Austin S., and Spencer. 2,879,905.  
Foundry Services Inc.: See—  
Bonney, John L. V., Jr. 2,874,428.  
Forsythe, Richard P. 2,891,293.  
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Fouquet, Eugene. Process and arrangements for simultaneous lubrication and cooling of the piece of work and the cutting tools during machining operations. 2,914,892, 12-1-59, Cl. 51-267.  
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Fournet, Andre: See—  
Bo, Gilbert M. M., Fournet, Phelisse, and Fichet. 2,884,409.  
Fournet, Marie R. Hospital bed having laterally adjustable spring sections. 2,872,689, 2-10-59, Cl. 5-90.  
Fournier, Albert. Machine for decorating plates or similar objects. 2,874,676, 2-24-59, Cl. 118-301.  
Fournier, Valmar: See—  
Olson, Mark W., Fournier, and Dobbs. 2,873,227.  
Fouse, Frederick Z., to Anchor Hocking Glass Corp. Mold grab. 2,908,114, 10-13-59, Cl. 49-75.  
Fouse, Samuel S., and E. O. Krance, to Westinghouse Electric Corp. Branch bus duct structures. 2,871,285, 1-27-59, Cl. 174-72.  
Foust, Eugene A., to Perfect Circle Corp. Cleaning and recycling mechanism for strip stock. 2,895,489, 7-21-59, Cl. 134-57.  
Foust, James M. Folding platforms. 2,877,058, 3-10-59, Cl. 304-2.  
Foust, William A. Liquid filter cartridge. 2,914,179, 11-24-59, Cl. 210-323.  
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Fowkes, Frederick M., W. M. Sawyer, and M. J. Schick, to Shell Development Co. Foaming detergent compositions. 2,900,346, 8-18-59, Cl. 252-161.  
Fowle, Irving H., to General Aniline & Film Corp. Folding box. 2,875,936, 3-3-59, Cl. 229-6.  
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Fowler, Benjamin T., M. F. Hoare, and H. G. Krischal, to Esso Research and Engineering Co. Low temperature stability of synthetic lubricants. 2,911,368, 11-3-59, Cl. 252-34.  
Fowler, Clarence D. Identification badge holder. 2,874,495, 2-24-59, Cl. 40-1.5.  
Fowler, Curtis O.: See—  
Kuhlenschmidt, Donald, and Fowler. 2,891,754.  
Fowler, Frank C., and J. G. Seay. Process and apparatus for thermal dehydrogenation. 2,877,279, 3-10-59, Cl. 260-683.  
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Fowler, Frank E., and R. J. Minder. Package vending machine. 2,906,577, 9-29-59, Cl. 312-97.1.  
Fowler, George L. Erasure shield for manifold copies. 2,868,347, 1-13-59, Cl. 197-181.  
Fowler, Herbert G. Fishline reel stand. 2,903,196, 9-8-59, Cl. 242-104.  
Fowler, Ival G., and D. W. Dunipace, to Libbey-Owens-Ford Glass Co. Method of producing pattern-cut bent glass sheets. 2,897,632, 8-4-59, Cl. 49-79.  
Fowler, Ivan L., and L. A. K. Watt, to United States of America, Atomic Energy Commission. Geiger-Muller type counter tube. 2,917,647, 12-15-59, Cl. 313-93.  
Fowler, Jack C.: See—  
Ferguson, Lachlan G., and Fowler. 2,872,052.  
Fowler, Jesse C. Boom attachment for fork lift truck. 2,873,873, 2-17-59, Cl. 214-620.  
Fowler, John L., to The Fairley Aviation Co. Ltd. Aircraft controls. 2,912,193, 11-10-59, Cl. 244-83.  
Fowler, Leslie L., to Barnes Drill Co. Combined gravity separator and filter. 2,876,904, 3-10-59, Cl. 210-298.  
Fowler, Preston L., Jr., to The American Tobacco Co. Feeding mechanism for cigarette-making machine. 2,910,071, 10-27-59, Cl. 131-21.  
Fowler, Raymond L.: See—  
Colman, Harry, and Fowler. 2,910,940.  
Fowler, Richard G., to United States of America, Navy. Transfer cathode thyatron. 2,900,550, 8-18-59, Cl. 313-189.  
Fowler, Ron: See—  
Dixon, Eric W. C., and Fowler. 2,909,136.  
Fowler, William F.: See—  
Driscoll, William T., Fowler, and Hellmann. 2,887,380.  
Fowkes, George V. Laminated skate wheel. 2,878,071, 3-17-59, Cl. 301-5.3.  
Fox, Arnold M., and A. L. Horelick, to McGraw-Edison Co. Magnetic core. 2,898,565, 8-4-59, Cl. 336-217.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Non-reciprocal wave transmission. 2,875,416, 2-24-59, Cl. 333-24.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Transmission line network. 2,883,627, 4-21-59, Cl. 333-5.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Gyration wave transmission networks. 2,884,600, 4-25-59, Cl. 333-9.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Wave transducer. 2,886,785, 5-12-59, Cl. 333-21.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Non-reciprocal wave transmission. 2,890,328, 6-9-59, Cl. 250-13.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Non-reciprocal wave transmission. 2,891,224, 6-16-59, Cl. 333-98.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Non-reciprocal wave transmission. 2,896,174, 7-21-59, Cl. 333-10.  
Fox, Arthur G., to Bell Telephone Laboratories, Inc. Nonreciprocal circuit element. 2,913,678, 11-17-59, Cl. 333-9.  
Fox, Benjamin. Single and multiple tier assembly for quick detachable connector. 2,888,660, 5-26-59, Cl. 339-110.  
Fox, Benjamin, deceased; B. E. Fox, executrix. Measuring system. 2,896,161, 7-21-59, Cl. 324-79.  
Fox, Bessie E.: See—  
Fox, Benjamin. 2,896,161.  
Fox Bros. Mfg.: See—  
Fox, Reed F. 2,876,821.  
Fox, Carl J., to M. E. Warren. Vertically adjustable support for table tops and the like. 2,875,007, 2-24-59, Cl. 311-39.  
Fox, Charles H., Jr., to Union Carbide Corp. Sorting device. 2,892,530, 6-30-59, Cl. 198-33.  
Fox, David A., deceased, by C. S. Quarles, administrator, to L. Q. Fox, V. F. Pierson, and S. J. Fox. Direct reversing internal combustion engine. 2,881,744, 4-14-59, Cl. 123-41.  
Fox, David S.: See—  
Berke, Nicholas E., Williams, and Fox. 2,891,720.  
Fox, Delmer C. Christmas tree stand. 2,879,019, 3-24-59, Cl. 248-44.  
Fox, Dorothea D. Adjustable panty skirt. 2,893,015, 7-7-59, Cl. 2-212.  
Fox, Edgar C., Jr., C. G. Helmick, Jr., and S. J. Campbell, to Westinghouse Electric Corp. Motor control system. 2,871,430, 1-27-59, Cl. 318-30.  
Fox, Gerald B., to The Hobart Mfg. Co. Dishwasher. 2,884,935, 5-5-59, Cl. 134-72.  
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Fox, Harry A., Jr., to AMP Inc. Stabilized crimped connections. 2,906,987, 9-29-59, Cl. 339-115.  
Fox, Harry D.: See—  
Stamm, Robert H., Fox, and Steed. 2,884,078.  
Fox, Harry F., Jr.: See—  
Caplis, George W., and Fox. 2,913,697.  
Fox, Herbert C., and R. E. Franklin, to Kershaw Mfg. Co., Inc. Adzing apparatus for railroad crossties. 2,887,135, 5-19-59, Cl. 144-133.  
Fox, Herbert S.: See—  
Hasell, Henry P., Fox, and Zilahi. 2,876,589.  
Hasell, Henry P., Fox, and Zilahi. 2,876,590.  
Hasell, Henry P., Fox, and Zilahi. 2,876,900.  
Fox, Homer M., to Phillips Petroleum Co. Rocket motor. 2,868,127, 1-13-59, Cl. 102-49.  
Fox, Homer M., to Phillips Petroleum Co. Continuous combustion power plant. 2,874,539, 2-24-59, Cl. 60-39.02.

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Fox, Homer M., to Phillips Petroleum Co. Compression-ignition engine operation. 2,877,749, 3-17-59, Cl. 123-1.  
Fox, Homer M., to Phillips Petroleum Co. Combustion stabilization control system responsive to oxidant concentration. 2,878,643, 3-24-59, Cl. 60-35.6.  
Fox, Homer M., to Phillips Petroleum Co. Compression-ignition engine operation. 2,902,984, 9-8-59, Cl. 123-1.  
Fox, Homer M., to Phillips Petroleum Co. Operation of solid propellant rockets. 2,917,594, 12-22-59, Cl. 60-35.6.  
Fox, Howard L. Water conducting downspout attachment. 2,898,939, 8-11-59, Cl. 138-46.5.  
Fox, Jack J., and R. M. White, to Phillips Petroleum Co. Fluid proportioning. 2,893,412, 7-7-59, Cl. 137-3.  
Fox, James E., Jr., to Pan American Petroleum Corp. Feeder. 2,918,331, 12-22-59, Cl. 302-49.  
Fox, John E.: See—  
Eby, Roy T., and Fox. 2,879,310.  
Fox, John E. Bottle drying rack. 2,879,900, 3-31-59, Cl. 211-74.  
Fox, John P.: See—  
Warren, Robert C. 2,877,480.  
Fox, John W., and V. E. Hart, to The Clark Controller Co. Conveyor controls. 2,883,036, 4-21-59, Cl. 198-82.  
Fox, Joseph H. Composite pile. 2,874,446, 2-24-59, Cl. 61-53.  
Fox, Louis A., to Kunkle Valve Co. Relief valve. 2,906,289, 9-29-59, Cl. 137-508.  
Fox, Louise Q.: See—  
Fox, David A. 2,881,744.  
Fox, Martin, to The Seng Co. Rocker spring for platform rocker. 2,871,916, 2-3-59, Cl. 155-71.  
Fox, Martin, to The Seng Co. Swivel chair iron. 2,876,051, 3-3-59, Cl. 308-227.  
Fox, Martin, to The Seng Co. Davenport bed. 2,900,646, 8-25-59, Cl. 5-13.  
Fox, Martin, to The Seng Co. Sofa bed. 2,907,053, 10-6-59, Cl. 5-12.  
Fox, Marvin: See—  
Gurnitsky, David H., Powell, and Fox. 2,914,454.  
Fox, Morris. Amusement device. 2,903,816, 9-15-59, Cl. 46-1.  
Fox, Norman T. Latch for a connecting hose for trailers and the like. 2,875,496, 3-3-59, Cl. 24-254.  
Fox Paper Co., The: See—  
Walker, Charles B. 2,882,802.  
Fox Products Co.: See—  
Godshalk, James B. 2,915,086.  
Medlar, Lewis A. 2,892,906.  
Medlar, Lewis A. 2,899,623.  
Fox, Reed F. Golf ball washer. 2,876,473, 3-10-59, Cl. 15-21.  
Fox, Reed F., to Fox Bros. Mfg. Pivoted roll can straightener. 2,876,821, 3-10-59, Cl. 153-32.  
Fox, Richard J., and L. C. Oakes, to United States of America, Atomic Energy Commission. Coaxial control rod drive mechanism for neutronic reactors. 2,881,619, 4-14-59, Cl. 74-25.  
Fox, Richard M., to The O. M. Scott & Sons Co. Bag structure with pocket. 2,867,372, 1-6-59, Cl. 229-56.  
Fox, Robert B., and D. L. Vonezky, to United States of America, Navy. Aliphatic and aromatic phosphorus-mercury compounds and method of preparing same. 2,877,251, 3-10-59, Cl. 260-431.  
Fox, Robert L., and J. A. Smith, to Railway Maintenance Corp. Power-operated track wrench. 2,898,792, 8-11-59, Cl. 81-54.  
Fox, Robert M.: See—  
Cockburn, Stanley D., and Fox. 2,904,365.  
Fox, Robert M., to General Motors Corp. Spring clip. 2,894,302, 7-14-59, Cl. 24-73.  
Fox, Robert M., and R. A. Grout, to General Motors Corp. Rear compartment lock striker. 2,886,365, 5-12-59, Cl. 292-341.18.  
Fox, Robert P., to Clyde Iron Works, Inc. Level luffing attachment for cranes. 2,888,150, 5-26-59, Cl. 212-58.  
Fox, Russell P.: See—  
Gruke, Carl A., and Fox. 2,879,187.  
Gruke, Carl A., and Fox. 2,880,123.  
Fox, Samuel. Apparatus for pattern grading of wearing apparel. 2,885,784, 5-12-59, Cl. 33-12.  
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Dauksner, Walter J., and Fox. 2,881,321.  
Fox, Sidney M., M. S. Blizharz, and R. Winterbottom, to American Cyanamid Co. Refining of tetracycline antibiotics by direct mash extraction. 2,875,247, 2-24-59, Cl. 260-559.  
Fox, Susan J.: See—  
Fox, David A. 2,881,744.  
Fox, William C., and H. L. Clark, to The Sessions Clock Co. Timing mechanism. 2,905,778, 9-22-59, Cl. 200-39.  
Fox, William J., to The Distillers Co. Ltd. Alkyl 3-alkoxypropionates. 2,910,503, 10-27-59, Cl. 260-484.  
Fox, William P., to Merriman Bros., Inc. Boat hook. 2,889,797, 6-9-59, Cl. 114-221.  
Foxboro Co., The: See—  
Allen, Albert, and Spink. 2,896,656.  
Anderson, Bernard E. 2,900,816.  
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Cushman, Robert W., and Steensen. 2,910,649.  
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Ehrisman, Henry O., and Drinker. 2,896,709.  
Freitas, Manuel P. 2,901,739.  
Fuller, David H. 2,912,858.  
Hannula, Fred W. 2,876,404.  
Kamp, Johannes J., and Smals. 2,887,878.  
Kawler, Richard P. 2,888,655.  
Olsen, Everett O. 2,917,715.  
Smith, Graydon. 2,902,680.  
Sturgeon, Stocker S., and Handel. 2,867,119.  
Swift, Willard E., Jr. 2,884,535-9.  
Swift, Willard E., Jr. 2,919,351.  
Foxon, Henry J.: See—  
Sowter, Anthony B., and Foxon. 2,894,323.  
Fox River Mfg. Co.: See—  
Schroeder, Simon E. 2,867,131.  
Schroeder, Simon E. 2,867,132.  
Schroeder, Simon E. 2,871,718.  
Schroeder, Simon E. 2,891,498.  
Fox River Tractor Co.: See—  
Salberlich, Erwin W. 2,881,024.  
Salberlich, Erwin W. 2,891,655.  
Foy, John R.: See—  
Ely, Charles M., and Foy. 2,899,308.  
Foye, Allen B.: See—  
Alholm, Wayne I., Campbell, Foye, Lynn, and Shanklin. 2,907,300.  
Foye, Allen B., to W. R. Grace & Co. Expandable diaphragm as a cushion in loose packed bottles. 2,880,900, 4-7-59, Cl. 215-40.  
Foynd, Kjeld, to Elektrokemisk A/S. Clamp members for supporting electrodes. 2,884,475, 4-28-59, Cl. 13-16.  
Foynd, Kjeld, and E. Gornitzka, to Elektrokemisk A/S. Furnace for steel production. 2,868,860, 1-13-59, Cl. 13-9.  
Foynd, Kjeld, and E. Tommelstad, to Elektrokemisk A/S. Electrode holder for electric smelting furnace. 2,915,573, 12-1-59, Cl. 13-16.  
Fozard, Ethel M. Method and apparatus for removal of superfluous hair. 2,888,927, 6-2-59, Cl. 128-303.13.  
Frachon, Marc. Control switches. 2,912,530, 11-10-59, Cl. 200-31.  
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Heidecke, Reinhold, and Fraderich. 2,889,095.  
Fraebel, Robert J., and E. K. Irre, to The Garrett Corp. Life saving flotation device. 2,876,468, 3-10-59, Cl. 9-17.  
Fraga, Frank M. Hitch. 2,872,990, 2-10-59, Cl. 172-449.  
Fraga, Frank M. Adjustable hitch for offset disc plows. 2,874,975, 2-24-59, Cl. 280-467.  
Fraga, Frank M. Compensating hitch. 2,888,997, 6-2-59, Cl. 172-448.  
Fragale, Eleanor M. Clothes hamper. 2,895,782, 7-21-59, Cl. 312-290.  
Fragola, Cnesar F.: See—  
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Fraber, John T., to Consolidated Electrodynamics Corp. Vitreous enamel. 2,907,665, 10-6-59, Cl. 106-49.  
Frakes, Hershal S., to J. F. Tapp, and to E. A. Tapp. Signaling means for oil filter. 2,879,892, 3-31-59, Cl. 210-90.  
Frakes, James H., to Westinghouse Electric Corp. Bushing for electrical apparatus. 2,889,395, 6-2-59, Cl. 174-140.  
Frallick, Jack F., to Continental Can Co., Inc. Dispensing container with friction mounted cap. 2,901,142, 8-25-59, Cl. 220-42.  
Frallick, Jack F., to Continental Can Co., Inc. Tablet box. 2,906,428, 9-29-59, Cl. 220-31.  
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Duzich, John J. 2,893,561.  
Fitzgerald, Joseph N., Gernhardt, and Redmon. 2,872,043.  
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Paton, Joseph H., Sherrill, and Vander Pyl. 2,901,949.  
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Frame S.A.: See—  
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Frame, Thomas E., and G. R. Vaughan, to United States of America, Air Force. Cathode ray tube deflection circuit. 2,919,379, 12-29-59, Cl. 315-26.  
Frampton, Vernon L.: See—  
King, William H., Altschul, Dechary, and Frampton. 2,873,191.  
Francavillo, Thomas. Storage racks. 2,911,107, 11-3-59, Cl. 211-78.  
France, Albert F., II, to Burroughs Corp. Navigational instrument. 2,904,889, 9-22-59, Cl. 33-61.  
France, Edward L., and J. A. Hardman, to Utah Scientific Research Foundation. Vehicle and steerable endless tread therefor. 2,878,883, 3-24-59, Cl. 180-9.1.  
France, Herbert A. Shoe case. 2,906,407, 9-29-59, Cl. 211-34.  
France, Rollin C., and H. P. Wade, to The Standard Products Co. Lock structure for a vehicle deck lid or the like. 2,873,602, 2-17-59, Cl. 70-139.  
Franceschini, Lorenzo, to Officine Galileo Societa per Azioni. Shutter device for cameras provided with two or more objectives. 2,869,446, 1-20-59, Cl. 95-62.



Francesco Vesmaria S.p.A.: See—  
Cavallini, Guido, and Massarani. 2,885,434.

Francioni, Roy: See—  
Ferriss, Frederick, and Gainfort. 2,879,726.

Francis, Charles B., to Puriron Chemicals, Inc. Metallurgical pickling. 2,877,146, 3-10-59, Cl. 134-13.

Francis, Charles B., to Puriron and Chemicals, Inc. Production of ferrous sulfate. 2,880,062, 3-31-59, Cl. 23-126.

Francis, Charles E., and N. Bulman, to Shell Development Co. Water-in-oil emulsion lubricants. 2,894,910, 7-14-59, Cl. 252-42.7.

Francis, Charles E., and J. J. Weaver, to Shell Development Co. Water-in-oil lubricant and hydraulic fluid. 2,907,714, 10-6-59, Cl. 252-33.3.

Francis, Frederick G., and D. J. Neale, to Caribonum Ltd. Leucauramine derivate of benzoyl leuco-methylene blue and transfer sheet coated therewith. 2,915,415, 12-1-59, Cl. 117-36.

Francis, Geoffrey. Carport parking device. 2,917,190, 12-15-59, Cl. 214-16.1.

Francis, Gerald A., to Hurd Lock and Mfg. Co. Assembling and securing apparatus. 2,909,950, 10-27-59, Cl. 73-1.

Francis, Howard T.: See—  
Feinlieb, Morris, Francis, and Graft. 2,902,531.

Francis, John P. Automobile windshield weather protector. 2,869,562, 1-20-59, Cl. 135-5.

Francis, John P. Fastening device. 2,873,007, 2-10-59, Cl. 189-36.

Francis, John P. Supporting brackets for automobile awnings. 2,913,211, 11-17-59, Cl. 248-229.

Francis, Joseph E., to Holley Carburetor Co. Engine governor mechanism. 2,867,196, 1-6-59, Cl. 123-103.

Francis, Kenneth G.: See—  
McIntire, John W., and Francis. 2,910,961.

Francis, Louis. Adjustable cleaning implement. 2,867,831, 1-13-59, Cl. 15-23.4.

Francis, Norman L., and E. P. Berg, to Link-Belt Co. Heat exchanger. 2,884,229, 4-28-59, Cl. 257-81.

Francis, Norman L., and M. J. Erisman, to Link-Belt Co. Heat exchanger. 2,899,176, 8-11-59, Cl. 257-86.

Francis, Samuel R., and P. J. Gray, to The Slipplan Corp. High density electronic packaging. 2,911,572, 11-3-59, Cl. 317-101.

Francis, Stanley A.: See—  
Christensen, Edward R., and Francis. 2,914,581.

Francis, Wallace R., to General Electric Co. Heating panel. 2,868,936, 1-13-59, Cl. 201-69.

Francis, Wallace R., to General Electric Co. Adjustable panel mounting for cord connector. 2,869,094, 1-13-59, Cl. 339-59.

Francis, Wallace R., said Francis assor. to General Electric Co. Prefolded cord and method of making same. 2,902,535, 9-1-59, Cl. 174-69.

Francis, Walter C., Jr.: See—  
Greenwood, Marvin H., and Francis. 2,890,714.

Francis, William C., to T. R. Hopkins, to Spencer Chemical Co. Amination of alpha-balo-epsilon-caprolactams. 2,876,218, 3-3-59, Cl. 260-239.3.

Francisco, Allen C.: See—  
Maxwell, William A., Gurnick, and Francisco. 2,893,102.

Francisco, Cecil J., and T. H. Schultz, to Sinclair Refining Co. Catalytic cracking system. 2,871,186, 1-27-59, Cl. 208-147.

Frank, Ernest W., and S. A. Schettini, to Reeves Soundcraft Corp. Method of applying a magnetic sound track stripe to a film. 2,879,176, 3-24-59, Cl. 117-44.

Frank, George E., to The Imperial Brass Mfg. Co. Tube bending tool. Re. 24,726, 10-27-59, Cl. 153-40.

Frank, George E., to The Imperial Brass Mfg. Co. Flaring tool. 2,892,480, 6-30-59, Cl. 153-79.

Frank, George E., to The Imperial Brass Mfg. Co. Flaring and burnishing tool with lost motion connection. 2,893,464, 7-7-59, Cl. 153-79.

Frank, George E., to The Imperial Brass Mfg. Co. Fluid charge dispenser. 2,893,603, 7-7-59, Cl. 222-83.

Frank, George E., to The Imperial Brass Mfg. Co. Tube coupling allowing limited axial movement of the tube. 2,912,262, 11-10-59, Cl. 285-231.

Frank, George E., and H. L. Philippe, to The Imperial Brass Mfg. Co. Soap dispenser. 2,898,016, 8-4-59, Cl. 222-501.

Frank, Heinz G.: See—  
Moehle, Eduard, Max, and Frank. 2,885,406.

Frank, Jack V., to United States of America, Atomic Energy Commission. Cavity excitation circuit. 2,909,731, 10-20-59, Cl. 331-9.

Frank, Jack V., P. S. Broadhead, and E. W. Skiff, to United States of America, Atomic Energy Commission. Measuring projector. 2,895,053, 7-14-59, Cl. 250-202.

Frank, Kurt, to Holophane Co., Inc. Ceiling luminaire. 2,887,568, 5-19-59, Cl. 240-93.

Frank, Robert J., to Superior Steel & Malleable Castings Co. Vehicle axle. 2,911,262, 11-3-59, Cl. 301-124.

Franken, Jan C.: See—  
Brulning, Hajo, Franken, and Schagen. 2,869,024.

Van Alphen, Pieter M., van Doorn, and Franken. 2,882,432.

Franken, Jan C., to North American Philips Co., Inc. Cathode-ray tube for the reproduction of colour television images. 2,890,362, 6-9-59, Cl. 313-85.

Frankl, Josef, and J. S. Logudice, to Owens-Illinois Glass Co. Sealing glass parts. 2,918,757, 12-29-59, Cl. 49-82.

Franco-British Electrical Co. Ltd., The: See—  
Brackensy, Auguste H. 2,867,049.

Franco, George A.: See—  
Alphenaar, Arthur W., Baxter, and Franco. 2,897,269.

Franco, Vincent B., to Vincraft Inc. Waterproof plastic heating pad. 2,873,352, 2-10-59, Cl. 219-46.

Francois, Marcel, to Societe Nouvelle de Tuyaux Flexibles et de Forge (S.N.T.F.)-Electroforge. Flexible pipes. 2,879,803, 3-31-59, Cl. 138-56.

Francois, Paul A. Agricultural semi-trailers. 2,892,659, 6-30-59, Cl. 298-22.

Francotte, Pierre G.-J. Frame construction. 2,888,718, 6-2-59, Cl. 20-11.

Frane, William R., and M. C. Gillis, to Pan American Petroleum Corp. Gas lifting dually-completed wells. 2,896,547, 7-28-59, Cl. 103-238.

Frangell, Albert A.: See—  
Hornung, James W. 2,919,085.

Frangoulis, Stannates I.: See—  
Newell, William H., Burgess, Zabb, and Frangoulis. 2,888,195.

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Frank, Anton R., and W. H. Giles, to Van Buren Machine Corp. Wrapping mechanism and a method of wrapping articles. 2,911,774, 11-10-59, Cl. 53-27.

Frank, Anton R., and W. H. Giles, to Van Buren Machine Corp. Wrapping machines. 2,915,867, 12-8-59, Cl. 53-230.

Frank, Benjamin E. Solderless connector. 2,910,525, 10-27-59, Cl. 174-87.

Frank, Bernard E., M. E. Hazen, and F. H. Stroud, to General Motors Corp. Small hole drilling machine. 2,885,914, 5-12-59, Cl. 77-32.4.

Frank, Bernard M. Combined writing plate and price calculator. 2,871,582, 2-3-59, Cl. 35-64.

Frank, Charles E., and H. Greenberg, to National Distillers and Chemical Corp. Polyamides from diphenyladipic acid. 2,880,196, 3-31-59, Cl. 260-78.

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Frank, Charles W., to General Telephone Laboratories, Inc. Multiple relay assembly. 2,903,520, 9-8-59, Cl. 179-27.54.

Frank, Clayton M.: See—  
Agne, Robert W., and Frank. 2,895,197.

Frank, David. Dish box. 2,892,561, 6-30-59, Cl. 220-4.

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Haushalter, Thomas L., and Bergeron. 2,915,884.

Frank, Gunter: See—  
Wegler, Richard, and Frank. 2,884,406.

Frank, Gunter, R. Wegler, and W. Krauss, to Farbenfabriken Bayer Akt. Process for preparing basic N-diepoxydes. 2,891,970, 6-23-59, Cl. 260-348.6.

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Frank, Mark H.: See—  
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Frank, Orville C.: See—  
Shaw, Ernest C., Frank, and Jackson. 2,893,452.

Frank, Paul A., and R. R. Curtis, to Curtis Automotive Devices, Inc. Jet pulse engine and starting and running fuel system. 2,872,783, 2-10-59, Cl. 60-39.14.

Frank, Peter. Heel rest for pulling-over machines. 2,875,456, 3-3-59, Cl. 12-123.

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Frank, Ralph W., Sr.: See—  
Frank, Ralph W., Jr. 2,889,637.

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Frank, Raymond G., to F. J. Stokes Corp. Proportional pressing. 2,888,715, 6-2-59, Cl. 18-59.3.

Frank, Raymond G., to F. J. Stokes Corp. Pill press apparatus. 2,906,214, 9-29-59, Cl. 107-1.

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Frank, S. M., & Co., Inc.: See—  
Fassbender, Fred. 2,881,773.

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Frank, Wallace J., to Jersey Production Research Co. Method of tracing the flow of water. 2,868,625, 1-13-59, Cl. 23-230.

Frank, Yale J. Means for displaying clothing ensembles. 2,879,929, 3-31-59, Cl. 223-91.

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Franke, Egon: See—  
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Franke, Erich and Egon, to Firma Franke & Heydrich K.G. Bearings. 2,917,351, 12-15-59, Cl. 308-174.

Franke, Erwin: See—  
Opderbeck, Fritz, Franke, and Trapp. 2,893,919.

Franke, Gerhard E., to Klockner-Humboldt-Deutz Akt. Cylinder head. 2,891,523, 6-23-59, Cl. 123-32.

Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate: See—  
Bretthauer, Hermann, and Albrecht. 2,912,913.

Heidecke, Reinhold, Bretthauer, and Madge. 2,869,396.

Heidecke, Reinhold, Bretthauer, and Madge. 2,912,912.

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Franke, Norman W., and P. B. Kelly, to Gulf Research & Development Co. Oxidation of naphthenic acids to polybasic acids. 2,890,247, 6-9-59, Cl. 260-537.

Franke, Walter: See—  
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Frankel Associates, Inc.: See—  
Bossi, Fulvio. 2,900,492.

Frankel, Burton, and F. B. Cupp, to Clevite Corp. Echo elongator. 2,887,671, 5-19-59, Cl. 340-3.

Frankel, Harry: See—  
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Frankel, Milton B., and K. Klager, to Aerojet-General Corp. Polynitro amino dialkanoate. 2,880,232, 3-31-59, Cl. 260-482.

Frankel, Morris. Packaging or wrapping devices. 2,884,183, 4-28-59, Cl. 229-88.

Frankel, Morris. Plastic containers. 2,915,214, 12-1-59, Cl. 220-31.

Frankel, Samuel R.: See—  
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Frankel, Sydney, to Web Controls Corp. Oil-cooled electromagnetic brake or clutch. 2,884,107, 4-28-59, Cl. 192-84.

Frankel, Sydney, to Web Controls Corp. Control device. 2,884,495, 4-28-59, Cl. 200-61.13.

Frankel, Wm. W.: See—  
Briteher, Charles W. 2,869,482.

Franken, Adrianus J. J.: See—  
Van Dorsten, Adrianus C., and Franken. 2,910,603.

Franken, Wilhelm: See—  
Schwank, Gunther, and Franken. 2,870,830.

Frankenberg, Henry E.: See—  
Henchert, John, and Frankenberg. 2,899,096.

Frankenfeld, Bruce E., and A. E. Miller, to Western Electric Co., Inc. Rolling mill conveyor control systems. 2,900,852, 8-25-59, Cl. 80-43.

Frankenhoff, Charles A. Fly ash. 2,892,240, 6-30-59, Cl. 23-157.

Frankenstein, William P. Cake lift. 2,896,534, 7-28-59, Cl. 229-30.

Frankenstein, William P. Cartons. 2,903,174, 9-8-59, Cl. 229-16.

Frankenstein, William P. Carton. 2,916,194, 12-8-59, Cl. 229-33.

Frankenstein, William P. Carton. 2,917,222, 12-15-59, Cl. 229-41.

Frankert, Otto P., to F. L. Smith & Co. Grinding mills with classifying linings. 2,885,155, 5-5-59, Cl. 241-15.3.

Frankfurt, Sander, to Champion Safe Tap Co. Tapping device. 2,883,999, 4-28-59, Cl. 137-170.1.

Frankie, Harry R.: See—  
Frenkel, Marvin A., Frankie, and Burton. 2,880,539.

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Frankie, Harry R., and P. T. Crane. Paper feed. 2,912,240, 11-10-59, Cl. 271-20.

Franklin, Albert W. Resistor grid and method of making. 2,886,854, 5-19-59, Cl. 18-59.

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Franklin, Charles E., to Phillips Petroleum Co. Liquid fertilizer with predetermined nitrogen-phosphorus pentoxide-water ratio. 2,917,380, 12-15-59, Cl. 71-34.

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Franklin, Edna M. Bodice garment. 2,879,515, 3-31-59, Cl. 2-110.

Franklin, Harrison H.: See—  
Keller, Philip B. 2,903,148.

Franklin Institute of the State of Pennsylvania, The: See—  
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Franklin, John B., to Sanford Process Co., Inc. Electrolytic process for producing oxide coatings on aluminum and aluminum alloys. 2,897,125, 7-28-59, Cl. 204-58.

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Franklin, Leslie U.: See—  
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Gebhart, Julius C., and Franklin. 2,884,234.

Franklin, Leslie U., and J. C. Gebhart, to Gulf Oil Corp. Sulfonate and sulfo-carboxylate containing sodium base grease. 2,889,280, 6-2-59, Cl. 252-33.2.

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Franklin, Philip J.: See—  
Schwarz, Meyer, and Franklin. 2,895,000.

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Dunbar, Alver, Hausmann, and Johnson. 2,907,681.

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Franklin, Richard E.: See—  
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Franklin, William E. Mailbox. 2,902,211, 9-1-59, Cl. 232-17.

Franklin, William J.: See—  
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Franks, Charles E., to United States Steel Corp. Device for packaging coiled material. 2,868,370, 1-13-59, Cl. 206-65.

Franks, Norvin H., to Union Asbestos & Rubber Co. Framing connector. 2,895,186, 7-21-59, Cl. 20-95.

Frans, Robert D. Opening device. 2,900,716, 8-25-59, Cl. 30-16.

Fransen, Jacobus, to North American Philips Co., Inc. X-ray tube voltage control circuit. 2,870,340, 1-20-59, Cl. 250-103.

Fransen, Jan J. B., to North American Philips Co., Inc. Getter holder. 2,881,909, 4-14-59, Cl. 206-4.

Fransson, Frans J., to Svenska Aktiebolaget Gasaccumulator. Arrangement in directed radio beacons. 2,892,190, 6-23-59, Cl. 343-107.

Fransson, Frans J., and T. U. L. Burmeister, to Svenska Aktiebolaget Gasaccumulator. Radio beacon of complementary code type. 2,904,784, 9-15-59, Cl. 343-107.

Fransson, Fritz W.: See—  
Ullström, Thord U., and Fransson. 2,904,946.

Fransson, Otto I. Luminous chartreading and orientation device. 2,891,326, 6-23-59, Cl. 35-62.

Frant, Martin S.: See—  
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Earley, James J., and Frantz. 2,873,799.

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Franz, Heinrich: See—  
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- Fraser, Hermann: See—  
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Franz, Raymond A., to Monsanto Chemical Co. Acetylene solvent. 2,868,328, 1-13-59, Cl. 183-115.  
Franzblau, Abraham and R. Window construction. 2,917,792, 12-22-59, Cl. 20-52.2.  
Franzblau, Robert: See—  
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Wheelock, Charles E., and Franzus. 2,876,214.  
Frasch, Mary E. Foldable copyholder and supporting standard. 2,918,038, 12-22-59, Cl. 120-33.  
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Fraser, Clark L. Dual purpose gear puller and driver. 2,872,728, 2-10-59, Cl. 29-256.  
Fraser, Donald, deceased, G. C. Fraser, executrix, to National Research Council. Icing detector. 2,914,755, 11-24-59, Cl. 340-234.  
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Parkinson, Martin C., Fraser, and Bender. 2,907,663.  
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Fraser, Herbert C.: See—  
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Fraser, Julius T., to General Precision Laboratory Inc. Machine programming control. 2,870,389, 1-20-59, Cl. 318-162.  
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Stillwagon, George B., Jr. 2,873,591.  
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Fraser, Robert W., to United-Carr Fastener Corp. Electrical switch. 2,899,511, 8-11-59, Cl. 200-61.81.  
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Fraser, Walter A., to Servo Corp. of America. Glass composition. 2,883,291, 4-21-59, Cl. 106-47.  
Fraser, Walter B., to Fountain of Youth Properties, Inc. Global exhibitor. 2,883,768, 4-28-59, Cl. 35-48.  
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Frayne, David N.: See—  
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Frazier, Donald, to Midland Machine Corp. Storage rack. 2,895,619, 7-21-59, Cl. 211-147.  
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Frazza, Everett J., and L. Rapoport, to American Cyanamid Co.  $\beta,\beta'$ -dicyanovinyl thioether. 2,916,511, 12-8-59, Cl. 260-465.8.  
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Freche, John C., to United States of America, Navy. Air-cooled blade. 2,896,907, 7-28-59, Cl. 253-39.15.  
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Fredd, John V.: See—  
Schramm, Harry B., and Fredd. 2,894,586.  
Fredd, John V., to Otis Engineering Corp. Locking devices for well tools. 2,871,947, 2-3-59, Cl. 166-219.  
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Fredenburgh-Inglesby, Julius C.: See—  
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Frendall, Gordon L., to Radio Corp. of America. Color television. 2,895,004, 7-14-59, Cl. 178-54.  
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Frederick, Ralph A. Caps for collapsible tube dispensers. 2,878,976, 3-24-59, Cl. 222-498.  
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Fredrick, Arden H., and L. T. Winship, to General Precision Laboratory Inc. Q-gated amplifier. 2,900,455, 8-18-59, Cl. 179-171.  
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Fredrickson, Vern P., to Andersen Corp. Window casing construction. 2,867,014, 1-6-59, Cl. 20-74.  
Fredrickson, Vern P., and L. W. Ward, to Andersen Corp. Window structure. 2,867,009, 1-6-59, Cl. 20-42.  
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Freedman, Louis, S. L. Shapiro, and K. Gelger, to U.S. Vitamin Corp. N-methylglucamine salts of alpha-naphthyl and acyl 1,3-indandione and methods of using same. 2,919,229, 12-29-59, Cl. 167-65.  
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Freedman, Robert and Richard. Straight line switch. 2,889,427, 6-2-59, Cl. 200-104.  
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- Freeman, Robert L., to A. C. Nielsen Co. Apparatus and system for determining and recording the transmitting station to which a wave signal receiver is tuned. 2,892,885, 6-30-59, Cl. 178-5.8.
- Freeman, Robert L., and C. H. Currey, to A. C. Nielsen Co. Lamp control circuit. 2,884,567, 4-28-59, Cl. 315-208.
- Freeman, Robert M. Remote control for automatic pilots of marine vessels or other moving bodies. 2,891,205, 6-16-59, Cl. 318-19.
- Freeman, Robert W., to Daystrom, Inc. Reset mechanism for dial indicator. 2,918,819, 12-29-59, Cl. 73-363.7.
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- Freeman, Silas D., Jr., to Phillips Petroleum Co. Method and apparatus for contacting fluid with contact mass. 2,884,376, 4-28-59, Cl. 208-147.
- Freeman, Stephen E., to Freeman Chemical Corp. Use of cellular material in packaging articles. 2,895,603, 7-21-59, Cl. 206-46.
- Freeman, Sydney W., to General Railway Signal Co. Railway block signaling apparatus. 2,888,553, 5-26-59, Cl. 246-41.
- Freeman, Walter R., to Wagner Electric Corp. Ratio changer. 2,903,100, 9-8-59, Cl. 188-152.
- Freeman, Walter R., to Wagner Electric Corp. Ratio changer. 2,912,070, 11-10-59, Cl. 188-152.
- Freeman, Warren R. Wire cutter. 2,873,524, 2-17-59, Cl. 30-182.
- Freeman, William A., Jr., and M. Roth, to Jersey Production Research Co. Method of drilling. 2,898,086, 8-4-59, Cl. 255-1.8.
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- Freeport Sulphur Co.: See—  
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- Hyde, Richard W., and Feick. 2,902,345.
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- Freezel, James R., and L. M. M., to Gadget-Of-The-Month Club, Inc. Foldable portable bed board. 2,885,695, 5-12-59, Cl. 5-317.
- Freez-King Corp.: See—  
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- Frehn, Fritz, to Deutsche Edelstahlwerke Aktiengesellschaft. Process of producing powdered or granular metallic material. 2,909,808, 10-27-59, Cl. 18-47.3.
- Frehs, Walter C., to The General Tire & Rubber Co. Honeycomb plastic door gasket. 2,908,949, 10-20-59, Cl. 20-69.
- Frei, André, to Belmag Zurich Beleuchtungs-U. Metallindustrie, A.G. Lamp bowl support. 2,887,569, 5-19-59, Cl. 240-128.
- Frei Arthur J., to General Motors Corp. Freezing device. 2,874,552, 2-24-59, Cl. 62-344.
- Frei, Arthur J., to General Motors Corp. Freezing device. 2,886,958, 5-19-59, Cl. 62-359.
- Frei, Arthur J., to General Motors Corp. Ice making apparatus. 2,907,179, 10-6-59, Cl. 62-135.
- Frei, Arthur J., to General Motors Corp. Freezing device power unit. 2,908,146, 10-13-59, Cl. 62-135.
- Frei, Arthur J., and R. C. Davis, to General Motors Corp. Ice cube tray. 2,895,312, 7-21-59, Cl. 62-365.
- Frei, Emil. Undergarment. 2,873,743, 2-17-59, Cl. 128-524.
- Freiberg, Albert D. Score board. 2,893,347, 7-7-59, Cl. 116-135.
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- Freiberg, Stanley B., deceased; R. B. Freiberg, executrix, to Acme Visible Records, Inc. Strip assembly for use in preparing lists photographically. 2,888,932, 6-2-59, Cl. 129-16.
- Freibott, Leonard W., to Crown City Die Casting Co. Adjustable handle and mounting flange construction for shower valves. 2,896,222, 7-28-59, Cl. 4-191.
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- Freitag, August M. A., to de Spa & Fils, Societe en Commandite par Actions. Universal truing machines for cards. 2,885,837, 5-12-59, Cl. 51-242.
- Freitas, Manuel P., to The Foxboro Co. Data scanner monitoring alarm system. 2,901,739, 8-25-59, Cl. 340-213.
- Frejaceques, Jean L. M., to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Purification of CO<sub>2</sub> and NH<sub>3</sub>. 2,904,393, 9-15-59, Cl. 23-2.
- Frekko, Eugene F., to Cornell-Dubiller Electric Corp. Washing electrolytic capacitor sections. 2,893,410, 7-7-59, Cl. 134-144.
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- Frelick, Jacob P., to Phillips Petroleum Co. Feed distributor for fluid reactants and particulate solids. 2,917,455, 12-15-59, Cl. 208-166.
- Freilisen, Carlton B., to Joy Mfg. Co. Hydraulic conveyor swing and take-up. 2,895,591, 7-21-59, Cl. 198-109.
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- O'Connor, Bernard E., and French. 2,878,756.
- French, Beverly H. Portable scaffolding. 2,892,661, 6-30-59, Cl. 304-3.
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- French, Gordon R. Cast cutting device. 2,878,806, 3-24-59, Cl. 128-91.
- French, Gordon W., to Beasley, French & Co. Ltd. Sheet feeding and stacking apparatus. 2,872,190, 2-3-59, Cl. 271-87.
- French, Hector E. Loose-leaf binders. 2,911,977, 11-10-59, Cl. 129-41.
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- Frenkel, Lothar, to General Dynamics Corp. Coding and decoding device utilizing a cathode ray type tube. 2,887,612, 5-19-59, Cl. 315-21.
- Frenkel, Marvin A., H. R. Frankie, and R. M. Burton; said Burton assor. to said Frenkel. Decal stamping machine. 2,880,539, 4-7-59, Cl. 41-1.
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- Frentzel, Herman C., to Appleton Wire Works Inc. Loom shuttles. 2,876,802, 3-10-59, Cl. 139-125.
- Frentzel, Herman C. Belt splice formers. 2,890,549, 6-16-59, Cl. 51-142.
- Frenzl, Otto, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. High-speed wind tunnels. 2,914,941, 12-1-59, Cl. 73-147.
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- Frerer, Paul G., and M. R. Lewis, to Controls Co. of America. Timer. 2,906,329, 9-29-59, Cl. 161-1.
- Frerer, Paul G., and J. N. Yamasaki, to Controls Co. of America. Timer. 2,906,330, 9-29-59, Cl. 161-1.
- Frelich, Kenneth E., to Sylvania Electric Products Inc. Wire cutting and bending machine. 2,915,103, 12-1-59, Cl. 153-16.
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- Fresard, Marcel, and B. Glaninazzi, to Mefina S.A. Adjustable stop. 2,883,868, 4-28-59, Cl. 74-96.
- Fresch, Eugene M. Meat-product. 2,918,374, 12-22-59, Cl. 99-107.
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- Freudiger, Ernst, to S. Lambert, A.G. Gear hobbling machine. 2,891,450, 6-23-59, Cl. 90-4.
- Freund, Robert R., to Phillips Petroleum Co. Valve. 2,893,680, 7-7-59, Cl. 251-30.
- Freund, Rudolf E.: See—  
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- Freundlich, Martin M., to Cutler-Hammer, Inc. Waveguide window. 2,882,502, 4-14-59, Cl. 333-98.
- Freutel, Kenneth A., to Lindberg Engineering Co. Induction heating apparatus. 2,905,798, 9-22-59, Cl. 219-10.43.
- Frevert, Robert E., to Crippen Mfg. Co. Cleaning and grading machines. 2,908,391, 10-13-59, Cl. 209-315.
- Frey, Cleon F., to Standard Coil Products Co. Inc. Cascode television tuner with stages having interrelated space discharge currents and common gain control. 2,894,125, 7-7-59, Cl. 250-20.
- Frey, Cleon F., and M. F. Melvin. Circuit breaker device. 2,910,561, 10-27-59, Cl. 200-116.
- Frey, Edward, to The Massillon-Cleveland-Akron Sign Co. Banner mounting construction. 2,882,630, 4-21-59, Cl. 40-125.
- Frey, Edward, to The Massillon-Cleveland-Akron Sign Co. Tow target construction. 2,907,095, 10-6-59, Cl. 28-80.
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- Frey, Edward J., to General Motors Corp. Colored electrical terminals. 2,892,175, 6-23-59, Cl. 339-113.
- Frey, Erik. Carriage moving apparatus for typewriters. 2,886,160, 5-12-59, Cl. 197-84.
- Frey, Frederick E., to Phillips Petroleum Co. Removal of metal contaminants from hydrocarbon liquids and improved hydrocarbon conversion process. 2,870,081, 1-20-59, Cl. 208-88.
- Frey, George J. Air heating unit. 2,891,535, 6-23-59, Cl. 126-110.
- Frey, Gerard G. Brake fluid signal. 2,894,093, 7-7-59, Cl. 200-84.
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- Frey, Hans-Helmut, and R. Huth, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Stabilization of perfluorochlorolefin polymers. 2,907,742, 10-6-59, Cl. 260-45.95.
- Frey, Julius, J. Ott, and H. Brinkmann, to L. Schuler, A.G. Magnetically operated drive release and brake. 2,908,369, 10-13-59, Cl. 192-144.
- Frey, Louis E. Bed spring. 2,890,464, 6-16-59, Cl. 5-320.
- Frey, Louis E., to Duo-Bed Corp. Combined sofa bed and end table. 2,904,796, 9-22-59, Cl. 5-2.
- Frey, Otto: See—  
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- Frey, Raymond M., to McGraw-Edison Co. Furfural-alcohol-thiophene resin compositions. 2,868,746, 1-13-59, Cl. 260-23.5.
- Frey, Raymond M., to McGraw-Edison Co. Furan resin compositions including tall oil and an aromatic aldehyde. 2,868,747, 1-13-59, Cl. 260-23.5.
- Freyermuth, Harlan B.: See—  
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- Freyholdt, Helmut A., and F. M. McCown, to Industrial Park Corp. Duct construction. 2,912,013, 11-10-59, Cl. 138-75.
- Freynik, Henry S., to H. K. Porter Co. (Delaware). Four-drinker wire belt, wire, and alloy composition thereof. 2,918,094, 12-22-59, Cl. 139-425.
- Freyssinet, Eugene. Surface areas of pre-stressed concrete and their method of construction. 2,910,921, 11-3-59, Cl. 94-8.
- Freyssinet, Pierre: See—  
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- Freytag, Helmut: See—  
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- Freytag, Jean: See—  
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- Friauf, George F.: See—  
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- Fribance, Austin E.: See—  
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- Fribance, Austin E., and R. A. Hunt, to Rochester Mfg. Co., Inc. Ammeter. 2,867,768, 1-6-59, Cl. 324-146.
- Friberg, Vincent P., to General Instrument Corp. Tuned transformer assembly. 2,889,522, 6-2-59, Cl. 333-78.
- Frick, Charles H.: See—  
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- Frick, Charles H., to General Motors Corp. Power plant control mechanism. 2,884,807, 5-5-59, Cl. 74-665.
- Frick, Charles H., to General Motors Corp. Governing device for engines. 2,916,040, 12-8-59, Cl. 137-47. \*
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- Frick, Egon, to Orenstein-Koppel und Lubecker Maschinenbau Akt. Scoop wheel. 2,892,271, 6-30-59, Cl. 37-189.
- Frick, Wilhelm E., to J. R. Geigy, A.G. Halo substituted sulfanilides. 2,867,658, 1-6-59, Cl. 260-551.
- Frick, William H. Rotatable rubber bumper. 2,885,821, 5-12-59, Cl. 45-137.
- Fricke, Gerhard, to National Research Corp. High vacuum. 2,893,624, 7-7-59, Cl. 230-69.
- Fricke, Roger H., and J. A. Liggett, to Radio Corp. of America. Microwave bypass capacitor. 2,875,386, 2-24-59, Cl. 317-257.
- Fricker, Rolf: See—  
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- Ohliger, Helmut, and Fricker. 2,895,938.
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- Frickert, Philip J., and R. G. Russell, to Owens-Corning Fiberglass Corp. Method and apparatus for producing staple like yarn from continuous strand. 2,886,877, 5-19-59, Cl. 28-1.
- Fricke, Richard E., to Alden Products Co. Automatic start-stop circuit for facsimile recorders. 2,873,315, 2-10-59, Cl. 178-69.5.
- Fricke, Richard E., to Alden Products Co. Blanking circuit. 2,918,525, 12-22-59, Cl. 178-6.6.
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- Friday, Paul D., to Paper Maid, Inc. Container with cover lock. 2,873,057, 2-10-59, Cl. 229-2.5.
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- Chall, Harold J. 2,886,237.
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- Ellerbeck, Grant C. 2,868,453.
- Ellerbeck, Grant C. 2,872,115.
- Ellerbeck, Grant C. 2,889,985.
- Ellerbeck, Grant C. 2,914,247.
- Glazier, Robert C., and Zickler. 2,873,924.
- Glazier, Robert C., and Zickler. 2,874,318.
- Grobl, Jon E., and Zickler. 2,883,105.
- Hawthorne, Nathaniel F. 2,908,441.
- Malavazos, Arthur J. 2,909,320.
- Malavazos, Arthur J., and Hawthorne. 2,911,142.
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- Rutland, David F., and Barclay. 2,868,454.
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- Fridge, David S., Sr. Cotton roll holder. 2,914,852, 12-1-59, Cl. 32-35.
- Fridrich, Elmer G., to General Electric Co. Electroluminescent lamp construction. 2,901,652, 8-23-59, Cl. 313-108.
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- Fried, John H., and J. G. Sandza, to Stauffer Chemical Co. Production of citric acid. 2,910,409, 10-27-59, Cl. 195-36.
- Fried, Josef: See—  
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- Herz, Josef E., and Fried. 2,901,492.
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- Thoma, Richard W., and Fried. 2,880,217.
- Fried, Josef, to Olin Mathieson Chemical Corp. 11a, 12b-dimethyl-3,4,5,6-tetrahydro-2H-pyran-2-one. 2,891,076, 6-16-59, Cl. 260-397.3.
- Fried, Josef, and R. W. Thoma, to Olin Mathieson Chemical Corp. Synthesis of 1,2-dehydro steroid by cyclindrocapon radical or fusarium javanicum. 2,868,694, 1-13-59, Cl. 195-51.



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- Fried, Joseph W. Chamfering and deburring tool. 2,868,045, 1-13-59, Cl. 77-73.5.
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- Fried, Sherman: See—  
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- Friedberg, Harry, to Waste King Corp. Incinerator burner construction. 2,887,074, 5-19-59, Cl. 110-8.
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- Friedell, Morley V., to C. A. Norgren Co. Methods and apparatus for generating an aerosol. 2,890,765, 6-16-59, Cl. 184-55.
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- Friedman, Allan. Shutter mechanisms for photocomposing apparatus. 2,905,068, 9-22-59, Cl. 95-4.5.
- Friedman, Barry: See—  
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- Friedman, Benjamin. Hypodermic syringes. 2,904,043, 9-15-59, Cl. 128-218.
- Friedman, Bernard S., to Sinclair Refining Co. Carbonylation of saturated hydrocarbons. 2,874,186, 2-17-59, Cl. 260-514.
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- Friedman, Herbert. Gas detection. 2,918,578, 12-22-59, Cl. 250-43.5.
- Friedman, Herbert, and T. A. Chubb. Ultra-violet gas analysis. 2,901,625, 8-25-59, Cl. 250-43.5.
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- Friedman, Isidore H., Jr.,  $\frac{1}{2}$  to Delta Tank Mfg. Co., Inc., and  $\frac{1}{2}$  to Fuller Co. Discharge vessel with mixing gate. 2,915,341, 12-1-59, Cl. 302-53.
- Friedman, John H., to The National Machinery Co. Gap mill control. 2,887,915, 5-26-59, Cl. 80-26.
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- Friedman, Ralph, to A. J. Schneerson & Son, Inc. Ladies' slip. 2,907,331, 10-6-59, Cl. 128-454.
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- Friedman, Robert G., to The National Machinery Co. Metal drawing and feeding apparatus. 2,880,854, 4-7-59, Cl. 205-16.
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- Friedman, Sol. Fish feeding device. 2,900,022, 8-18-59, Cl. 161-10.
- Friedman, Solomon, to The Osborn Mfg. Co. Brush construction. 2,874,399, 2-24-59, Cl. 15-169.
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- Friedrich, Robert E., to Westinghouse Electric Corp. Circuit interrupter. 2,900,478, 8-18-59, Cl. 200-150.
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- Friedrich, William W. Internal combustion engine. 2,882,874, 4-21-59, Cl. 123-50.
- Friedrichs, Georges, to Societe Anonyme dite Compagnie Generale de Metrologie. Protective network system for an electric universal measuring instrument. 2,902,651, 9-1-59, Cl. 324-110.

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- Friel, Patrick. I-beam attachment clamp. 2,868,485, 1-13-59, Cl. 248-59.
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- Friesche & Hoepfner G.m.b.H.: See—  
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- Frink Sno-Flows, Inc.: See—  
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- Frishy, Raymond A. Self-measuring carbide drills. 2,886,291, 5-12-59, Cl. 255-61.
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- Frisch, Norman W., and A. F. Preuss, Jr., to Rohm & Haas Co. Ceric complex oxidative ion-exchange resins and their preparation. 2,906,714, 9-29-59, Cl. 260-21.
- Frischmann, Karl, to Ernst Letzt, G.m.b.H. Mechanism for coarse and fine adjustment. 2,914,952, 12-1-59, Cl. 74-10.5.
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- Frisius, Edward N., to California Research Corp. Inhibitor solution, and method of inhibiting oil well corrosion therewith. 2,885,359, 5-5-59, Cl. 252-8.55.
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- Fritsch, Daniel, to Hamilton Watch Co. Driving mechanism for an index wheel. 2,897,680, 8-4-59, Cl. 74-126.
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- Fritsch, Werner: See—  
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- Fritsche, O.: See—  
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- Fritsche, Rudolf. Method and apparatus for processing printing plates. 2,903,550, 9-8-59, Cl. 219-35.
- Fritschl, Walter W., to Bell Telephone Laboratories, Inc. Transistor gating circuit. 2,883,474, 4-21-59, Cl. 179-84.
- Fritschl, Walter W., and A. Weaver, to Bell Telephone Laboratories, Inc. Magnetic core circuits. 2,914,617, 11-24-59, Cl. 179-18.
- Fritschle, Arthur. Tool for removing type metal from type casting machine mouthpieces. 2,894,273, 7-14-59, Cl. 15-104.05.
- Fritts, James A.: See—  
Fleekop, Fred, and Fritts. 2,917,308.
- Fritts, Lois L.: See—  
Gruenhagen, Richard H., and Fritts. 2,897,113.
- Fritts, Robert W., to Minnesota Mining and Mfg. Co. Thermoelectric generator. 2,906,801, 9-29-59, Cl. 136-4.
- Fritts, Robert W., to Minnesota Mining and Mfg. Co. Electrical device. 2,915,724, 12-1-59, Cl. 338-23.
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- Fritts, Robert W., and S. Karrer, to Minnesota Mining and Mfg. Co. Thermoelectric heat pump. 2,896,005, 7-21-59, Cl. 136-5.
- Fritz, Bernhard: See—  
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- Fritz, Conrad M.: See—  
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- Fritz, Gerhard: See—  
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- Fritz, Karl H. Apparatus for bright-annealing of metals. 2,899,192, 8-11-59, Cl. 266-5.
- Fritz, Martin: See—  
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- Fritz, Robert J.: See—  
Arey, William F., Jr., and Fritz. 2,880,160.
- Fritz, Robert J., to Esso Research and Engineering Co. Continuous polymerization process and apparatus. 2,889,314, 6-2-59, Cl. 260-94.9.
- Fritz, William E., to Enterprise Railway Equipment Co. Hopper door operating mechanism. 2,888,884, 6-2-59, Cl. 105-250.
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- Fritze, Marvin E., and J. W. Smith, said Smith assor. to J. C. Fennelly Co. Sandblasting tool and method. 2,884,745, 5-5-59, Cl. 51-11.
- Fritzing, George H., to McGraw-Edison Co. Mounting of sheet records. 2,902,333, 9-1-59, Cl. 346-138.
- Fritzing, George H. Devices for handling tape. 2,906,426, 9-29-59, Cl. 216-30.
- Fritzing, George H., to McGraw-Edison Co. Sheet record machine. 2,906,585, 9-29-59, Cl. 346-127.
- Fritzing, George H., to McGraw-Edison Co. Juke box and recordation-transfer machine therefor. 2,908,767, 10-13-59, Cl. 179-100.2.
- Fritzing, George H. Adhesive applicators. 2,909,301, 10-20-59, Cl. 216-29.
- Fritzing, George H., to McGraw-Edison Co. Mounting arrangements for sheet records. 2,919,136, 12-29-59, Cl. 274-17.
- Fritzen, David W. Animated light mechanism. 2,913,572, 11-17-59, Cl. 240-10.1.
- Fritz, Adolf. Machine with taping and tape-cutting arrangement for transporting sheets such as veneer sheets. 2,884,030, 4-28-59, Cl. 144-2.
- Fritz, Gerhard, to Safe Stop Corp. Brake for vehicles. 2,877,869, 3-17-59, Cl. 188-5.
- Fritz, Walter: See—  
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- Froberg, Charles H., Jr. Adjustable angle plates. 2,871,768, 2-3-59, Cl. 90-59.
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- Froehlich, Harold E., to General Mills, Inc. Balloon and fitting for balloon ends. 2,880,946, 4-7-59, Cl. 244-31.
- Froehlich, Kurt, to Nordberg Mfg. Co. High compression spark ignited gas engine and method. 2,914,041, 11-24-59, Cl. 123-1.
- Froehlich, Ernest J., to Sterling Drug Inc. Canine distemper vaccine and its preparation. 2,912,361, 11-10-59, Cl. 167-78.
- Frohardt, Roger P., T. H. Haskell, J. Ehrlich, and M. P. Knudsen, to Parke, Davis & Co. Antibiotic and methods for obtaining same. 2,916,485, 12-8-59, Cl. 260-211.
- Frobbach, Harold O., E. F. Gill, J. S. Marran, and A. J. Romano, to Chart-Pak, Inc. Tape dispenser. 2,918,189, 12-22-59, Cl. 216-20.
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- Frohlich, Adolf, to The Cleveland Trust Co., as trustee. Pneumatic tire building apparatus. 2,887,148, 5-19-59, Cl. 154-9.
- Frohlich, Adolf, to The Cleveland Trust Co., as trustee. Vulcanizing press. 2,904,831, 9-22-59, Cl. 18-17.
- Frohlich, Adolf, to The Cleveland Trust Co., as trustee. Clamping device. 2,910,110, 10-27-59, Cl. 154-9.
- Frohlich, Adolf, and E. J. Harris, to The Cleveland Trust Co., trustee. Expandable bead ring for vulcanizing presses. 2,904,832, 9-22-59, Cl. 18-17.



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- Froehlich, Adolf H., and E. J. Harris, to The Cleveland Trust Co. Cut-off machinery for fabric piles. 2,873,802, 2-17-59, Cl. 164-75.
- Froehlich, Adolf H., and E. J. Harris, said Froehlich assor. to The Cleveland Trust Co., trustee. Apparatus and method for shaping and vulcanizing pneumatic tires. 2,880,458, 4-7-59, Cl. 18-17.
- Froehlich, Adolf H., and E. J. Harris, to The Cleveland Trust Co., trustee. Sectional vulcanizing apparatus. 2,895,169, 7-21-59, Cl. 18-45.
- Froehlich, Adolf H., and E. J. Harris. Bagless vulcanizing press. 2,901,771, 9-1-59, Cl. 18-17.
- Froehlich, Adolf H., and E. J. Harris, to The Cleveland Trust Co. Sealing ring for recapping presses. 2,901,772, 9-1-59, Cl. 18-18.
- Froehlich, Adolf H., and E. J. Harris, to The Cleveland Trust Co., trustee. Double acting sealing ring for vulcanizing pneumatic tires. 2,904,833, 9-22-59, Cl. 18-17.
- Froehlich, Adolf H., and E. J. Harris, to The Cleveland Trust Co., trustee. Hinged sealing ring for vulcanizing apparatus. 2,904,834, 9-22-59, Cl. 18-17.
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- Froehlich, Hans, to Bommer Spring Hinge Co., Inc. Hold open devices for single acting swinging doors. 2,875,468, 3-3-59, Cl. 16-55.
- Froehlich, Hans, to Bommer Spring Hinge Co., Inc. Hold open devices for double acting swinging doors. 2,880,449, 4-7-59, Cl. 16-55.
- Froehner, Johann B. Clamping devices or couplings. 2,893,742, 7-7-59, Cl. 279-2.
- Froitzheim, Hans: See—
- Reichle, Alfred, and Froitzheim. 2,885,729.
- Froland, Olav, to McGraw-Edison Co. Switch operating means. 2,891,122, 6-16-59, Cl. 200-92.
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- Frolow, Jack L. Timing apparatus. 2,903,881, 9-15-59, Cl. 73-6.
- Froman, Darol K., to United States of America, Atomic Energy Commission. Push-pull power reactor. 2,875,143, 2-24-59, Cl. 204-154.2.
- Fromer, Emile S. Electric light socket. 2,874,366, 2-17-59, Cl. 339-141.
- Fromm, Ferdinand, to Spintex Spinnerei Maschinenbau, G.m.b.H. Drive for combing beams and cards of textile spinning machines. 2,882,737, 4-21-59, Cl. 74-75.
- Fromm, Leonard W., Jr., to United States of America, Atomic Energy Commission. Recovery of valuable material from graphite bodies. 2,903,402, 9-8-59, Cl. 204-1.5.
- Fromm, Robert, to W. & R. Fromm Corp. Elastic boot lace. 2,887,006, 5-19-59, Cl. 87-1.
- Fromm, W. & R. Corp.: See—
- Fromm, Robert. 2,887,005.
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- Fubini, Eugene G., and Fromm. 2,913,686.
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- Frost, Thomas P. Combination well packer and pumping assembly. 2,876,708, 3-10-59, Cl. 103-181.
- Frost, Thomas P. Well tool running and retrieving device. 2,885,010, 5-5-59, Cl. 166-219.
- Frost, Thomas P. Well tool running and retrieving device. 2,885,011, 5-5-59, Cl. 166-219.
- Frost, Wade W., to David A. Freeman. Presser attachment for shirt folding machines. 2,907,503, 10-6-59, Cl. 223-52.1.
- Frostad, Lars, to The Porter-Cable Machine Co. Power operated elliptical motion tool. 2,884,789, 5-5-59, Cl. 74-43.
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- Frostick, Frederick C., Jr., and B. Phillips, to Union Carbide Corp. Epoxy-vinyl monomers and method of preparing the same. 2,883,398, 4-21-59, Cl. 260-348.
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- Fruendt, Adel J. High-load capacity, taper bearing swivel. 2,918,335, 12-22-59, Cl. 308-227.
- Fruengel, Frank. Quick-responsive spark gap device. 2,886,737, 5-12-59, Cl. 313-352.
- Fruengel, Frank. Method and system for operating X-ray tubes. 2,899,562, 8-11-59, Cl. 250-98.
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- Fry, Donald R. Rechargeable battery capsule. 2,876,410, 3-3-59, Cl. 320-48.
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- Fry, William J. Thermoelectric transducer. 2,919,356, 12-29-59, Cl. 310-4.
- Fry, William J. and F. J., to Interscience Research Corp. Mechanical heart. 2,917,751, 12-22-59, Cl. 3-1.
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- Fryklund, Robert A., to Raytheon Mfg. Co. Depth sounding devices. 2,869,109, 1-13-59, Cl. 340-3.
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- Fuchs, Francis J., Jr., to Western Electric Co., Inc. Apparatus for making zero-radius bends in rectangular tubing. 2,873,786, 2-17-59, Cl. 153-20.
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- Fuchs, Francis J., Jr., to Western Electric Co., Inc. Universal mandrel. 2,916,077, 12-8-59, Cl. 153-63.
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- Fuchs, Francis J., Jr., and R. H. Hall, to Western Electric Co., Inc. Mandrel for making small radius bends in tubes of rectangular configuration. 2,902,077, 9-1-59, Cl. 153-63.
- Fuchs, Francis J., Jr., and R. H. Hall, to Western Electric Co., Inc. Mandrel for making small radius tubular bends. 2,902,078, 9-1-59, Cl. 153-63.
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- Fuchs, Irvin J., to General Electric Co. Automatic clothes dryer control. 2,878,579, 3-24-59, Cl. 34-45.
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- Fuchsman, Charles H., L. I. Charnas, and S. B. Elliott, to Ferro Corp. Photosensitive composition of matter and method of making same. 2,905,554, 9-22-59, Cl. 96-27.
- Fuchsman, Charles H., L. I. Charnas, and S. B. Elliott, to Ferro Corp. Photosensitive composition of matter and method of making same. 2,905,555, 9-22-59, Cl. 96-27.
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- Fuge, Harry B., to The Singer Mfg. Co. Motor controls for winding machines. 2,896,140, 7-21-59, Cl. 318-6.
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- Fuji, Chojiro. Pile fabric. 2,887,131, 5-19-59, Cl. 139-402.
- Fujima, Hisatomu, and M. Yoshida. Process for the manufacture of synthetic textiles. 2,906,000, 9-29-59, Cl. 28-72.
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- Lusted, Emile W. 2,915,340.
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- Beck, Raymond C. 2,898,619.
- Caisse, Paul G. 2,899,699.
- Fuller Co.: See—
- Loomis, Robert F. 2,891,817.
- Weller, Leo G. 2,901,133.
- Fuller, Calvin S., and G. L. Pearson, to Bell Telephone Laboratories, Inc. Lightning surge protecting apparatus. 2,896,128, 7-21-59, Cl. 317-61.
- Fuller, David H., to The Foxboro Co. Proportional photoelectric flow measurement system. 2,912,858, 11-17-59, Cl. 73-209.
- Fuller, Dennis Q., to Pye Ltd. Transistors. 2,875,385, 2-24-59, Cl. 317-235.
- Fuller, Dennis Q., to Pye Ltd. Wired broadcasting system. 2,876,279, 3-3-59, Cl. 178-5.6.
- Fuller, Dennis Q., to Pye Ltd. Semi-conductor devices. 2,876,401, 3-3-59, Cl. 317-235.
- Fuller, Edward J., and G. W. Pate, to Sperry Rand Corp. Radar system evaluator. 2,874,380, 2-17-59, Cl. 343-17.1.
- Fuller, Edwin O., and J. W. Anderson, to J. W. Anderson. Cosmetic fountain brush. 2,905,956, 9-29-59, Cl. 15-136.
- Fuller, Frank C. Soil pipe cleanout extension. 2,911,001, 11-3-59, Cl. 137-362.
- Fuller, Golden W.: See—
- Emerson, John R., Fuller, and Richards. 2,894,740.
- Fuller, Gordon L.: See—
- McMinn, Charles E., and Fuller. 2,889,441.
- Fuller, Harrison W., S. P. Woodsum, and W. T. Darou, Jr., to Laboratory For Electronics, Inc. Magnetic head assemblies. 2,913,536, 11-17-59, Cl. 179-100.2.
- Fuller, Ira W. Display element in relief for an advertising sign. 2,870,558, 1-27-59, Cl. 40-126.
- Fuller, Ira W. Method of making an advertising sign. 2,899,765, 8-18-59, Cl. 41-25.
- Fuller, Mack F.: See—
- Catlin, Willard E., and Fuller. 2,904,522.
- Fuller, Mack F., to E. I. du Pont de Nemours and Co. Preparation of alkali metal salts of sulfoethyl starch. 2,883,375, 4-21-59, Cl. 260-233.3.
- Fuller, Mack F., to E. I. du Pont de Nemours and Co. Process of preparing an open cell polyvinyl chloride sponge. 2,888,414, 5-26-59, Cl. 260-2.5.
- Fuller Mfg. Co.: See—
- Backus, Thomas. 2,875,872.
- Backus, Thomas, and Perkins. 2,892,358.
- Backus, Thomas, and Perkins. 2,916,118.
- Hansen, Quinten A. 2,884,106.
- Meyers, Willard F. 2,918,832.
- Fuller, Richard B. Building construction. 2,881,717, 4-14-59, Cl. 108-1.
- Fuller, Richard B. Self-strutted geodesic ptydome. 2,905,113, 9-22-59, Cl. 108-1.



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- Fuller, W. P., & Co.: See—  
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- Fuller, Wilford C., and C. P. Oliver, to Northern Virginia Construction Co., Inc. Prestressed concrete deck. 2,885,382, 5-12-59, Cl. 72-68.
- Fuller, William D., to Engineering Laboratories, Inc. Correlation system. 2,885,590, 5-5-59, Cl. 315-1.
- Fullerton, Thomas J., to Acme Steel Co. Grain car door. 2,871,937, 2-3-59, Cl. 160-368.
- Fülling, Heinrich, K. Schüssler, and H. Rudolph, to Siemens and Halske Akt. System for transmitting teleprinter messages. 2,887,534, 5-19-59, Cl. 179-3.
- Fulmer, Glenn W.: See—  
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- Fulmer, John R., to Geo. D. Roper Corp. Heat radiating means for broiler burners. 2,867,207, 1-6-59, Cl. 126-41.
- Fulps, William C. Midspan connection. 2,887,524, 5-19-59, Cl. 174-43.
- Fulton, Bertram A.: See—  
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- Fulton, Bertram A., to Borg-Warner Corp. One-way clutch. 2,884,102, 4-28-59, Cl. 192-45.1.
- Fulton Co., The: See—  
Fulton, Floyd E. 2,891,824.
- Fulton, Floyd E., to The Fulton Co. Sheet metal winch assembly. 2,891,824, 6-23-59, Cl. 308-22.
- Fulton, Fred P., to Gadget-Of-The-Month Club, Inc. Golf cleat cleaner. 2,912,707, 11-17-59, Cl. 15-105.
- Fulton, George P.: See—  
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- Fulton, James E., to Trimble, Inc. Playyard. 2,908,021, 10-13-59, Cl. 5-99.
- Fulton, John W., and R. A. Kuebler, to General Electric Co. Fluorescent lamp coating machine. 2,892,440, 6-30-59, Cl. 118-56.
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- Fulton, Stanford A. Apparatus for oiling over-head valves of engine. 2,881,863, 4-14-59, Cl. 184-6.
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- Fulvio, Gennaro. Window construction. 2,877,512, 3-17-59, Cl. 20-44.
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- Funderburk, Luther O., Jr. Apparatus for handling concrete aggregates. 2,886,189, 5-12-59, Cl. 214-2.
- Funk Aircraft Co.: See—  
Funk, Howard C. 2,887,199.
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- Funk, Harry C.: See—  
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- Funk, Howard C., to Funk Aircraft Co. Reversing clutch assembly. 2,887,199, 5-19-59, Cl. 192-098.
- Funk, Howard L.: See—  
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- Funk, Albert, to Societe des Usines Chimiques Rhone-Poulenc. Benzodioxan derivatives. 2,887,484, 5-19-59, Cl. 260-247.7.
- Funk, Albert, and H. Raab, to Farbenfabriken Bayer Aktiengesellschaft. Water insoluble monoazo dyestuffs. 2,899,420, 8-11-59, Cl. 260-204.
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- Funkhouser, Mearick, and H. E. Schultze, to General Motors Corp. Inertia controlled shock absorber system. 2,869,685, 1-20-59, Cl. 188-87.
- Funnell, William F., to Radio Corp. of America. Demand shear with means to alternately brake and accelerate a continuously moving web. 2,898,995, 8-11-59, Cl. 164-42.
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- Furey, Lawrence M., to United States of America, Army. Pull-release clamp for steel bands. 2,914,828, 12-1-59, Cl. 24-23.
- Furey, Michael J., to Esso Research and Engineering Co. Titanium coordination compounds as corrosion inhibitors. 2,891,910, 6-23-59, Cl. 252-42.7.
- Furey, Michael J., and R. A. Westlund, Jr., to Esso Research and Engineering Co. Asphalt cutback, hard film rust preventive. 2,872,334, 2-3-59, Cl. 106-271.
- Furey, Michael J., and E. O. Forster, to Esso Research and Engineering Co. Thin film rust prevention. 2,883,289, 4-21-59, Cl. 106-14.
- Furey, Stanley R. Fishing rod cradle. 2,917,258, 12-15-59, Cl. 248-40.
- Furford, Julius M. Cranberry picking and pruning machine. 2,915,871, 12-8-59, Cl. 56-330.
- Furgason, Clyde A., to Ladish Co. High strength alloy steels. 2,919,188, 12-29-59, Cl. 75-128.
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- Furman, Frank J., and R. V. Simpson, to International Business Machines Corp. Wire printer. 2,889,770, 6-9-59, Cl. 101-93.
- Furman, Frank J., O. F. Moneagle, and R. V. Simpson, to International Business Machines Corp. Wire printer. 2,907,270, 10-6-59, Cl. 101-93.
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- Furman, Frank M.: See—  
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- Furman, Kenneth E.: See—  
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- Furman, Kenneth E., to Shell Development Co. Preparation of carboxylic acids from carbon monoxide and mercaptans. 2,913,491, 11-17-59, Cl. 260-540.
- Furman, Louis J., and L. L. Krasnow, to Todding, Inc. Work clamp having a combined rectilinear and pivotal motion. 2,908,205, 10-13-59, Cl. 90-59.
- Furman, Walter F., and H. T. Harrison, to The Duraloy Co. Nickel alloy. 2,892,703, 6-30-59, Cl. 75-128.
- Furn, Hans H. Key with ejector means. 2,882,710, 4-21-59, Cl. 70-414.
- Furn, Hans H. Container closure and dispensing device. 2,916,190, 12-8-59, Cl. 222-517.
- Furnas Electric Co.: See—  
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- Furness, Charles W., to United States of America, Army. Corneal clamp. 2,881,500, 4-14-59, Cl. 24-243.
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- Furniss, Loree E., to The Buckeye Steel Castings Co. Railway coupler butt end and follower. 2,875,906, 3-3-59, Cl. 213-72.
- Furniss, Loree E., to The Buckeye Steel Castings Co. Railway coupler guard arm. 2,881,927, 4-14-59, Cl. 213-151.
- Furniss, Loree E., to The Buckeye Steel Castings Co. Retaining means for coupler carrier. 2,899,083, 8-11-59, Cl. 213-61.
- Furno, Gaetan and H. Means for arranging, transporting, distributing and receiving coins. 2,909,280, 10-20-59, Cl. 206-82.
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- Furrer, John R., to ACF Industries, Inc. Entrance for railway passenger cars. 2,872,881, 2-10-59, Cl. 105-443.
- Furrer, John R., to ACF Industries, Inc. System for transporting highway trailers by rail. 2,901,986, 9-1-59, Cl. 105-368.
- Furrer, John R., to ACF Industries, Inc. Articulated rail car with individually guided axles. 2,908,229, 10-13-59, Cl. 105-3.
- Furrer, John R., to ACF Industries, Inc. Spring suspension for lightweight vehicle. 2,908,233, 10-13-59, Cl. 105-453.
- Furrer, John R., and G. Runken, to A C F Industries, Inc. Vehicle truck. 2,900,924, 8-25-59, Cl. 105-199.
- Furrer, John R., and G. Runken, to ACF Industries, Inc. Lightweight car truck. 2,917,005, 12-15-59, Cl. 105-157.
- Furrer, Rud., Sohne A. G.: See—  
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- Furrer, Rudolf H., and F. F. Wiegand, to Rud. Furrer Sohne A. G. Hanging folder. 2,877,772, 3-17-59, Cl. 129-16.7.
- Furst, Stefan. Winding machine. 2,908,029, 10-13-59, Cl. 15-301.
- Furth, John V.: See—  
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- Fusco, James J., to The Sandy Hill Iron & Brass Works. Head box. 2,876,684, 3-10-59, Cl. 92-44.
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- Fusco, James V., and S. B. Mirviss, to Esso Research and Engineering Co. Resins from steam-cracked streams copolymerized with fulvene-type compounds. 2,898,325, 8-4-59, Cl. 260-82.

- Fusco, Raffaello, G. Losco, and M. Perini, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Process for preparing dialkylidithiophosphoric acid ester derivatives having two amide groups in the molecule and the insecticidal compounds obtained thereby. 2,901,481, 8-25-59, Cl. 260-268.
- Fusco, Victor C.: See—  
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- Fuschl, Antonio T., to Torre Safety Devices Co. Trailer coupler lock. 2,917,322, 12-15-59, Cl. 280-432.
- Fuss, William H. Conduit support assembly. 2,880,949, 4-7-59, Cl. 248-70.
- Fuss, William H. Outlet box and fixture support adapter. 2,914,601, 11-24-59, Cl. 174-63.
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- Fye, Ronald L., to McLanahan & Stone Corp. Log washer log and gudgeon and method and apparatus for assembling the gudgeon with and removing same from the log. 2,899,806, 8-18-59, Cl. 64-5.
- Fye, Ronald L., to McLanahan & Stone Corp. Log washer. 2,900,177, 8-18-59, Cl. 259-130.
- Fye, Ronald L., to McLanahan & Stone Corp. Triple roll crusher. 2,905,396, 9-22-59, Cl. 241-37.
- Fyler, George W., and G. Strachanow, to Zenith Radio Corp. Focusing and scanning system. 2,918,602, 12-22-59, Cl. 315-22.
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- Gable, Charles M., to Shell Development Co. Epoxidation process. 2,870,171, 1-20-59, Cl. 260-348.5.
- Gabor, Dennis, to National Research Development Corp. Magnetic electron lenses. 2,872,607, 2-3-59, Cl. 313-77.
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- Gabor, Dennis, to Minnesota Mining & Mfg. Co. Magnetic recording media. 2,911,317, 11-3-59, Cl. 117-7.
- Gabor, Dennis, and P. G. Kalman, to National Research Development Corp. Method of and apparatus for depositing coatings on surfaces. 2,872,339, 2-3-59, Cl. 117-33.
- Gabor, William D., to C. G. S. Laboratories, Inc. Ferrite stabilizing system. 2,891,158, 6-16-59, Cl. 250-36.
- Gabor, William D., to C. G. S. Laboratories, Inc. Sweep generator methods and apparatus. 2,906,967, 9-29-59, Cl. 331-178.
- Gabor, William D., and J. L. Stahovec, to C. G. S. Laboratories, Inc. Amplifier-electrical control system. 2,868,896, 1-13-59, Cl. 179-171.
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- Gabriel, Hermann, to Zahnradfabrik Friedrichshafen. Clutch coupling. 2,906,383, 9-29-59, Cl. 192-85.
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- Gabrielsen, Christian, and W. R. Post, to Rowe Mfg. Co., Inc. Ice cream merchandising machine. 2,877,076, 3-10-59, Cl. 312-97.1.
- Gabrielsen, Christian, H. Vorperian, and A. E. Sukovich, to Rowe Mfg. Co., Inc. Aperture delivery cigarette merchandising machine. 2,888,168, 5-26-59, Cl. 221-131.
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- Gach, June E. and R. L., to Daystrom, Inc. Potentiometer. 2,900,614, 8-18-59, Cl. 338-149.
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- Gadbois, Lewis F., to W. H. Miner, Inc. Shock absorbing mechanism. 2,903,143, 9-8-59, Cl. 213-22.
- Gaddis, Arden H., G. G. Hoberg, and R. J. Williams, to Burroughs Corp. Format control for high speed printers. 2,918,659, 12-22-59, Cl. 340-174.
- Gaddis, Gene T., to Minneapolis-Honeywell Regulator Co. Steam heating control system. 2,868,461, 1-13-59, Cl. 237-9.
- Gaddis, Gene T., to Minneapolis-Honeywell Regulator Co. Time scheduled condition control system. 2,898,047, 8-4-59, Cl. 236-46.
- Gaddis, Roy, Jr., to Highway Equipment Co. Material distributing device. 2,893,740, 7-7-59, Cl. 275-2.
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- Gadeberg, Burnett L. Retractable rotary well drilling bit. 2,876,994, 3-10-59, Cl. 255-61.
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Gaertner, Van R., to Monsanto Chemical Co. Fungicidal composition comprising the reaction product of a phenylhydrazine with carbon disulfide, and the method of preparation. 2,883,321, 4-21-59, Cl. 167-33.  
Gaertner, Van R., to Monsanto Chemical Co. Preparation of 5,8-dihydro-1,4-naphthohydroquinone diacylates. 2,883,417, 4-21-59, Cl. 260-479.  
Gaertner, Van R., to Monsanto Chemical Co. Ketonic organic thiosulfates. 2,897,223, 7-28-59, Cl. 260-453.  
Gaertner, Van R., to Monsanto Chemical Co. Alkylaromatic (sulfobio) acetates. 2,904,582, 9-15-59, Cl. 260-479.  
Gaertner, Van R., to Monsanto Chemical Co. Carboxylated thiosulfates. 2,904,583, 9-15-59, Cl. 260-481.  
Gaertner, Van R., to Monsanto Chemical Co. 3-amino-2,3-dihydro-1,3-thiazine-2-thiones and process of inhibiting fungus growth. 2,909,460, 10-20-59, Cl. 167-33.  
Gaertner, Van R., to Monsanto Chemical Co. Aryldithiocarbamic acid derivatives. 2,914,547, 11-24-59, Cl. 260-429.9.  
Gaertner, Van R., and E. L. Doerr, to Monsanto Chemical Co. Carbohydrate esters of carboxylic acids and methods of preparing same. 2,868,781, 1-13-59, Cl. 260-234.  
Gaertner, Van R., and D. B. Sharp, to Monsanto Chemical Co. Cereals rust eradicant composition comprising a phenylhydrazone derivative and method of use. 2,875,124, 2-24-59, Cl. 167-33.  
Gaertner, Van R., and G. H. Birum, to Monsanto Chemical Co. Sulfonalkyl phosphorothioates and metal salts thereof. 2,879,283, 3-24-59, Cl. 260-461.  
Gaertner, Van R., and G. A. Richardson, to Monsanto Chemical Co. Preparation of polypeptides. 2,904,538, 9-15-59, Cl. 260-78.  
Gaertner, Van R., and G. A. Richardson, to Monsanto Chemical Co. Method of inhibiting growth of plant viruses. 2,913,370, 11-17-59, Cl. 167-30.  
Gaertner, Erwin R.: See—  
Baldwin, George C., Gaertner, and Yeater. 2,902,613.  
Gaetke, Carl F. Splash shield for paint roller. 2,902,706, 9-8-59, Cl. 15-248.  
Gaffey, John R., to Merriman Bros., Inc. Pulpit for boat. 2,905,128, 9-22-59, Cl. 114-3.  
Gaffin, Harry, to The A. P. Smith Mfg. Co. Pipe sleeve and gasket therefor. 2,899,984, 8-18-59, Cl. 138-99.  
Gaffney, Clyde M., Jr. Film strip attachment. 2,900,868, 8-25-59, Cl. 88-19.5.  
Gaffney, Donald J., to Fisher Governor Co. Pneumatic clutch type panel loader for interlock system. 2,891,568, 6-23-59, Cl. 137-495.  
Gaffney, Gerald. Apparatus for heating liquids. 2,878,804, 3-24-59, Cl. 126-362.  
Gaffner, Emil. Pulp wood loader. 2,914,203, 11-24-59, Cl. 214-147.  
Gagarine, Dmitry M., to Deering Milliken Research Corp. Surface cyanoethylated cellulose textile and process of making the same with limited quantities of reagents. 2,904,386, 9-15-59, Cl. 8-116.2.  
Gagarine, Dmitry M., and H. Repokis, to Deering Milliken Research Corp. Method for reducing the pilling tendencies of fabrics. 2,874,069, 2-17-59, Cl. 117-103.  
Gagarine, Dmitry M., and H. Repokis, to Deering Milliken Research Corp. Antistatic compositions for textiles and methods for producing and applying the same. 2,901,451, 8-25-59, Cl. 260-29.2.  
Gage, Edwin G., to Gilbertville Woven Label Corp. Sharpening device for cutting wheel. 2,879,633, 3-31-59, Cl. 51-247.  
Gage, Fred W., and A. W. Tondreau, to Warner Bros. Pictures, Inc. Travelling matte photography. 2,870,672, 1-27-59, Cl. 88-16.  
Gage, Harold A., to United States of America, Atomic Energy Commission. Leveling metal coatings. 2,873,209, 2-10-59, Cl. 117-51.  
Gage, Kenneth W.: See—  
Chapman, Charles S., Jr., and Gage. 2,912,876.  
Gage, Robert M., to Union Carbide Corp. Electric metal-arc process and apparatus. 2,868,950, 1-13-59, Cl. 219-74.  
Gage, Thomas B., to E. I. du Pont de Nemours and Co. Process of extruding viscose wherein a formaldehyde containing acid bath solution is contacted with activated charcoal. 2,918,348, 12-22-59, Cl. 18-54.  
Gagen, Charles V., to Ross Gear and Tool Co., Inc. Hydraulic system. 2,896,589, 7-28-59, Cl. 121-46.5.  
Gaggia, Giovanni A., to Brevetti Gaggia S.r.l. Machines for infusing coffee and like liquid extracts. 2,898,844, 8-11-59, Cl. 99-289.  
Gagle, Duane W., C. G. Goss, and W. R. Bowles, to Phillips Petroleum Co. Laminated interlocking block. 2,882,714, 4-21-59, Cl. 72-25.  
Gagle, Duane W., and C. E. Defabaugh, to Phillips Petroleum Co. Bitumen and aggregate composition and a building block molded therefrom. 2,889,231, 6-2-59, Cl. 106-280.  
Gagliano, Louis J., and J. E. Daly. Pigments and process of making them. 2,878,134, 3-17-59, Cl. 106-301.  
Gagnan, Emile: See—  
Gruget, André, Cousteau, and Gagnan. 2,918,061.  
Gagnan, Emile, to La Spirotechnique Societe Anonyme. Open circuit breathing apparatus. 2,875,756, 3-3-59, Cl. 128-142.  
Gagnan, Emile, to La Spirotechnique Societe Anonyme. Open circuit breathing apparatus. 2,878,807, 3-24-59, Cl. 128-142.  
Gagnan, Emile, to La Spirotechnique Societe Anonyme. Open circuit breathing apparatus. 2,902,031, 9-1-59, Cl. 128-142.  
Gagnan, Emile, and J. Y. Cousteau, to La Spirotechnique. Breathing apparatus with cam controlled valve. 2,886,033, 5-12-59, Cl. 128-142.  
Gagne, Archie R. Pipe making apparatus. 2,870,513, 1-27-49, Cl. 25-30.  
Gagner Fibre Products Co.: See—  
Gagner, George E. 2,910,752.  
Scott, Robert E. 2,894,301.  
Scott, Robert E. 2,910,750.  
Gagner, George E., to Gagner Fibre Products Co. Hook head fastener. 2,910,752, 11-3-59, Cl. 24-85.  
Gagnon, Frederick L., Jr.: See—  
Roche, Richard A., Mulinch, and Gagnon. 2,881,991.  
Gagnon, George A., to Admiral Corp. Electronic component attaching head. 2,867,810, 1-13-59, Cl. 1-220.  
Gagnon, George A., to Admiral Corp. Electronic component attaching machine. 2,893,008, 7-7-59, Cl. 1-102.  
Gagnon, Roland K.: See—  
Caroselli, Remus F., and Gagnon. 2,868,668.  
Gahagan, Charles L. Flexible airfoil. 2,872,987, 2-10-59, Cl. 170-159.  
Gahagan, Inc.: See—  
Weaver, Carson E., and Hambor. 2,882,466.  
Gahan, James B.: See—  
Barthel, William F., Alexander, Gahan, and Piquett. 2,886,485.  
Gahlman, Maurice P. Bale unloading device for vehicles. 2,874,859, 2-24-59, Cl. 214-83.22.  
Gahn, Gerhard: See—  
Knoll, Karl, and Gahn. 2,906,009.  
Gabwiler, Hermann A., to Contraves A.G. Electric circuit arrangement. 2,898,481, 8-4-59, Cl. 307-106.  
Gaida, Joseph B. Power door locking system. 2,904,988, 9-22-59, Cl. 70-264.  
Gail, Charles H., to Spring Machinery Co. Bed spring machine. 2,888,960, 6-2-59, Cl. 140-92.8.  
Gall, William A., to The Cleveland Pneumatic Industries, Inc. Submarine ballast door mechanism. 2,918,890, 12-29-59, Cl. 114-16.  
Galliot, Joseph M., Jr., C. M. Wolfe, and H. C. Baker, to General Dynamics Corp. Potentiometer element core. 2,878,349, 3-17-59, Cl. 201-62.  
Galliot, Paul, J. Robert, and J. Gaudechon, to Societe des Usines Chimiques Rhone-Poulenc. Phenothiazine derivatives. 2,891,952, 6-23-59, Cl. 260-243.  
Galliot, Paul, and J. Gaudechon, to Societe des Usines Chimiques Rhone-Poulenc. Phenothiazine derivatives. 2,892,839, 6-30-59, Cl. 260-243.  
Galliot, Paul, and F. Debarre, to Societe des Usines Chimiques Rhone-Poulenc. Phenothiazine derivatives. 2,898,336, 8-4-59, Cl. 260-243.  
Gainer, Gordon C., and D. W. Lewis, to Westinghouse Electric Corp. Bis(chlorophenyl)-tetramethyldisiloxanes. 2,891,981, 6-23-59, Cl. 260-448.2.  
Gainer, William C.: See—  
Seward, Edwin R., and Gainer. 2,898,944.  
Gaines, Clarence F.: See—  
Gaines, John R. and C. F., and De Pew. 2,892,514.  
Gaines, Clarence F. and J. R., C. C. De Pew, and W. J. Carry, said J. R. Gaines, De Pew and Carry assors., to said C. F. Gaines. Sulky including adjustable seat. 2,896,962, 7-28-59, Cl. 280-63.  
Gaines, George L., Jr., to General Electric Co. Mica paper and method of preparing it. 2,914,107, 11-24-59, Cl. 154-2.6.  
Gaines, George L., Jr., to General Electric Co. Method of rendering mica paper moisture resistant and article produced thereby. 2,914,428, 11-24-59, Cl. 117-118.  
Gaines, Harry B., to Saginaw Furniture Shops, Inc. Extension commode. 2,869,956, 1-20-59, Cl. 312-297.  
Gaines, John R.: See—  
Gaines, Clarence F. and J. R., DePew, and Carry. 2,896,962.  
Gaines, John R., and C. F., and C. C. De Pew; said J. R. Gaines, and De Pew assors., to C. F. Gaines. Combined handicapping and safety device for sulkies. 2,892,514, 6-30-59, Cl. 188-17.  
Gainesburgh, Charles B. Toy holster construction. 2,869,768, 1-20-59, Cl. 224-2.  
Gainfort, James R.: See—  
Ferriss, Frederick, and Gainfort. 2,879,726.  
Ferriss, Frederick, and Gainfort. 2,882,841.  
Gair, Albert W., to Thompson Products, Inc. Self-positioning tie rod clamp and turnbuckle assembly. 2,895,756, 7-21-59, Cl. 287-62.

- Gaiser, Paul D. Bullet holder. 2,876,055, 3-3-59, Cl. 312-42.  
Gaiser, Romy A., to Libbey-Owens-Ford Glass Co. Transparent resistance heated panel and method of producing same. 2,877,329, 3-10-59, Cl. 201-73.  
Gaiser, Romy A., to Libbey-Owens-Ford Glass Co. Electrically conducting glass and method for producing same. 2,919,212, 12-29-59, Cl. 117-215.  
Galsman, Henry J. Spirits-aging container. 2,876,692, 3-10-59, Cl. 99-277.1.  
Galte, Harold D., to British Telecommunications Research Ltd. Telegraph distributors. 2,883,453, 4-21-59, Cl. 178-53.1.  
Galte, Harold D., to British Telecommunications Research Ltd. Electric telegraph equipment. 2,892,881, 6-30-59, Cl. 178-2.  
Galtner, Raymond A.: See—  
Falge, Robert N., and Galtner. 2,911,524.  
Todd, Harold E., Meyer, Galtner, Meek, and Wanttaja. 2,880,557.  
Galtner, Raymond A. Torsion bar anti-backlash gear. 2,868,033, 1-13-59, Cl. 74-440.  
Gal-Tronics Corp.: See—  
Radomski, Joseph J., Royle, and Wenrich. 2,877,302.  
Galtren, Walden M., to Soderhamn Machine Mfg. Co. Log conveying system for a debarking machine. 2,916,064, 12-8-59, Cl. 144-24.7.  
Gake, Wendolyn F., C. C. Leffer, W. O. Warner, and E. L. Holmgren, to Kuhlman Electric Co. Mandrel for forming laminated transformer core. 2,878,855, 3-24-59, Cl. 153-64.  
Gal, Andrew, and K. Gerber, to Rockdrill Industries, Inc. Mole and fluid-driven motor therefor. 2,909,155, 10-20-59, Cl. 121-25.  
Gal, Andrew E.: See—  
Martin, Gustav J., Avakian, and Gal. 2,868,690.  
Gala, Donald C.: See—  
Rosenfeld, Azriel, Gross, and Gala. 2,910,910.  
Galanot, Camille P. Traction device for a vehicle with tires or the like. 2,917,095, 12-15-59, Cl. 152-225.  
Galassi, Francis J., to R. E. Maintrain. Assembly of racks to hold articles. 2,909,287, 10-20-59, Cl. 211-55.  
Galat, Alexander. Albumin detecting method and means. 2,897,058, 7-28-59, Cl. 23-230.  
Galavick, Franz, to Landis & Gyr, A.G. Control apparatus for controlling heating systems in dependence on ambient atmospheric conditions. 2,905,388, 9-22-59, Cl. 236-91.  
Galaw, Edmund S.: See—  
Jaffe, Emanuel M., and Galaw. 2,900,889.  
Galbreath, Richard B., to The American Oil Co. Fractionator bubble cap. 2,871,003, 1-27-59, Cl. 261-114.  
Galbrecht, Frank L.: See—  
Sabel, Edward R., and Galbrecht. 2,913,974.  
Gale, Alfred J.: See—  
Dewey, Davis R., II, and Gale. 2,892,946.  
Gale, Alfred J., to High Voltage Engineering Corp. Compact neutron source. 2,907,884, 10-6-59, Cl. 250-84.5.  
Gale, Alfred J., and C. H. Goldie, to High Voltage Engineering Corp. Charging systems for induction-conduction charged belt electrostatic generators. 2,883,606, 4-21-59, Cl. 322-2.  
Gale, Alfred J., and R. J. Connor, to High Voltage Engineering Corp. Method of evacuation. 2,897,036, 7-28-59, Cl. 316-25.  
Gale, James G., to Newco Mfg. Co., Inc. Sling hook. 2,867,024, 1-6-59, Cl. 24-230.5.  
Galeazzi, Franco. Spraying valve for containers of substances mixed with a volatile propellant. 2,898,012, 8-4-59, Cl. 222-394.  
Galeazzi, Roberto. Open-cycle breathing equipment, particularly for skin-divers. 2,874,692, 2-24-59, Cl. 128-142.  
Galeazzi, Roberto. Open-cycle breathing apparatus. 2,882,895, 4-21-59, Cl. 128-141.  
Galelli, Giuseppe. Grooved bow, particularly for stringed musical instruments. 2,901,937, 9-1-59, Cl. 84-282.  
Galender, Julius: See—  
Chase, George O., and Galender. 2,883,431.  
Gales, Robert S., and H. R. Beitscher. Noise attenuator. 2,901,751, 9-1-59, Cl. 2-6.  
Gallimberti, Paolo, to Societa Italiana Prodotti Schering.  $\beta$ -diethylaminoethyl ester of ethyl  $\alpha$ -phenyl- $\alpha$ -ethylmalonate and salts thereof. 2,902,509, 9-1-59, Cl. 260-475.  
Gallin, Robert, and A. L. Everitt, to General Motors Corp. Refrigerating apparatus. 2,911,170, 11-3-59, Cl. 248-15.  
Gallinski, Roman, to The Edro Corp. Heavy duty washing and dry cleaning machine. 2,875,602, 3-3-59, Cl. 68-19.  
Gallulo, Frank L., and G. Mott, Jr., to Electrolux Corp. Centrifugal blowers. 2,915,237, 12-1-59, Cl. 230-117.  
Gall, Donald A., to General Motors Corp. Fuel injection metering system. 2,871,002, 1-27-59, Cl. 261-69.  
Gall, Francis A., and D. M. Danforth, to The Singer Mfg. Co. Converters for vacuum cleaners. 2,871,504, 2-3-59, Cl. 15-338.  
Gall, Francis A., and W. Kreslewski, to The Singer Mfg. Co. Circular canister type vacuum cleaners. 2,892,511, 6-30-59, Cl. 183-44.  
Gall, John C.: See—  
Reid, Harry A., and Gall. 2,898,883.  
Gall, John F., and C. E. Inman, to Pennsalt Chemicals Corp. Fluorinating composition. 2,918,434, 12-22-59, Cl. 252-182.  
Gall, Ralph J.: See—  
Greenspan, Frank P., and Gall. 2,919,283.  
Gallagher, Cornelius A., to Servo Corp. of America. Detector for visual and aural direction finders. 2,871,475, 1-27-59, Cl. 343-113.  
Gallagher, Cornelius A., and W. M. Pellino, to Servo Corp. of America. Hot-box detector. 2,880,309, 3-31-59, Cl. 246-169.  
Gallagher, Kenneth C. Artificial lures. 2,909,864, 10-27-59, Cl. 43-42.48.  
Gallagher, Leo H.: See—  
Cade, Phillip J., Gallagher, and Sibley. 2,913,972.  
Gallagher, Ray J., and C. E. Lomax, to General Telephone Laboratories, Inc. Postpay paystation with coin control circuit. 2,881,254, 4-7-59, Cl. 179-6.5.  
Gallagher, Sheridan: See—  
Voell, Louis A. 2,907,827.  
Gallagher, William J. Safety electrical outlet apparatus. 2,898,413, 8-4-59, Cl. 200-42.  
Gallagher, William P., A. D. Stolle, and D. E. Schroeder, to International Register Co. Timing mechanism. 2,886,106, 5-12-59, Cl. 161-1.  
Gallamos, Constancio R. Automatic egg hard- and soft-boiler and water heater. 2,913,566, 11-17-59, Cl. 219-38.  
Gallant, Charles R., and J. J. Onderko, to I-T-E Circuit Breaker Co. Circuit breaker truck position interlock. 2,916,571, 12-8-59, Cl. 200-50.  
Gallant, Francis W., to Crane Co. Pressure equalized bellows valve stem seal. 2,912,867, 11-17-59, Cl. 74-18.2.  
Gallaro, Donald M., and C. B. Eater, to Hoda Corp. Audible flashing safety turn signals for vehicles. 2,896,190, 7-21-59, Cl. 340-75.  
Gallatin, Harold A.: See—  
Reinke, Herbert J., and Gallatin. 2,870,395.  
Gallatin, Harold A., to Allis-Chalmers Mfg. Co. Generator excitation system. 2,898,540, 8-4-59, Cl. 322-36.  
Gallatin, Lloyd B., 49% to S. T. Shoemaker, and G. G. Briggs. Angle drilling apparatus. 2,883,157, 4-21-59, Cl. 255-23.  
Gallay Ltd.: See—  
Broad, Charles S. 2,871,338.  
Gallay, Pierre H., to Frame S.A. Closure device and process for the manufacture thereof. 2,908,418, 10-13-59, Cl. 220-27.  
Galleher, Ellis A., Jr. Marginal shaping and sealing means for respiratory masks. 2,875,757, 3-3-59, Cl. 128-146.  
Galleher, Ellis A., Jr. Inhaler mask. 2,875,759, 3-3-59, Cl. 128-146.  
Galleher, Ellis A., Jr. Selective contour retaining mask. 2,877,764, 3-17-59, Cl. 128-146.  
Galleher, Ellis A., Jr. Inhaler mask with visual means. 2,902,033, 9-1-59, Cl. 128-146.  
Gallen, William P. Pusher. 2,914,331, 11-24-59, Cl. 279-50.  
Gallentine, Donal O. Shaft position transducer. 2,880,409, 3-31-59, Cl. 340-345.  
Gallier, Edwin L. Motor oil pressure safety ignition switch. 2,902,526, 9-1-59, Cl. 123-146.5.  
Gallin, Leo. Eyeglass case. 2,905,312, 9-22-59, Cl. 206-5.  
Gallina, Harold. Sound track fixture. 2,908,771, 10-13-59, Cl. 179-100.2.  
Gallmeyer, Richard D., and L. F. McBride, to C. W. Fuelling. Material-applying apparatus for sealing pipes and gas mains. 2,910,042, 10-27-59, Cl. 118-105.  
Gallo, Alfredo. Cigarette and match package. 2,894,619, 7-14-59, Cl. 206-48.  
Gallo, John, Sr. Amusement and exercising device. 2,872,191, 2-3-59, Cl. 272-73.  
Gallo, John, Sr. Rake and grapple. 2,902,815, 9-8-59, Cl. 56-400.19.  
Gallo, Mario, to Contraves A.G. Function generating apparatus. 2,883,557, 4-21-59, Cl. 250-219.  
Gallo, Mario, to Contraves A.G. Function generating apparatus. 2,883,558, 4-21-59, Cl. 250-219.  
Gallo, Michael S. Portable sprayer. 2,889,997, 6-9-59, Cl. 239-308.  
Gallo, Michael S. Syphon sprayer. 2,889,998, 6-9-59, Cl. 239-341.  
Gallo, Victor R., Jr. Wall support for a panel. 2,908,458, 10-13-59, Cl. 248-28.  
Gallop, John W., to National Research Development Corp. Travelling wave linear particle accelerators. 2,903,578, 9-8-59, Cl. 250-27.  
Gallotti, Filippo. Method of preserving orange juice. 2,901,356, 8-25-59, Cl. 99-155.  
Galloway, Andrew W.: See—  
Camilli, Guglielmo, Galloway, and Tuttle. 2,879,488.  
Galloway, Robert K., to Food Machinery and Chemical Corp. Machine for inserting articles into cartons. 2,906,392, 9-29-59, Cl. 198-32.  
Galloway, Victor A. Male urethral fluid-absorbing device. 2,891,546, 6-23-59, Cl. 128-295.  
Galloway Chemical Corp.: See—  
Cohen, Sylvan I., and Frant. 2,899,340.  
Cohen, Sylvan I., Frant, and Sowa. 2,901,392.  
Gallup, John L., to Radio Corp. of America. Method of treating glass. 2,877,143, 3-10-59, Cl. 117-211.  
Galman, Herbert: See—  
Bruno, Anthony, and Galman. 2,873,428.  
Galmiche, Philippe, to Office National d'Etudes et de Recherches Aeronautiques. Method for the formation of diffusion superficial alloys, in particular chromium alloys. 2,874,070, 2-17-59, Cl. 117-107.



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- Galonska, David A., to General Motors Corp. Helical spline assembly. 2,890,594, 6-18-59, Cl. 74-424.3.
- Galonska, David A., to General Motors Corp. Ball bearing spline. 2,891,823, 6-23-59, Cl. 308-8.
- Galos, Louis. Can opener. 2,868,409, 1-13-59, Cl. 220-52.
- Galvanek, Paul, Jr., to United States of America, Atomic Energy Commission. Process of recovering uranium from its ores. 2,875,023, 2-24-59, Cl. 23-14.5.
- Gamarekian, Sooren E.: See—
- Kenney, John T., and Gamarekian. 2,873,577.
- Gambie, John O.: See—
- Schulz, George W., and Gambie. 2,889,896.
- Gambrill, Richard D., to Western Electric Co., Inc. Insulation testing apparatus. 2,894,204, 7-7-59, Cl. 324-54.
- Gambrill, Richard D., to Western Electric Co., Inc. Capacitance sensing apparatus. 2,908,861, 10-13-59, Cl. 324-161.
- Gambrill, Richard D., and A. N. Gray, to Western Electric Co., Inc. Extrusion apparatus. 2,872,703, 2-10-59, Cl. 18-112.
- Gamba, Paul. Ocular biomicroscopes. 2,879,689, 3-31-59, Cl. 88-20.
- Gamertsfelder, George R., to General Precision Laboratory Inc. Antenna pattern synthesizer. 2,909,773, 10-20-59, Cl. 343-100.
- Gamet, Louis J.-M., to La Precision Industrielle (Societe Anonyme). Lever actuated machine-tool chuck. 2,850,009, 3-31-59, Cl. 279-119.
- Gamet, Louis J.-M., to La Precision Industrielle (Societe Anonyme). Slidable tailstock. 2,910,905, 11-3-59, Cl. 82-31.
- Gamewell Co., The: See—
- Vacha, Fred P. 2,889,529.
- Vacha, Fred P. 2,904,767.
- Gamlen, Donald R., to Hallam Sleigh & Cheston Ltd. Framework structures. 2,904,360, 9-15-59, Cl. 287-54.
- Gammack, James, to United States of America, Navy. Seal-plane beaching apparatus. 2,916,003, 12-8-59, Cl. 114-43.5.
- Gammel, Walter A., to Western Electric Co., Inc. Method of locating and replacing defective components of encapsulated electrical assemblies. 2,877,544, 3-17-59, Cl. 29-401.
- Gammon, Howard M., to Thompson Products, Inc. Blazing control for fuel injection system. 2,914,055, 11-24-59, Cl. 123-140.
- Gammon, Howard M., and A. C. Sampietro, to Thompson Products, Inc. Compressor. 2,868,438, 1-13-59, Cl. 230-117.
- Gammon, Lowell C.: See—
- Olivette, Ralph K., and Gammon. 2,918,242.
- Gancia, Paul: See—
- Cella, Joseph F., and Gancia. 2,898,716.
- Cella, Joseph F., and Gancia. 2,899,233.
- Ganderton, Peter C., to Sydney S. Bird & Sons Ltd. Switch contacts. 2,902,571, 9-1-59, Cl. 200-166.
- Gandon, Louis: See—
- Lehmann, René L., and Gandon. 2,867,615.
- Gandrud, Ebenhard S. Machine for spreading granular material and means for adjusting the height thereof. 2,874,879, 2-24-59, Cl. 222-177.
- Gandsey, George E.: See—
- Bogot, Alexander, and Gandsey. 2,868,462.
- Gang, George J., and J. Minissale. Sliding door closure. 2,909,802, 10-27-59, Cl. 16-87.
- Gang, Herman, to Monroe Calculating Machine Co. Constant factor mechanism. 2,910,230, 10-27-59, Cl. 235-79.
- Ganger, Karl M., and W. H. Wentling, to The Lau Blower Co. Fans. 2,912,159, 11-10-59, Cl. 230-259.
- Ganguin, Karl O.: See—
- Beawick, Geoffrey E., and Ganguin. 2,885,288.
- Ganlere, Herbert C.: See—
- Sherwood, Edwin T., and Ganlere. 2,879,451.
- Ganine, Peter. Musical comb construction. 2,879,684, 3-31-59, Cl. 84-94.
- Gannett, Wright K.: See—
- Mast, Gifford M., Gannett, and Taylor. 2,875,950.
- Gannett, Wright K., to Mast Development Co., Inc. Vernier timing mechanism. 2,907,387, 10-6-59, Cl. 161-1.
- Gannett, Wright K., to Mast Development Co. Angle counter. 2,907,522, 10-6-59, Cl. 235-125.
- Gannett, Wright K., and H. H. Wiese, to United States of America, Army. Motion transmitting mechanism. 2,911,837, 11-10-59, Cl. 74-110.
- Gannoe, Thomas E., to Sylvania Electric Products Inc. Mica feed apparatus. 2,885,117, 5-5-59, Cl. 221-211.
- Gans, François F. Method for preparing pentavalent arsenic selenides. 2,887,359, 5-19-59, Cl. 23-50.
- Ganské, Kingston E., and A. G. Bill, to Arvin Industries, Inc. Radiant heater. 2,914,647, 11-24-59, Cl. 219-34.
- Ganson, Philip: See—
- Denney, Ralph E. 2,888,796.
- Ganson, William F. Tangent square. 2,878,575, 3-24-59, Cl. 33-174.
- Gantenbein, Andreas, to Oerlikon Engineering Co. Low-oil content high-tension oil circuit breaker. 2,919,330, 12-29-59, Cl. 200-150.
- Ganter, Bertin C., to Kraft Foods Co. Feeding mechanism. 2,874,821, 2-24-59, Cl. 198-34.
- Gantner, Edward G., to Gantner Industries, Inc. Tissue dispenser and mounting means for the same. 2,882,113, 4-14-59, Cl. 312-248.
- Gantner Industries, Inc.: See—
- Gantner, Edward G. 2,882,113.
- Ganton, Joseph E. Fastener strip. 2,867,806, 1-13-59, Cl. 1-56.
- Gants, William A.: See—
- De Luca, Walter G., and Gants. 2,883,986.
- Gantz, Emanuel, to Empire Brushes, Inc. Combination brush and snow mover. 2,867,827, 1-13-59, Cl. 15-111.
- Ganz, Daniel M., 1/4 to H. Mahler. Display rack divider. 2,869,732, 1-20-59, Cl. 211-184.
- Ganz, Henry, to Johnson & Johnson. Surgical dressing. 2,893,388, 7-7-59, Cl. 128-156.
- Ganzenhuber, John H. Remote alarm circuit for warning lights or the like. 2,905,861, 9-22-59, Cl. 315-136.
- Ganzhorn, Karl, T. Einsele, and H. Bornhauser, to International Business Machines Corp. Memory system. 2,914,754, 11-24-59, Cl. 340-174.
- Ganzler, Martin, and G. Wachtel, to Chesebrough-Pond's, Inc. Rust inhibiting composition. 2,873,195, 2-10-59, Cl. 106-14.
- Garabedian, Charles H.: See—
- Garabedian, Joseph M., and C. H. 2,906,557.
- Garabedian, Joseph M., and C. H. Vehicle mounted tank. 2,906,557, 9-29-59, Cl. 296-28.
- Garabedian, Mike: See—
- Garabedian, Joseph M., and C. H. 2,906,557.
- Garapolo, Orlando, to Wilson & Co., Inc. Honing device for slicing blade. 2,911,857, 11-10-59, Cl. 76-85.
- Garata, Luis C. Swimming instruction device. 2,875,528, 2-3-59, Cl. 35-29.
- Garbellano, David W. Underwater hood. 2,869,133, 1-20-59, Cl. 2-68.
- Garber, Murray: See—
- Herrlinger, Richard, and Garber. 2,898,380.
- Garber, William W.: See—
- Alford, Edwin L. 2,918,001.
- Garbers, Helmut, to Licentia Patent-Verwaltungs-G.m.b.H. Safety switch. 2,911,503, 11-3-59, Cl. 200-122.
- Garbo, Paul W., to Hydrocarbon Research, Inc. Conversion of hydrocarbons. 2,885,344, 5-5-59, Cl. 208-59.
- Garbo, Paul W., and F. B. Grosselinger, to Hydrocarbon Research, Inc. Reforming of naphtha with unpromoted activated carbon and regeneration of the catalyst. 2,906,696, 9-29-59, Cl. 208-134.
- Garbuny, Max, and R. C. Ohlmann, to United States of America, Air Force. Photothermionic spectrum converter. 2,870,370, 1-20-59, Cl. 315-10.
- Garbuny, Max, and W. E. Horn, to Westinghouse Electric Corp. Image detector. 2,879,424, 3-24-59, Cl. 313-100.
- Garbutt, Cameron W. Topographical map and method of making same. 2,887,791, 5-26-59, Cl. 35-41.
- Garcia, Charles B., Jr. Combined transfer truck and hoist. 2,906,420, 9-29-59, Cl. 214-651.
- Garcia, Gelasio F., and J. R. Schemansky, to General Motors Corp. Automotive vehicle body. 2,896,997, 7-28-59, Cl. 296-28.
- Garcia, Jose M. Folding chair. 2,873,793, 2-17-59, Cl. 155-143.
- Garcia, Manuel A.: See—
- Coble, Gomer L., Jr., and Garcia. 2,911,207.
- Gard, George E., to Armstrong Cork Co. Method and apparatus for dielectric heating. 2,870,543, 1-27-59, Cl. 34-1.
- Gard, George E., to Armstrong Cork Co. Method of drying fibrous boards. 2,870,544, 1-27-59, Cl. 34-1.
- Gard, George E., to Armstrong Cork Co. Arc minimizers. 2,873,345, 2-10-59, Cl. 219-1043.
- Gard, George E., and W. Rueggeberg, to Armstrong Cork Co. Dielectric heater electrode systems. 2,892,915, 6-30-59, Cl. 219-1067.
- Gard Products, Inc.: See—
- Hornbeck, Donald W. 2,905,134.
- Gardberg, Joseph, to Teletype Corp. Start-stop telegraph signal generator. 2,900,448, 8-18-59, Cl. 178-26.
- Gardberg, Joseph, to Teletype Corp. Signal distortion indicator. 2,909,604, 10-20-59, Cl. 178-69.
- Gardberg, Joseph, to Teletype Corp. Distortion signal generator. 2,909,605, 10-20-59, Cl. 178-69.
- Gardella, Adriano, and C. Centrifugal can spinning unit. 2,871,649, 2-3-59, Cl. 57-77.
- Gardella, Adriano, and C. Multi-drawing frame particularly adapted for use on high-speed spinning frame. 2,896,269, 7-28-59, Cl. 19-13.
- Gardella, Costantino: See—
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- Gardella, Adriano, and C. 2,896,269.
- Gardella, Costantino. Thread cheese-ejecting device for suspended centrifugal spinning cans. 2,895,283, 7-21-59, Cl. 57-34.
- Garden, William D., and J. M. C. Thompson, to Imperial Chemical Industries Ltd. Organosiloxyl aryl phosphonates. 2,889,349, 6-2-59, Cl. 260-448.2.
- Garden City Plating & Mfg. Co.: See—
- Arnitt, Fred H. 2,869,499.
- Arnitt, Fred H. 2,898,159.
- McLean, James. 2,909,333.
- Ruda, Edward P. 2,871,520.

- Gardex, Inc.: See—
- Johnson, Melvin W. 2,901,878.
- Gardner, Donald A., Jr., and J. S. Rhoades, to Kaiser Aluminum & Chemical Corp. Article of manufacture. 2,880,860, 4-7-59, Cl. 206-58.
- Gardner, Duncan B., to Vickers Inc. Power transmission. 2,872,873, 2-10-59, Cl. 103-136.
- Gardner, Emmett G., to General Electric Co. Shaft bearing lubrication means. 2,905,510, 9-22-59, Cl. 308-134.1.
- Gardner, John A., to Power Jets (Research and Development) Ltd. Combustion apparatus for burning ash-forming liquid fuel. 2,895,297, 7-21-59, Cl. 60-39.74.
- Gardner, Paul C., to General Electric Co. Magnetron. 2,906,921, 9-29-59, Cl. 315-39.69.
- Gardner, William C., H. A. Mosher, and W. J. Sakowski, to Olin Mathieson Chemical Corp. Production of lithium hydroxide. 2,872,393, 2-3-59, Cl. 204-99.
- Gardner, Adryl W. Combined grading and rolling machines. 2,882,623, 4-21-59, Cl. 37-146.
- Gardner, Adryl W. Segmented roll. 2,895,390, 7-21-59, Cl. 94-50.
- Gardner, August M., to The Singer Mfg. Co. Hem-folding attachments. 2,880,685, 4-7-59, Cl. 112-141.
- Gardner, Benjamin F. Flexible wheel. 2,916,331, 12-8-59, Cl. 305-19.
- Gardner, Clair C. Magazine cabinet. 2,871,084, 1-27-59, Cl. 312-310.
- Gardner, David G.: See—
- Hewitt, John E., Schmidt, and Gardner. 2,868,924.
- Gardner-Denver Co.: See—
- Bent, John H. 2,869,403.
- Booth, William M., 2,899,018.
- Bos, John R., and Shulters. 2,884,685.
- Bottle, John D., and Shulters. 2,901,219.
- Chaffee, Walter C., and Robinson. 2,868,044.
- Shulters, Robert B., and Bos. 2,885,764.
- Shulters, Robert B., and Robinson. 2,883,891.
- Smith, Ralph E., Hannum, and Booth. 2,905,194.
- Swanson, Roger L. 2,905,149.
- Gardner, Donald B. Pruning saw attachment. 2,881,519, 4-14-59, Cl. 30-166.
- Gardner, Edward B., and A. R. Nielson, to Plax Corp. Method and apparatus for treating synthetic resin containers. 2,892,733, 6-30-59, Cl. 117-46.
- Gardner, Eric K. Guidance system especially adapted for lawn mower. 2,885,019, 5-5-59, Cl. 150-79.
- Gardner, George F., to General Electric Co. Slip ring tape. 2,880,402, 3-31-59, Cl. 339-5.
- Gardner, Guy F., to Massey-Ferguson Inc. Load transporting attachment for agricultural implements. 2,907,396, 10-6-59, Cl. 172-611.
- Gardner, Harold L. Traveling-plant mixer. 2,885,934, 5-12-59, Cl. 94-40.
- Gardner, Harris L., and W. Argereu, 1/4 to W. B. MacKenzie. Hockey stick. 2,912,245, 11-10-59, Cl. 273-67.
- Gardner, Harry L. Golf club cleaner. 2,871,499, 2-3-59, Cl. 15-246.
- Gardner, Henry A.: See—
- Neubrecht, David A., and Cattaro. 2,871,370.
- Gardner, James K.: See—
- Kollmbat, Peter. 2,889,861.
- Gardner, John C. Bag holder. 2,875,970, 3-3-59, Cl. 248-101.
- Gardner, Karl A., R. Gardner, Jr., and F. Boni, Jr., to The Grisco-Russell Co. Heat exchanger tube sheet joint construction. 2,911,200, 11-3-59, Cl. 257-239.
- Gardner, Leonal P. Snap cap for bottles. 2,877,918, 3-17-59, Cl. 215-74.
- Gardner, Leonal P. Dispensing cap and closure for tube containers. 2,889,088, 6-2-59, Cl. 222-523.
- Gardner, Lloyd E.: See—
- Hokan, John P., and Gardner. 2,898,360.
- Gardner Machine Co.: See—
- Kubsh, Leroy M., and Loffboro. 2,900,241.
- Price, Ralph E. 2,871,635.
- Price, Ralph E. 2,882,651.
- Price, Ralph E. 2,899,779.
- Price, Ralph E., and Ilurc. 2,882,650.
- Gardner, Milton B. Printers' friction-locking quoin. 2,894,721, 7-14-59, Cl. 254-42.
- Gardner, Owen M., to Kaiser Aluminum & Chemical Corp. Apparatus for continuous casting of metal. 2,876,509, 3-10-59, Cl. 22-57.2.
- Gardner, Priscilla D. Personalized sound. 2,886,647, 5-12-59, Cl. 179-100.1.
- Gardner, Raymond, Jr.: See—
- Gardner, Karl A., R. Gardner, Jr., and Boni. 2,911,200.
- Gardner, Raymond, Jr., to The Grisco-Russell Co. Rotatable arc welding tool. 2,868,953, 1-13-59, Cl. 219-125.
- Gardner, Richard H., to Clark Equipment Co. Hydraulic cylinder and piston construction. 2,899,938, 8-18-59, Cl. 121-46.
- Gardner, Roland M., E. E. Yeo, and A. E. Preston, to Sylvania Electric Products Inc. Lamp finishing head. 2,880,494, 4-7-59, Cl. 29-25.19.
- Gardner, Thomas S., J. Lee, and E. Wenis, to Hoffmann-La Roche Inc. 5-methyl-3-isoxazole carboxylic acid hydrazides. 2,908,688, 10-13-59, Cl. 260-307.
- Gardner, Willis W., and J. T. McKean, to Allis Chalmers Mfg. Co. Automatic trust device for hydrogen seal. 2,895,750, 7-21-59, Cl. 286-9.
- Gardner, Wylle M. Mining car with front end loading. 2,907,125, 10-6-59, Cl. 37-124.
- Garey, Edward F. Electrically operated bassinet rocking device. 2,884,651, 5-5-59, Cl. 5-109.
- Garfein, Allen E.: See—
- Arsenault, William R., Garfein, and Thorensen. 2,905,834.
- Garfinkel, Alan R., to Sperry Rand Corp., Ford Instrument Co. Division. Pulse coded signal separator. 2,884,615, 4-28-59, Cl. 340-147.
- Garfinkel, Alan R., B. A. Spinelli, and I. Munt, to Sperry Rand Corp., Ford Instrument Co. Division. Miniature filamentary numerical display. 2,878,418, 3-17-59, Cl. 315-69.
- Garfinkel, Alan R., and S. Oken, to Sperry Rand Corp., Ford Instrument Co. Div. "Exclusive or" gate. 2,868,999, 1-13-59, Cl. 307-85.
- Garfunkel, Jack, to Continental Can Co., Inc. Shipping container for clothing. 2,893,545, 7-7-59, Cl. 206-7.
- Gargani, Emil P., and A. A. Weiner, to Republic Aviation Corp. Testing apparatus. 2,904,750, 9-15-59, Cl. 324-51.
- Gargini, Eric J., to Electric & Musical Industries Ltd. Television relay and like apparatus. 2,906,815, 9-29-59, Cl. 178-6.
- Gargisa, Marion: See—
- Rudel, Harry W., and Gargisa. 2,884,379.
- Gargrave, Robert A., to Dayton Perforators, Inc. Piercing punch. 2,917,960, 12-22-59, Cl. 83-128.
- Gariepy, Henry J. Corner packing device. 2,878,982, 3-24-59, Cl. 229-14.
- Garizio, John E., A. M. Rubino, and M. L. Almquist, to Rebeis Co., Inc. Aluminum chlorhydroxy alcohols and process of making same. 2,876,163, 3-3-59, Cl. 167-90.
- Garland, Charles J., and D. W. Turner, to Merritt Engineering Co. Tile cutting and fusing tool. 2,873,523, 2-17-59, Cl. 30-140.
- Garland, Edward J., to The Electric Storage Battery Co. Flashlight end cap. 2,862,388, 4-14-59, Cl. 240-10.6.
- Garland, Edward J., to The Electric Storage Battery Co. Flashlight. 2,915,621, 12-1-59, Cl. 240-10.66.
- Garland, Hereford: See—
- Yeaton, Donald J., Hooker, and Garland. 2,899,994.
- Garland, Milton W., to Frick Co. Ice-making apparatus. 2,870,612, 1-27-59, Cl. 62-138.
- Garland, Robt. G.: See—
- Hunt, William J. 2,888,015.
- Garland, Robert J., to Carrier Corp. Heat exchanger construction. 2,868,515, 1-13-59, Cl. 257-262.20.
- Garland, Willis F. Portable power plane. 2,894,549, 7-14-59, Cl. 145-4.
- Garlette, William A., Jr., and K. L. Godfrey, to Monsanto Chemical Co. Purifying 2,2'-thiobis (polyhalophenols). 2,868,541, 1-13-59, Cl. 260-609.
- Garlinghouse Brothers: See—
- Dening, Robert D., and Garlinghouse. 2,900,883.
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- Garlinghouse, Leslie H.: See—
- Dening, Robert D., and Garlinghouse. 2,917,979.
- Garlock, Donald L.: See—
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- Garmager, Curt H., to Borg-Warner Corp. Clutch plate. 2,888,122, 5-26-59, Cl. 192-107.
- Garmager, Curt H., to Borg-Warner Corp. Clutch. 2,901,066, 8-25-59, Cl. 192-17.
- Garmager, Curt H., to Borg-Warner Corp. Clutch element with ceramic-metallic friction disc. 2,916,123, 12-8-59, Cl. 192-107.
- Garmalse, David L.: See—
- McKay, Arthur F., and Garmalse. 2,886,584.
- Garman, Donald F., to Prestole Corp. Molding fastener. 2,899,729, 8-18-59, Cl. 24-73.
- Garman, Donald F., to Prestole Corp. Panel fastener having a caged nut and cage with detent holding means. 2,908,311, 10-13-59, Cl. 151-41.75.
- Garman, Donald F., to Prestole Corp. Spacer guide for antenna cables. 2,908,470, 10-13-59, Cl. 248-234.
- Garman, George P. Automatic tube tester. 2,906,943, 9-29-59, Cl. 324-22.
- Garner, Albert Y., to Monsanto Chemical Co. Process for producing phosphinic acid phosphates. 2,916,510, 12-8-59, Cl. 260-461.
- Garner, Claude R., to Dresser Operations, Inc. Bit and cutter therefor. 2,887,302, 5-19-59, Cl. 255-349.
- Garner, Clifford S., to United States of America, Atomic Energy Commission. Method of making plutonium dioxide. 2,868,620, 1-13-59, Cl. 23-14.5.
- Garner, Clifford S., to United States of America, Atomic Energy Commission. Process of forming plutonium salts from plutonium oxalates. 2,875,025, 2-24-59, Cl. 23-14.5.
- Garner, Clifford S., to United States of America, Atomic Energy Commission. Method of oxidizing plutonium ion with bismuthate ion. 2,917,362, 12-15-59, Cl. 23-14.5.
- Garner, Fred W., to Lockheed Aircraft Corp. Heat treatment rack. 2,882,032, 4-14-59, Cl. 263-47.
- Garner, George. Variable speed fluid transmission unit. 2,867,311, 1-6-59, Cl. 192-80.
- Garner, Kirby R. Casting rod handle. 2,911,750, 11-10-59, Cl. 43-22.



- Garner, Lloyd P., to Radio Corp. of America. Electron tube. 2,909,698, 10-20-59, Cl. 313-237.
- Garner, Lue O., to General Merchandising Corp. Rack for catalogs and the like. 2,910,802, 11-3-59, Cl. 45-60.
- Garner, Paul H., Mounting unit for tractor-conveyed implement. 2,919,143, 12-29-59, Cl. 280-497.
- Garner, Philip J.: See—
- Leedham, Kenneth, and Garner. 2,898,359.
- Garner, Russell F.: See—
- Wantz, Clarence, and Garner. 2,898,439.
- Garner, Russell F., to Robertshaw-Fulton Controls Co. Control devices for fluid fuel burners. 2,893,485, 7-7-59, Cl. 161-9.
- Garner, Russell F., to Robertshaw-Fulton Controls Co. Control device for fluid fuel burners. 2,918,088, 12-22-59, Cl. 137-630.19.
- Garnett, Donald W., to The Olofsson Corp. Vibratory feed mechanism. 2,917,158, 12-15-59, Cl. 198-220.
- Garnett, Edward V., to Truck Equipment Co. Vehicle derick. 2,907,473, 10-6-59, Cl. 212-8.
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- Garnett, Rubin D.: See—
- Swain, William J., and Garnett. 2,875,888.
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- Garnier, Georges, to Air-Equipment. Accessories gear boxes. 2,896,475, 7-28-59, Cl. 74-665.
- Garnier, Georges, to Air-Equipment. Gyroscopes. 2,907,212, 10-6-59, Cl. 74-51.
- Garnier, Georges, to Air-Equipment. Control devices having a phase discriminator. 2,910,637, 10-27-59, Cl. 318-207.
- Garofalo, Lawrence J.: See—
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- Garoff, Kenton, to United States of America, Army. Duplex system. 2,908,872, 10-13-59, Cl. 333-9.
- Garrard Engineering and Mfg. Co. Ltd., The: See—
- Butler, Wilfred. 2,888,108.
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- Garred, William P. Disposable infant's nursing bottle. 2,879,911, 3-31-59, Cl. 215-11.
- Garred, William P. Infant's nursing bottle assembly. 2,881,935, 4-14-59, Cl. 215-11.
- Garretson, Craig M., to Sylvania Electric Products Inc. Filament tensioning device. 2,915,668, 12-1-59, Cl. 313-278.
- Garretson, Floyd. Mail box support. 2,876,977, 3-10-59, Cl. 248-146.
- Garrett, Charles G. B.: See—
- Brattain, Walter H., and Garrett. 2,870,344.
- Garrett Corp., The: See—
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- Greenwald, Harold A. 2,888,193.
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- Essex, Alois B., Garrett, and McKenney. 2,897,466.
- Garrett, Jack N. Bale band splicer. 2,886,817, 5-19-59, Cl. 1-177.
- Garrett, Jack N. Cotton bale extractor. 2,894,653, 7-14-59, Cl. 214-620.
- Garrett, John E., and J. H. Gerstenmaier, to The Goodyear Tire & Rubber Co. Seal. 2,905,985, 9-29-59, Cl. 20-69.
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- Chaney, William A., Garrett, and Byrd. 2,878,962.
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- Hawkins, James E., and Garrett. 2,871,473.
- Garrett Tubular Products, Inc.: See—
- Shearman, Spicer D., and Herbolshelmer. 2,872,223.
- Garrison, Allen D., to Texaco Development Corp. Radiation detector. 2,873,399, 2-10-59, Cl. 313-93.
- Garrison, Allen D., to Texaco Development Corp. Detection of radiation. 2,879,398, 3-24-59, Cl. 250-71.
- Garrison, Allen D., and R. E. Kunetka, to The Texas Co. In situ combustion. 2,871,942, 2-3-59, Cl. 166-38.
- Garrison, Clifford L., to Oliver Instrument Co. Method of grinding and grinding wheel therefor. 2,875,559, 3-3-59, Cl. 51-206.
- Garrison, Clifford L., to Oliver Instrument Co. Grinding machine and work supporting means therefor. 2,875,648, 3-3-59, Cl. 76-41.
- Garrison, Harold K., and T. W. Locke, to Doane Agricultural Service, Inc. Bracket. 2,884,670, 5-5-59, Cl. 20-92.
- Garrison, James O.: See—
- Garrison, Ralph P., and J. O., and Walker. 2,885,212.
- Garrison, James O., to Garrison Machine-Works, Inc. Chuck. 2,890,055, 6-9-59, Cl. 279-2.
- Garrison, James O., and D. D. Walker, to Garrison Machine Works, Inc. Locating stud. 2,879,070, 3-24-59, Cl. 279-123.
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- Garrison Machine Works, Inc.: See—
- Garrison, James O. 2,890,055.
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- Garrison, Ralph P., and J. O., and Walker. 2,885,212.
- Walker, David D. 2,890,053.
- Garrison, Marion A., to Johnston Testers, Inc. Bottom hole weight indicator. 2,869,363, 1-20-59, Cl. 73-151.
- Garrison, Marion A., to Johnston Testers, Inc. Packer. 2,875,837, 3-3-59, Cl. 166-204.
- Garrison, Marion A., to Eastman Oil Well Survey Co. Turbine well drilling apparatus. 2,890,859, 6-16-59, Cl. 255-1.6.
- Garrison, Ralph P., and J. O., and D. D. Walker, to Garrison Machine Works, Inc. Pressure operated chuck. 2,885,212, 5-5-59, Cl. 279-106.
- Garrison, Victor C., E. M. Nakaji, and K. F. Wessling, to Central Scientific Co. Vacuum pump. 2,877,946, 3-17-59, Cl. 230-153.
- Garrison, Warren B.: See—
- Wilcox, Stanley W., and Garrison. 2,880,413.
- Garrison, Warren M.: See—
- Burton, Milton, McClinton, and Garrison. 2,877,171.
- Garscia, Alfons J., and R. F. Rodger, to Rolls-Royce Ltd. Electrical measuring means for measuring welding current flow. 2,897,444, 7-28-59, Cl. 324-103.
- Garshells, Ivan J. Voltage regulators. 2,892,145, 6-23-59, Cl. 323-19.
- Garst, Jonathan. Process of preparing aqua ammonia. 2,874,029, 2-17-59, Cl. 23-193.
- Garten, Wilhelm, to Accumulatoren-Fabrik Akt. Battery plate. 2,882,330, 4-14-59, Cl. 136-43.
- Garth, Harold. Steam generator. 2,886,689, 5-12-59, Cl. 219-38.
- Garth, James. Wall cavity tray. 2,870,627, 1-27-59, Cl. 72-128.
- Garth, William W., Jr., to Graphic Arts Research Foundation, Inc. Type composing apparatus. 2,888,865, 6-2-59, Cl. 95-4.5.
- Garthwaite, Ernest, to Marconi Instruments Ltd. Resistance terminating loading devices. 2,901,710, 8-25-59, Cl. 333-22.
- Gärtner, Gunter, A. Schwab, and H. Harz, to Siemens-Schuckertwerke Akt. Brush holder for dynamoelectric machines. 2,900,540, 8-18-59, Cl. 310-246.
- Gartner, Josef. Pivoted window. 2,910,742, 11-3-59, Cl. 20-53.
- Gartner, Josef, to Josef Gartner & Co. Metal window wall. 2,916,108, 12-8-59, Cl. 189-34.
- Gartner, Josef, & Co.: See—
- Gartner, Josef. 2,916,108.
- Gartner, Stanley J.: See—
- Reiter, William L., Gartner, and Roeder. 2,872,949.
- Gartner, Stanley J., to Sylvania Electric Products Inc. Bulb rolling machine. 2,880,550, 4-7-59, Cl. 40-7.
- Gartner, Stanley J., to Sylvania Electric Products Inc. Mica transfer mechanism. 2,889,057, 6-2-59, Cl. 214-1.
- Gartner, Stanley J., to Sylvania Electric Products Inc. Tube knocker. 2,894,202, 7-7-59, Cl. 324-20.
- Gartner, Stanley J., to Sylvania Electric Products Inc. Mechanism for removing wire coating. 2,904,803, 9-22-59, Cl. 15-3.

- Gartner, Stanley J., to Sylvania Electric Products, Inc. Exhaust machine chuck. 2,907,141, 10-6-59, Cl. 49-64.
- Gartner, Stanley J., to Sylvania Electric Products Inc. Cathode feed. 2,911,114, 11-3-59, Cl. 214-1.
- Gartner, Stanley J., and M. S. De Lucia, to Sylvania Electric Products Inc. Welding machine. 2,889,446, 6-2-59, Cl. 219-86.
- Gartvall, Bo Y. R.: See—
- Sundberg, Erik G., and Gartvall. 2,913,512.
- Garver, Reed E.: See—
- Flach, Donald O., and Garver. 2,899,272.
- Leslie, James D., Garvey, and West. 2,900,183.
- Garvey, James. Split plodder nozzles. 2,918,714, 12-29-59, Cl. 25-17.
- Garvey, Louis P.: See—
- Adams, Daniel M., and Garvey. 2,890,299.
- Brand, Hugh R., Garvey, and Haviland. 2,892,657.
- Garvey, Louis P., and C. H. Schamel, to General Motors Corp. Vehicle closure latch. 2,896,990, 7-28-59, Cl. 292-229.
- Garvin, Milton M., to American Radiator & Standard Sanitary Corp. Method of making cam shafts. 2,892,254, 6-30-59, Cl. 29-421.
- Garvin, Milton M., to American Radiator & Standard Sanitary Corp. Machines for shaping hollow tubular objects. 2,902,962, 9-8-59, Cl. 113-44.
- Garwin, Leo: See—
- Goren, Mayer B., Pickell, and Garwin. 2,911,373.
- Garwin, Leo, to Kerr-McGee Oil Industries, Inc. Method of preparing rubber composition comprising asphaltic oil and rubber. 2,904,527, 9-15-59, Cl. 260-33.6.
- Garwin, Richard L., to International Business Machines Corp. Magnetic refrigerator having thermal valve means. 2,913,881, 11-24-59, Cl. 62-3.
- Garwin, Richard L., H. A. Reich, and S. Triebwasser, to International Business Machines Corp. Memory devices. 2,897,399, 7-28-59, Cl. 315-10.
- Garwood, John S., to Sperry Rand Corp. Gyro magnetic compass system. 2,887,782, 5-26-59, Cl. 33-222.
- Gary, Howland R.: See—
- Lawson, Axel A., Hazel, Gary, and Gittler. 2,904,785.
- Gary, Lonnie M.: See—
- Williams, Paul E. 2,912,843.
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- Bain, Joseph P., and Gary. 2,911,442.
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- Sawyer, Edgar W., Jr., and Gary. 2,895,873.
- Gas Council, The: See—
- Mills, John E. 2,868,617.
- Gasche, Fred, to Autoclave Engineers, Inc. Valve. 2,887,293, 5-19-59, Cl. 251-88.
- Gasche, Fred, and R. L. Porter, to Autoclave Engineers, Inc. High pressure relief device. 2,912,992, 11-17-59, Cl. 137-70.
- Gash, Virgil W., and B. S. Wildt, to Monsanto Chemical Co. Preparation of 21-hydroxy steroids. 2,883,404, 4-21-59, Cl. 260-397.47.
- Gastor, Joseph F., and R. Greff, to Congoleum-Nairn Inc. Tube crimping machine. 2,916,975, 12-15-59, Cl. 93-55.1.
- Gaskell, C. J., Co., Inc.: See—
- Holden, James D. 2,901,033.
- Gaskell, Walter L., to King-Seely Corp. Shiftable motor drive for tilting arbor saw. 2,873,773, 2-17-59, Cl. 143-36.
- Gaskill, George M., and M. G. Wright, to General Motors Corp. Combined signal seeking push button and manual tuner with dual purpose solenoid. 2,898,464, 8-4-59, Cl. 250-40.
- Gaskill, William A., to Westinghouse Electric Corp. Fusible device. 2,892,060, 6-23-59, Cl. 200-113.
- Gaskin, John F.: See—
- Anderson, Stanley F., and Gaskin. 2,910,122.
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- Schalch, Wilbur A., and Gasmire. 2,910,712.
- Gaspar, Emeric, M. G. Munna, and P. F. Harrison, to The Projectile & Engineering Co. Ltd. Locking and injection actuating device for injection moulding machines. 2,880,461, 4-7-59, Cl. 18-30.
- Gaspar, Emeric, M. G. Munna, and P. F. Harrison, to The Projectile & Engineering Co. Ltd. Injection moulding apparatus. 2,914,804, 12-1-59, Cl. 18-30.
- Gaspardo, Martin S. Casket construction. 2,907,090, 10-6-59, Cl. 27-8.
- Gasparini, Benedetto. Toothpick dispenser. 2,914,216, 11-24-59, Cl. 221-190.
- Gasparini, Francis A., to Westinghouse Electric Corp. Suction cleaning apparatus. 2,918,693, 12-29-59, Cl. 15-323.
- Gasparini, Gene: See—
- Ferriss, Frederick, and Gainfort. 2,879,726.
- Ferriss, Frederick, and Gainfort. 2,882,841.
- Gasparotti, John J., to Knapp-Monarch Co. Speed control device. 2,907,226, 10-6-59, Cl. 74-469.
- Gaspar, Robert R., to Western Electric Co., Inc. Apparatus for determining the location of mounting holes to be drilled in a part. 2,870,542, 1-27-59, Cl. 33-181.
- Gaspar, Robert R., to Western Electric Co., Inc. Template controlled article positioning mechanism. 2,910,896, 11-3-59, Cl. 77-21.
- Gassaway, Benjamin F., to Flo-Container Inc. Elastic container with reciprocating plunger. 2,898,007, 8-4-59, Cl. 222-212.
- Gassino, Teresio: See—
- Capellaro, Natale, and Gassino. 2,875,882.
- Gassmann, Johannes, to Daimler-Benz Akt. Chain drive. 2,894,051, 7-7-59, Cl. 123-146.5.
- Gassner, Hans: See—
- Reissmüller, Ernst, and Gassner. 2,883,825.
- Gasson, Denys B.: See—
- Billig, Ernst, and Gasson. 2,887,453.
- Gasson, Edward J., and D. J. Hadley, to The Distillers Co. Ltd. Production of nicotinamide and isonicotinamide. 2,904,552, 9-15-59, Cl. 260-295.
- Gasson, Edward J., and D. J. Hadley, to The Distillers Co. Ltd. Alcoholysis of aromatic carboxylic acid amides with polyhydric alcohols. 2,914,553, 11-24-59, Cl. 260-475.
- Gast, Albert K., deceased (G. J. and A. K. Gast, Jr., executors), and A. K. Gast, Jr.: said A. K. Gast Jr., assor. to Star Shade Cutter Co. Shade cutter. 2,888,048, 5-26-59, Cl. 144-1.
- Gast, Albert K., Jr.: See—
- Gast, Albert K., and A. K. Gast, Jr. 2,888,048.
- Gast, George G.: See—
- Gast, Albert K., and A. K. Gast, Jr. 2,888,048.
- Gast, Lyle E.: See—
- Teeter, Howard M., Schneider, and Gast. 2,889,309.
- Gast, Lyle E., J. C. Cowan, and H. M. Teeter, to United States of America, Agriculture. Alkyl esters of alkoxy-acetoxy stearic acid. 2,873,255, 2-10-59, Cl. 252-56.
- Gaston, Jack E., to Armstrong Cork Co. Method of shaping a starch-bound fibrous mass. 2,904,843, 9-22-59, Cl. 18-65.
- Gastright, Frank A. Self-erecting box with tabs and recesses for engagement by feeding and erecting mechanism. 2,877,943, 3-17-49, Cl. 229-41.
- Gates, Albert G. R., to Gestetner Ltd. Duplicating machines. 2,869,458, 1-20-59, Cl. 101-247.
- Gates, Charles C., Jr.: See—
- Gates, Harry F. 2,888,954.
- Gates, Dale: See—
- Gates, Joseph H. and D. 2,917,120.
- Gates, Eugene H., Jr. Ribbon supply apparatus for reverse image typing. 2,869,704, 1-20-59, Cl. 197-151.
- Gates, Eugene H., Jr. Outboard ribbon supply apparatus for typewriters. 2,869,705, 1-20-59, Cl. 197-151.
- Gates, George A.: See—
- McGraw, Roger J., and Gates. 2,919,145.
- Gates, Harry F., deceased, by M. H. J. G., and C. C. Gates, Jr., executors. Laminated plastic pipe. 2,888,954, 6-2-59, Cl. 138-53.
- Gates, Harry W., to International Telephone and Telegraph Corp. Frequency modulating system. 2,887,663, 5-19-59, Cl. 332-24.
- Gates, James T. Imprinter plate rack. 2,873,859, 2-17-59, Cl. 211-41.
- Gates, James T., to Cleveland Pneumatic Industries, Inc. Load releasable nut comprising arcuate segments resiliently held together. 2,882,781, 4-21-59, Cl. 85-33.
- Gates, John G.: See—
- Gates, Harry F. 2,888,954.
- Gates, John W., Jr.: See—
- Dann, John R., Gates, Smith, and Unruh. 2,882,161.
- Gates, Joseph H. and D. Combination wheeled and crawler type support for vehicles. 2,917,120, 12-15-59, Cl. 180-9.36.
- Gates, Lester C.: See—
- Granke, Leonard J., Gates, and Montgomery. 2,908,368.
- Gates, Lynn L., to Borg-Warner Corp. Safety brake mechanism. 2,902,119, 9-1-59, Cl. 188-152.
- Gates, Mitten H.: See—
- Gates, Harry F. 2,888,954.
- Gates, Richard L., to Thompson Ramo Wooldridge Inc. Vacuum driven automotive fuel pump. 2,898,865, 8-11-59, Cl. 103-152.
- Gates, Robert L., to Food Machinery and Chemical Corp. Control of plant diseases of ascomycetes origin employing N-phenyl-dichloro-maleimide. 2,898,266, 8-4-59, Cl. 167-33.
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- Russ, Paul E. 2,913,915.
- Gates and Sons Inc.: See—
- Hart, Frank M. 2,912,756.
- Larsen, Joseph C. 2,903,895.
- Gates, Thomas S., to National Broach & Machine Co. Gear gauging and sorting apparatus. 2,905,320, 9-22-59, Cl. 209-88.
- Gates, Thomas S., to National Broach & Machine Co. Shaving cutter. 2,909,831, 10-27-59, Cl. 29-103.
- Gates, Thomas S., and R. M. Williams, to National Broach & Machine Co. Gear finishing. 2,906,177, 9-29-59, Cl. 90-1.
- Gates, Thomas S., A. B. Bassoff, and K. J. Davis, to National Broach & Machine Co. Machine for shaving herringbone gears. 2,873,652, 2-17-59, Cl. 90-1.6.
- Gates, Victor O. Storage key finders. 2,915,099, 12-1-59, Cl. 150-40.
- Gateway Corp.: See—
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- Gateway Engineering Co.: See—
- Henrickson, Henry G. 2,898,758.



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 Gattiker, David C. G., S. C. Liang, and J. G. D. Schulz, to Dominion Tar & Chemical Co. Ltd. Production of vinyl chloride from ethylene dichloride. 2,877,277, 3-10-59, Cl. 260-656.  
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 Gatzert, Ernest H., to General Dynamics Corp. Paging system. 2,889,411, 6-2-59, Cl. 179-18.  
 Gatzert, Ernest H., to General Dynamics Corp. Line adapter circuit for special telephone service. 2,892,038, 6-23-59, Cl. 179-27.  
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 Gavazzi, Manlio. Circular machine for the pressing of metallic sheet elements. 2,895,443, 7-21-59, Cl. 113-1.  
 Gavelek, Jules W. Body exercising device. 2,874,689, 2-24-59, Cl. 128-33.  
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 Mosby, William L., and Buc. 2,884,448.  
 Polhemus, John K. 2,884,610.  
 Polhemus, John K. 2,901,692.  
 Popeck, Stanley P., and Sottysiak. 2,915,395.  
 Randall, David I. 2,884,410.  
 Randall, David I., and Renfrew. 2,895,991.  
 Randall, David I., and Schmidt-Nickels. 2,870,168.  
 Randall, David I., and Solonen. 2,871,240.  
 Randall, David I., and Taras. 2,873,279.  
 Randall, David I., and Taras. 2,908,544.  
 Randall, David I., and Taras. 2,914,542.  
 Randall, David I., and Wolk. 2,914,537.  
 Randall, David I., Wolk, and Taras. 2,914,538.  
 Robbins, Maurice A., Jr. 2,868,472.  
 Robinson, Gerald. 2,872,369.  
 Schenck, Leslie M. 2,876,267.  
 Schenck, Leslie M. 2,898,352.  
 Schmidt, Willy A., and Coles. 2,886,436.  
 Schmidt-Nickels, Wilhelm, and Smith. 2,903,462.  
 Schoen, Andre. 2,908,572.  
 Schulze, Heinz. 2,898,353.  
 Schulze, Heinz. 2,899,443.  
 Shull, Peter O. 2,894,034.  
 Siggia, Sidney. 2,900,305.  
 Siggia, Sidney, and Stahl. 2,914,516.  
 Smith, Carl M. 2,903,451.  
 Smith, Carl M. 2,903,452.  
 Smith, Carl M. 2,903,461.  
 Sottysiak, Joseph, and Proc. 2,913,339.  
 Sprung, Joseph A., and Lindquist. 2,902,366.  
 Steckler, Robert, Hessel, and Werner. 2,893,973.  
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 Stoner, George G., and Wright. 2,901,457.  
 Straw, Douglas. 2,915,396.  
 Streck, Clemens. 2,867,494.  
 Streck, Clemens. 2,877,083.  
 Streck, Clemens. 2,893,814.  
 Streck, Clemens. 2,913,301.  
 Streck, Clemens. 2,913,302.  
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 Sweet, Monroe H. 2,915,705.  
 Taber, David. 2,915,430.  
 Thompson, Thomas R., Duffy, and Dybvig. 2,888,347.  
 Tulagin, Vsevolod, and Hoffstadt. 2,888,346.  
 Wallace, William E. 2,902,487.  
 Wallenberg, Fritz. 2,915,038.  
 Welch, Eldred. 2,883,435.
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 Wynn, Robert W. 2,901,516.  
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 Frederick, Henry E. 2,898,613.  
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 Haldeman, Bruce M. 2,890,882.  
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 Kamen, Ira, and Angelastro. 2,895,129.
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 Curran, John R. 2,918,087.  
 Peterson, Robert L. 2,884,588.  
 Peterson, Robert L. 2,900,524.  
 Powers, Forrest M. 2,911,540.  
 Ray, William A. 2,868,029.  
 Ray, William A. 2,876,535.  
 Ray, William A. 2,877,625.  
 Ray, William A. 2,881,274.  
 Ray, William A. 2,882,682.  
 Ray, William A. 2,885,860.  
 Ray, William A. 2,886,063.  
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 Maclean, William D. 2,891,898.
- General Dry Batteries Co., a division of P. R. Mallory & Co.,  
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 Baldwin, Leroy D. 2,885,676.  
 Beranek, Leo L. 2,909,235.  
 Blow, Angus W., and Clark. 2,881,250.  
 Boscia, Archie F. 2,916,616.  
 Boyer, Richard P., Jr. 2,869,046.  
 Brady, Paul L., and Baldwin. 2,902,296.  
 Brown, John H. 2,889,479.  
 Campbell, Claude C., Jr. 2,890,604.  
 Chen, Mao C. 2,872,667.  
 Clement, Milton A. 2,886,660.  
 Clement, Milton A. 2,899,675.  
 Clement, Milton A., and Boyd. 2,902,638.  
 Cole, Donald W. 2,909,644.  
 Crotty, John V., and Tittle. 2,905,484.  
 Divizia, Joseph. 2,885,943.  
 Dopierski, Edmund L. 2,911,483.  
 Droel, Louis W. 2,892,902.  
 Edgerton, Frank R. 2,904,770.  
 Edgerton, Frank R. 2,913,640.  
 Elliott, George. 2,870,263.  
 Elliott, George. 2,878,438.  
 Elliott, George. 2,889,537.  
 Elliott, George. 2,894,074.  
 Elliott, George. 2,904,705.  
 Elliott, George. 2,918,609.  
 Field, Harold P., and Krumhansl. 2,872,520.  
 Flinold, Rodger C. 2,916,016.  
 Foster, Gilbert C. 2,898,407.  
 Frazier, George A., and Sexton. 2,911,822.  
 Frenkel, Lothar. 2,880,342.  
 Frenkel, Lothar. 2,887,612.  
 Galliot, Joseph M., Jr., Wolfe, and Baker. 2,878,349.  
 Gatzert, Ernest H. 2,880,277.  
 Gatzert, Ernest H. 2,885,479.  
 Gatzert, Ernest H. 2,889,411.  
 Gatzert, Ernest H. 2,892,038.  
 Gatzert, Ernest H. 2,897,284.  
 Gatzert, Ernest H. 2,900,450.  
 Gatzert, Ernest H. 2,916,555.  
 Gatzert, Ernest H., and Pharis. 2,897,272.  
 Gatzert, Ernest H., and Pharis. 2,908,765.  
 Gatzert, Ernest H., Pharis, and Boyer. 2,913,533.  
 Gleason, Howard S. 2,867,435.  
 Gordon, Garland B., and Savage. 2,873,535.  
 Gratian, Joseph W. 2,881,263.  
 Gratian, Joseph W., and Latchford. 2,889,414.  
 Hansen, John G., Rugaber, and Welsh. 2,896,845.  
 Harris, Ben A. 2,876,290.  
 Harris, Ben A. 2,886,643.  
 Harris, Ben A. 2,889,405.  
 Harris, Ben A. 2,892,036.  
 Harris, Ben A. 2,895,124.  
 Harris, Ben A. 2,901,546.  
 Harris, Ben A. 2,916,551.  
 Hattersley, Thomas E. 2,915,716.  
 Hedger, John H., and Westerwick. 2,902,607.  
 Hensen, Julian E. 2,905,774.  
 Hotline, William. 2,897,428.  
 Houghton, Richard B. 2,904,732.  
 Howard, Ben O. 2,909,161.  
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 Kessler, Frank. 2,890,282.  
 Killian, George W. 2,872,526.  
 Kops, Earl A. 2,902,898.  
 Larsen, Merwin J. 2,913,525.  
 Layburn, Robert L., and Stachiewicz. 2,892,932.  
 Martin, Arlo A. 2,874,268.  
 Mayer, Edward F. 2,877,133.  
 Mayer, Edward F. 2,890,174.  
 Mayer, Edward F. 2,892,709.  
 Mayer, Edward F., and Straughan. 2,891,911.  
 Mayer, Edward F., and Joy. 2,913,353.  
 McMillan, John C. 2,904,766.  
 McNaney, Joseph T. 2,892,186.  
 McNaney, Joseph T. 2,898,176.  
 McNaney, Joseph T. 2,898,468.  
 McNaney, Joseph T. 2,907,907.  
 McNaney, Joseph T. 2,915,660.  
 Merkowitz, Samuel. 2,892,210.  
 Monahan, Frederick A. 2,867,929.  
 Morris, Frank A. 2,872,521.  
 Morris, Frank A. 2,881,313.  
 Morris, Frank A., and Clement. 2,877,311.  
 Morris, Frank A., Clement, and Harris. 2,894,068.  
 Morris, Frank A., Confeld, Foote, and Gleason. 2,886,642.  
 Morris, Frank A., and Trousdale. 2,889,406.  
 Olson, Norman L. 2,867,724.  
 Olson, Verl O. 2,905,491.  
 Ottestad, Jack B., Ayers, Skeen, and Kavanaugh. 2,909,057.  
 Pearce, James G., and Tubinis. 2,897,283.  
 Pedrick, Robert F. 2,915,591.  
 Petrangelo, Amedeo D. 2,916,564.  
 Pharis, William W. 2,868,885.  
 Pharis, William W. 2,871,302.  
 Pharis, William W. 2,874,226.  
 Pharis, William W. 2,876,300.  
 Pharis, William W. 2,880,276.  
 Pharis, William W. 2,892,890.  
 Pharis, William W. 2,892,893.  
 Pharis, William W. 2,892,894.  
 Pharis, William W. 2,913,532.  
 Pharis, William W. 2,916,554.  
 Pharis, William W. 2,916,556.  
 Pharis, William W., and Gatzert. 2,895,011.  
 Reid, Robert J., and Gross. 2,916,537.  
 Rogers, Stanley, and Dannback. 2,891,214.  
 Rogers, Stanley, Kalbfell, and Dannback. 2,878,441.  
 Rosenberg, Jack. 2,896,514.  
 Schmid, Edward R. 2,868,899.  
 Schneider, Gerhard O. K. 2,886,656.  
 Scultto, Thomas J. 2,871,399.  
 Seefeldt, Fred C., and Rubin. 2,893,216.  
 Shelman, Cecil B. 2,902,608.  
 Stachiewicz, Bogdan R. 2,871,294.  
 Stachiewicz, Bogdan R. 2,871,295.  
 Stachiewicz, Bogdan R. 2,908,760.  
 Stern, Howard H., and Turner. 2,893,247.  
 Straughan, Virgil E. 2,892,973.  
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 Thomas, William M., and Tracy. 2,915,940.  
 Thomson, Ian F., and Wilson. 2,873,357.  
 Tondat, Julius J., and Goldman. 2,874,248.  
 Trousdale, Robert B. 2,868,581.  
 Trousdale, Robert B. 2,872,518.  
 Trousdale, Robert B. 2,872,614.  
 Trousdale, Robert B. 2,880,274.  
 Trousdale, Robert B. 2,882,341.  
 Trousdale, Robert B. 2,884,488.  
 Trousdale, Robert B. 2,889,407.  
 Trousdale, Robert B. 2,889,408.  
 Trousdale, Robert B. 2,892,035.  
 Trousdale, Robert B. 2,895,526.  
 Watson, Robert J., and Morris. 2,918,835.  
 Weston, Joseph P. 2,876,293.  
 Wharton, Armistead. 2,891,617.  
 Wharton, Armistead. 2,910,559.  
 Wolf, Edward L. 2,901,641.  
 Wolf, Edward L. 2,916,552.  
 Woods, Eric R. 2,871,355.  
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 Adams, Charles J. 2,916,721.  
 Adams, Crawford M. 2,870,858.  
 Agens, Maynard C. 2,905,650.  
 Ahlburg-Hayo, and Wessel. 2,897,089.  
 Akeley, Lloyd T. 2,917,636.  
 Akeley, Lloyd T. 2,917,637.  
 Albrecht, Warren F. 2,868,003.  
 Albright, Harry E. 2,879,128.  
 Alger, Philip L. 2,894,190.  
 Allen, Robert K. 2,890,970.  
 Alot, Anthony J. 2,908,793.  
 Altes, Stephen K. 2,883,450.  
 Altes, Stephen K. 2,891,152.  
 Anderson, Richard E. 2,882,855.  
 Anderson, Robert M. 2,904,746.  
 Andrews, John L. 2,899,664.  
 Ashby, Bruce A. 2,888,478.  
 Atchison, Leonard W. 2,869,334.  
 Atchison, Leonard W. 2,878,657.  
 Atchison, Leonard W. 2,896,422.  
 Avery, Howard W. 2,903,281.  
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Backus, Keith A., and Somers. 2,912,481.  
 Baker, Jack M. 2,911,789.  
 Bakke, Hans A., and Treitel. 2,895,637.  
 Baldwin, George C. 2,902,604.  
 Baldwin, George C., Gaertner, and Yeater. 2,902,613.  
 Ballard, Robert G. 2,914,943.  
 Ballard, Robert G. 2,914,944.  
 Bayley, Charles D. 2,913,637.  
 Beatty, John W. 2,911,492.  
 Beaubien, William H. 2,901,659.  
 Bebinger, Jack E. 2,877,955.  
 Beckwith, Robert W. 2,871,463.  
 Bedford, Burnice D., and Kuenning. 2,889,511.  
 Beeninga, Dale E., and Matz. 2,904,710.  
 Beggs, James E. 2,868,610.  
 Beggs, James E. 2,875,367.  
 Beggs, James E. 2,892,120.  
 Bell, Locklin S. 2,885,582.  
 Bellamy, Winthrop D. 2,867,571.  
 Benander, George B. 2,869,093.  
 Benander, George B. 2,869,101.  
 Benander, George B. 2,891,663.  
 Benander, George B. 2,892,174.  
 Benander, George B., and Sheldon. 2,900,466.  
 Benson, John A., and Crosby. 2,874,536.  
 Berger, Harold, and Jacobs. 2,886,726.  
 Bergquist, Carl H. 2,891,750.  
 Berridge, Charles A. 2,875,163.  
 Berry, Theodore M. 2,871,459.  
 Beymer, Oliver H. 2,918,639.  
 Bialous, Adolf J., and Astley. 2,883,995.  
 Bigelow, John E. 2,915,630.  
 Bigelow, John E. 2,916,702.  
 Billings, Theodore E., Keshler, and Wainwright. 2,902,674.  
 Binford, Robert S. 2,889,780.  
 Bischoff, Alfred F. 2,887,580.  
 Bloomberg, David J. 2,894,318.  
 Bloomberg, David J. 2,913,872.  
 Bloomberg, David J. 2,914,296.  
 Bluestein, Ben A. 2,875,177.  
 Bluestein, Ben A. 2,887,501.  
 Bluestein, Ben A. 2,887,502.  
 Bluestein, Ben A. 2,900,363.  
 Bochan, John. 2,869,344.  
 Bochan, John. 2,869,699.  
 Bochan, John. 2,883,843.  
 Bochan, John. 2,888,531.  
 Bochan, John. 2,904,895.  
 Bochan, John. 2,904,982.  
 Bochan, John. 2,905,324.  
 Bochan, John. 2,908,285.  
 Bochan, John. 2,911,731.  
 Boldebuck, Edith M. 2,901,460.  
 Bolmeyer, Kenneth A. 2,910,577.  
 Bondley, Ralph J. 2,881,401.  
 Bondley, Ralph J. 2,910,614.  
 Bondley, Ralph J., and Knoll. 2,888,406.  
 Bondley, Ralph J., and Teare. 2,900,541.  
 Bonin, Richard E., and Townsend. 2,889,420.  
 Borle, Henry P., Jr. 2,895,564.  
 Bowden, George W. 2,869,700.  
 Boyd, Godfrey M. 2,868,163.  
 Boynton, Erwin R. 2,911,709.  
 Bradstock, Robert B., and Zelina. 2,915,707.  
 Bramhall, George H. 2,870,843.  
 Bramhall, George H. 2,881,466.  
 Brennan, Daniel H. 2,904,817.  
 Brennan, Daniel H., and Hunter. 2,892,203.  
 Brannan, Jack C. 2,875,391.  
 Brannan, Jack C. 2,907,936.  
 Briggs, Walton E., and Roberts. 2,897,437.  
 Brooks, Wesley W., Dochterman, and Henderson. 2,882,506.  
 Brooks, Wesley W., and Strecker. 2,869,037.  
 Broglio, Edward P. 2,900,432.  
 Brown, Arthur E. 2,918,827.  
 Brown, Bernard E. 2,867,107.  
 Brown, Donald V. 2,905,562.  
 Bueche, Arthur M. 2,914,502.  
 Buechler, William R. 2,873,599.  
 Buechler, William R. 2,896,436.  
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 Burch, James R., and Lee. 2,882,457.  
 Burkhard, Charles A. 2,894,934.  
 Burkhard, Charles A. 2,902,382.  
 Burkhard, Charles A. 2,902,469.  
 Burkhard, Charles A. 2,902,475.  
 Burkhard, Charles A., and Brown. 2,867,669.  
 Burton, Lester W., and Thurell. 2,883,592.  
 Butterfield, John L., and Renner. 2,910,846.  
 Cabaniss, Edward H. 2,875,400.  
 Cahill, Allen E., and McConnell. 2,874,072.  
 Calderwood, Gene C. 2,916,403.  
 Camilli, Guglielmo, Galloway, and Tuttle. 2,879,488.  
 Canada, Alfred H. 2,892,378.  
 Candell, Earl B. 2,883,047.  
 Caprino, Joseph C. 2,875,172.  
 Carew, Arthur W. 2,899,804.  
 Carleton, Granville E., Harrison, Heltman, and Dantowitz. 2,894,521.  
 Carpenter, Thomas J., and Olsen. 2,890,389.  
 Case, George L. 2,909,689.

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Casey, Robert T. 2,910,629.  
 Chamberlain, Harvey H. 2,914,712.  
 Chapman, Charles W. 2,888,129.  
 Chin, Allan, Woolley, and Warren. 2,916,397.  
 Chow, Woo F. 2,898,411.  
 Chow, Woo F., and Laynter. 2,878,386.  
 Clapp, Charles W. 2,869,074.  
 Clark, Albert G. 2,900,485.  
 Clark, David L. 2,911,811.  
 Clark, Earl W. 2,897,447.  
 Clark, Earl W. 2,907,951.  
 Clark, Earl W., and Albright. 2,915,360.  
 Clark, Edward B. 2,891,755.  
 Clark, Edward B. 2,900,101.  
 Clark, Joseph H., Jr. 2,883,635.  
 Clark, Welmon D. 2,894,120.  
 Cleveland, Donald S. 2,914,945.  
 Cobine, James D. 2,867,679.  
 Coghill, Henry D. 2,879,184.  
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 Cole, Quinton P. 2,912,410.  
 Collins, Clifford B. 2,871,330.  
 Columbe, Maynard J. 2,890,342.  
 Condit, Robert E. 2,892,209.  
 Conkling, Donald R., and Stoddard. 2,885,789.  
 Conlee, George D. 2,869,698.  
 Copeland, William M., and Mazzacane. 2,904,317.  
 Cook, Leonard W., and Passarelli. 2,916,589.  
 Cooper, James M., and Bartholomew. 2,890,844.  
 Cormia, Keith C. 2,907,367.  
 Costas, John P. 2,868,981.  
 Cox, Bonnar, and Goldberg. 2,904,777.  
 Cox, Bonnar, and Goldberg. 2,913,705.  
 Cox, Bonnar, and Goldberg. 2,918,662.  
 Cox, Bonnar, Goldberg, and Kautz. 2,871,289.  
 Cressman, George W. 2,915,595.  
 Cridland, John E. 2,899,671.  
 Cronin, Edward F. 2,916,723.  
 Crotty, Harold F., and Scamman. 2,894,146.  
 Crouch, Donald W. 2,892,911.  
 Cummin, Alfred S., and Hutzler. 2,872,630.  
 Cummings, Harold R. 2,890,358.  
 Cunningham, Eldon R. 2,905,411.  
 Curtis, Truman P., and Brunswick. 2,869,086.  
 Cusano, Dominic A. 2,887,401.  
 Cusano, Dominic A. 2,909,692.  
 Cusano, Dominic A., and Studer. 2,918,670.  
 Damon, Richard W. 2,898,490.  
 Damon, Richard W., and Eshbach. 2,888,370.  
 Dannevig, Tord. 2,882,831.  
 Darrow, Kenneth A. 2,915,774.  
 Davey, Peter E. 2,907,515.  
 Davidson, William E. 2,890,761.  
 Davis, David R. 2,894,768.  
 Davis, Paul B. 2,913,615.  
 De Montigny, Francis G. A. 2,874,135.  
 De Mott, Alfred E. 2,870,701.  
 Denham, William L. 2,897,463.  
 Denton, Bryce A. 2,914,646.  
 Depuy, Robert P. 2,902,664.  
 De Santis, Vincent J., and Silvea. 2,879,429.  
 Devendorf, Alan E. 2,901,615.  
 Dewey, Clyde G. 2,902,625.  
 Dexter, Edwin M. 2,880,335.  
 Dichter, Channing. 2,888,588.  
 Dicken, John A., Jr. 2,888,283.  
 Didszuns, Fritz. 2,897,931.  
 Didszuns, Fritz. 2,903,109.  
 Dieffenbacher, George W., and Meykar. 2,885,999.  
 Diehl, Max H. 2,874,217.  
 Dierstein, Roy H. 2,907,966.  
 Dierstein, Roy H., and Henderson. 2,878,301.  
 Dome, Robert B. 2,871,357.  
 Dome, Robert B. 2,874,291.  
 Dome, Robert B. 2,880,269.  
 Dome, Robert B. 2,880,315.  
 Dome, Robert B. 2,909,593.  
 Donaldson, Warren J., and Jacobs. 2,873,411.  
 Downie, John W., and Tirrell. 2,913,684.  
 Duane, James T. 2,874,441.  
 Dubberley, Charles A. 2,906,719.  
 Dunham, Stuart B. 2,887,227.  
 Dunn, George E., Jr. 2,905,840.  
 Dutcher, John L. 2,887,639.  
 Edwards, Robert A. 2,900,500.  
 Edgenberger, Markus A. 2,888,023.  
 Eichelberger, Charles D. 2,892,014.  
 Eichelberger, Charles D., and Lester. 2,885,502.  
 Eichelberger, Charles D., and Lester. 2,904,620.  
 Eichelberger, Charles D., and Reed. 2,914,627.  
 Elliott, James F., and Halsted. 2,904,696.  
 Engel, Jan M. 2,907,282.  
 Erzer, John R. 2,914,696.  
 Eshbach, John R. 2,892,590.  
 Euler, George M., and Grimshaw. 2,877,317.  
 Evans, Howard J. 2,913,613.  
 Evans, Howard J. 2,914,691.  
 Farnon, Robert B., and Rose. 2,869,185.  
 Faus, Harold T. 2,908,867.  
 Favre, John A. 2,899,033.  
 Felertag, Karl M., and Stephenson. 2,872,001.  
 Field, Boris. 2,880,319.

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 Fink, Lyman R., and Peterson. 2,884,626.  
 Finlayson, Frank E. 2,901,584.  
 Finlayson, Frank E., Swenson, Herman, Legg, and Denton. 2,892,272.  
 Fisher, Alec. 2,881,339.  
 Fisher, Lawrence E. 2,908,811.  
 Fitz, Elmore J. 2,875,113.  
 Fitz, Elmore J. 2,913,361.  
 Fitzgerald, Albert J. 2,889,592.  
 Fitzgerald, Albert J. 2,896,275.  
 Fitzgerald, Albert J. 2,897,620.  
 Fitzgerald, Albert J. 2,897,927.  
 Fitzmorris, Stanley R. 2,901,709.  
 Flaws, John, Jr., and Dilts. 2,880,347.  
 Fleming, William J. 2,905,796.  
 Flowers, Joseph K. 2,876,139.  
 Flowers, Ralph G. 2,899,399.  
 Foley, Thomas P. 2,867,467.  
 Foley, Thomas P. 2,877,041.  
 Foote, William R. 2,869,324.  
 Foote, Harold B., and Manning. 2,896,053.  
 Forker, Gordon M., and Ogrine. 2,901,387.  
 Foster, Harold S., Bosch, and Warner. 2,903,112.  
 Foulds, John P. 2,901,594.  
 Francis, Wallace R. 2,868,936.  
 Francis, Wallace R. 2,869,094.  
 Francis, Wallace R. 2,902,535.  
 Franklin, Sanford G. 2,911,881.  
 Frederick, Oscar C. 2,876,312.  
 Freestone, Harry T. 2,913,624.  
 Fridrich, Elmer G. 2,901,652.  
 Fridrich, Elmer G. 2,904,457.  
 Fridrich, Elmer G. 2,918,594.  
 Fridrich, Elmer G., and Wiley. 2,883,571.  
 Fuchs, Irvin J. 2,878,579.  
 Fulton, John W., and Kuebler. 2,892,440.  
 Fulton, John W., and Kuebler. 2,918,644.  
 Gaines, George L., Jr. 2,914,107.  
 Gaines, George L., Jr. 2,914,426.  
 Gardiner, Emmett G. 2,905,510.  
 Gardiner, Paul C. 2,906,921.  
 Gardner, George F. 2,880,402.  
 Garrett, Donald E., and Freestone. 2,898,510.  
 Gentile, Richard W. 2,912,156.  
 Genuit, Luther L. 2,892,142.  
 Genuit, Luther L. 2,894,195.  
 Genuit, Luther L. 2,916,685.  
 George, Philip D., and Zemany. 2,913,471.  
 Gerrish, Cecil B. 2,876,394.  
 Gerry, Otto F. 2,886,205.  
 Gibson, Van R., Jr. 2,884,611.  
 Gilbert, Alfred R. 2,867,606.  
 Gilbert, Alfred R., and Kantor. 2,891,980.  
 Gilbert, Alfred R., and Cooper. 2,902,506.  
 Gitzendanner, Louis G. 2,893,635.  
 Glasbrenner, Frederick K., and Lyons. 2,897,672.  
 Glassanos, Andrew. 2,873,432.  
 Gleason, Joseph P. 2,886,810.  
 Gleichauf, Paul H. 2,907,915.  
 Glenn, William E. 2,867,687.  
 Glenn, William E. 2,910,545.  
 Glenn, William E., Jr. 2,919,302.  
 Godharsen, Robert, Jr. 2,909,666.  
 Godwin, Charles J., Hurowitz, Kaplan, Siegel, and Zebley. 2,896,314.  
 Goetz, Ernest F. 2,889,014.  
 Goff, Leon E., Jr. 2,902,626.  
 Goldberg, Jacob, and Cox. 2,867,791.  
 Goldberg, Jacob, and Cox. 2,874,633.  
 Goldberg, Jacob, and Cox. 2,913,707.  
 Goldman, Richard G. 2,909,658.  
 Goldner, Ronald B., and Suran. 2,889,542.  
 Goliber, Edward W. 2,872,725.  
 Goliber, Edward W. 2,872,726.  
 Goliber, Edward W. 2,873,188.  
 Goodale, Edmund E. 2,897,445.  
 Goss, Wyman, and Andrews. 2,892,342.  
 Gough, Alfred B., and Weller. 2,913,570.  
 Graham, Donald C. 2,912,660.  
 Grams, William R. 2,900,281.  
 Graman, John R., and Christensen. 2,877,968.  
 Grandey, Max F. 2,917,384.  
 Graser, Michael, Jr. 2,884,522.  
 Grattidge, Walter. 2,914,640.  
 Gray, Walter E., Jr. 2,880,521.  
 Gray, Walter E., Jr., and Falkenstein. 2,873,537.  
 Gray, Walter E., Jr., and Larkin. 2,869,347.  
 Gray, Walter E., Jr. 2,892,334.  
 Gray, Walter E., Jr. 2,892,335.  
 Greenwood, Allan, Lee, and Schneider. 2,892,912.  
 Grenier, George H. 2,883,480.  
 Grimshaw, Charles S. 2,899,801.  
 Grinerich, Joseph J. 2,875,344.  
 Grovemiller, Dale A., and Kastelle. 2,892,992.  
 Grubb, Willard T., Jr. 2,913,511.  
 Guard, Ray W., and Clemm. 2,905,553.  
 Gustafson, Ralph W., and Hummel. 2,878,344.  
 Guth, Charles H., and Wilson. 2,911,551.  
 Hahn, Donald E. 2,919,336.  
 Hale, Fred H., and Page. 2,873,090.  
 Hall, Robert N. 2,918,396.  
 Hallbauer, Dankmar. 2,879,476.



## General Electric Co.: See—Continued

Halsted, Richard E. 2,904,697.  
 Hamilton, James. 2,881,940.  
 Hammerly, Herman J. 2,897,410.  
 Hammerly, Herman J. 2,905,923.  
 Hammerly, Herman J. 2,910,630.  
 Hammerly, Herman J. 2,911,179.  
 Hammesfahr, Frederic W., and Hatch. 2,914,450.  
 Hansen, Carl W., and Kozlow. 2,901,631.  
 Harbison, George C. 2,889,593.  
 Hargrove, Frank L., and Grobel. 2,879,092.  
 Harle, Harold P. 2,912,838.  
 Harries, John H. O. 2,883,576.  
 Helms, Milton L. 2,905,787.  
 Henderson, Wayne L. 2,902,661.  
 Henderson, Wayne L. R. 2,889,523.  
 Hermann, Benjamin R. 2,883,448.  
 Herrick, Carlyle S. 2,867,094.  
 Herrick, Carlyle S. 2,916,593.  
 Hickey, John S., Jr. 2,888,584.  
 Hilton, Harry H., and Torrisi. 2,871,426.  
 Hobbs, George W., and Levine. 2,907,525.  
 Hodges, Merwyn E. 2,873,410.  
 Hodges, Merwyn E. 2,897,413.  
 Hodges, Merwyn E., and Koss. 2,879,453.  
 Hodges, Merwyn E., Koss, and Seeley. 2,879,454.  
 Hodge, William F. 2,910,605.  
 Hodggers, Robert W., Harriott, and Ogle. 2,907,938.  
 Hoffman, Herbert N., and Brickett. 2,867,999.  
 Hoff, Richard G., and Phillips. 2,888,645.  
 Holdcomb, James E. 2,890,410.  
 Holdstock, Norman G. 2,887,503.  
 Hori, Tatsuo. 2,867,438.  
 Horn, Fordyce H. 2,904,512.  
 Horvay, Julius B. 2,895,780.  
 Houser, Philip H. 2,882,707.  
 Howe, Conrad L., and Polster. 2,888,587.  
 Howe, Goodwin H. 2,891,883.  
 Howell, Edward K. 2,896,169.  
 Howell, Edward K. 2,913,549.  
 Hudson, James E. 2,908,855.  
 Hughes, Philip G. 2,878,580.  
 Hughes, Philip G. 2,882,610.  
 Hull, Thomas N., Jr. 2,912,223.  
 Hurd, Dallas T. 2,878,195.  
 Hurd, Dallas T., and Finholt. 2,884,161.  
 Hurd, Dallas T., and Osthoff. 2,867,589.  
 Hurley, Daniel T. 2,912,575.  
 Hussey, Norman R. 2,896,413.  
 Hutchins, Dwight C. 2,913,230.  
 Hutzler, John R., and Pease. 2,890,396.  
 Ipsen, Peter G., and Clark. 2,902,831.  
 Ipsen, Peter G., and Cotton. 2,888,094.  
 Jackson, James M. 2,897,432.  
 Jacobs, John E. 2,898,525.  
 Jacobs, John E. 2,901,633.  
 Jacobs, John E. 2,909,669.  
 Jacobs, John E., and Berger. 2,889,188.  
 Jacobs, John E., and Berger. 2,890,360.  
 Jacobs, John E., and Howell. 2,907,883.  
 Janos, Alfred G. 2,914,819.  
 Jarvinen, Willard B. 2,890,398.  
 Jennings, Gresham N. 2,883,564.  
 Jennings, Gresham N. 2,887,862.  
 Jennings, Gresham N. 2,896,707.  
 Jennings, Gresham N. 2,912,532.  
 Johnston, Donald L., Derr, and Wooldridge. 2,912,480.  
 Jones, Dwight V. 2,887,658.  
 Jones, Samuel P. 2,897,386.  
 Jones, Shannon. 2,905,572.  
 Jordan, Paul B., and Anthony. 2,910,611.  
 Jordan, Samuel C. 2,883,506.  
 Jordan, Samuel C. 2,900,480.  
 Judd, Edwin B. 2,885,513.  
 Kaeding, Hugo C. 2,873,684.  
 Kalikow, Irving, and Labastie. 2,874,440.  
 Kamide, Harris P. 2,895,828.  
 Kantor, Simon W., and Gilbert. 2,883,366.  
 Kauffman, Melvin R., and Dicken. 2,896,641.  
 Kautz, William H. 2,909,768.  
 Kelley, Fred W., Jr. 2,870,397.  
 Kelley, Fred W., Jr. 2,886,769.  
 Kelling, Leroy U. C. 2,870,386.  
 Kelling, Leroy U. C. 2,905,874.  
 Kellogg, Harry L. 2,911,582.  
 Kemnitz, Warren N. 2,914,333.  
 Kemnitz, Warren N. 2,918,314.  
 Kenney, John T., and Gamarekian. 2,873,577.  
 Keonjian, Edward. 2,876,297.  
 Kiesel, George W., and Wegh. 2,908,782.  
 Kindl, Fred H. 2,912,962.  
 King, Burnham W., and Kelly. 2,879,185.  
 King, Ralph E. 2,876,632.  
 King, Ralph E. 2,876,633.  
 Kirk, Norman. 2,883,272.  
 Kirschke, Norman W. 2,912,559.  
 Kirschke, Arthur A., and Krivanek. 2,889,485.  
 Kizaur, Arthur J. 2,885,557.  
 Kizaur, Arthur J. 2,888,471.  
 Kizaur, Arthur J. 2,901,302.  
 Kizaur, Arthur J., and Mueller. 2,890,346.  
 Kleczek, Walter S. 2,882,924.  
 Klein, Keith W. 2,880,300.  
 Klint, Robert V. 2,916,258.

## General Electric Co.: See—Continued

Klint, Robert V., and Nerad. 2,913,221.  
 Knaib, Wendell M. 2,868,162.  
 Koenig, Paul W. 2,876,399.  
 Korol, Peter, and Voechle. 2,884,283.  
 Kosfeld, Milton M. 2,883,101.  
 Kosfeld, Milton M. 2,904,871.  
 Kosfeld, Milton M. 2,904,973.  
 Kotsch, William E., and Ackerman. 2,901,667.  
 Krantz, Karl W. 2,887,467.  
 Krantz, Karl W. 2,916,461.  
 Krauss, Paul. 2,906,808.  
 Krone, Raymond E. 2,867,112.  
 Krupp, Anton M. 2,918,645.  
 Krystian, Karol J., Lauritsen, and Voorhees. 2,914,705.  
 Kubler, Ernest F. 2,887,648.  
 Kubler, Ernest F. 2,899,629.  
 Kuebler, Robert A. 2,892,923.  
 Kuhn, Donald H. 2,901,745.  
 Kurowski, Victor J. 2,889,693.  
 Kurtz, Donald R. 2,874,242.  
 Labastie, Albert H. 2,894,155.  
 Lafferty, James M. 2,884,550.  
 Lafferty, James M. 2,887,614.  
 Lafferty, James M. 2,885,592.  
 Lafferty, James M. 2,888,603.  
 LaFuze, David L. 2,892,141.  
 Lamberton, Clifford J., Christensen, and Keating. 2,878,455.  
 Lamberton, Clifford J. 2,909,742.  
 Landuyt, John F., and Simmons. 2,883,599.  
 Larrison, John E. 2,914,716.  
 Lasher, Hiram S., Jr. 2,877,383.  
 Latter, Bruce B. 2,895,306.  
 Latter, Bruce B., and Bodong. 2,895,781.  
 Lavoo, Norman T., and Kyhl. 2,867,696.  
 Lawton, Elliott J. 2,906,679.  
 Lawton, Elliott J., and Bueche. 2,906,678.  
 Lawton, Elliott J., and Grubb. 2,904,481.  
 Lawson, Gerald W. 2,912,823.  
 Leeds, Laurance M. 2,912,651.  
 Leete, Bernard D. 2,916,690.  
 Lemmerman, Harold H. P., and Crocker. 2,899,434.  
 Lemmers, Eugene. 2,904,715.  
 Lemmers, Eugene. 2,915,664.  
 Lemmers, Eugene, Shaw, and Salo. 2,916,645.  
 Lenz, Charles E. 2,872,571.  
 Lenz, Charles E. 2,885,669.  
 Lesk, Israel A. 2,901,554.  
 Lester, William N., and Shaw. 2,914,635.  
 Letteron, Henry A. 2,868,269.  
 Levand, Victor A. 2,900,771.  
 Levand, Victor A. 2,917,870.  
 Levand, Victor A., and Wiley. 2,868,609.  
 Lewis, Walter E. 2,870,317.  
 Lewis, Walter E., and Jordan. 2,883,507.  
 Liao, Tseng W., and Nichols. 2,912,382.  
 Lichtenfels, Ira W. 2,913,650.  
 Lichtenstein, Roland M. 2,874,304.  
 Lichtenstein, Roland M. 2,903,591.  
 Liebhafsky, Herman A. 2,882,329.  
 Lindsay, Elton A., and Dobras. 2,901,655.  
 Lindsay, Elton A., and Phillips. 2,901,648.  
 Litt, Harry B., and Anderson. 2,868,159.  
 Litt, Harry B., and Anderson. 2,875,725.  
 Loeffler, John R. 2,875,393.  
 Loeffler, John R. 2,898,480.  
 Logan, Stanley E. 2,900,199.  
 Longenecker, Daniel M., and Chamberlain. 2,897,412.  
 Lord, Harold W. 2,871,412.  
 Lord, Harold W. 2,888,641.  
 Loudon, Harry L. 2,883,072.  
 Lynch, Edward E. 2,881,326.  
 Mahn, George R. 2,914,692.  
 Mahon, William J., and Wilson. 2,879,740.  
 Malm, Robert N., and Vodicka. 2,904,716.  
 Manfredi, Robert E. 2,883,577.  
 Marinace, John C. 2,904,704.  
 Marinace, John C., and Cocco. 2,885,562.  
 Martinak, Leonard J., and Reblinger. 2,867,224.  
 Martt, Ernest C., and Beeninga. 2,888,585.  
 Maslin, Thomas I., and Herman. 2,916,673.  
 Mathis, Vernon P., and Suran. 2,879,482.  
 Maude, William A. 2,903,321.  
 Maure, Douglas R., and Kettlety. 2,907,888.  
 Maxwell, Donald E. 2,883,528.  
 May, John E. 2,867,558.  
 May, John E. 2,867,559.  
 Mayo, Frank R. 2,879,276.  
 McCarty, Orin P., and Barr. 2,878,333.  
 McCoy, Robert L., and Kaminski. 2,899,484.  
 McElwain, Jay L. 2,890,426.  
 McEntee, Harry R. 2,887,500.  
 McFarland, Donald L. 2,898,437.  
 McGrew, Thomas A. 2,889,692.  
 McMillan, Stephen L. 2,899,802.  
 McMillan, Stephen L. 2,911,800.  
 McNaughton, James L. 2,905,201.  
 McQueen, Jack G. 2,871,471.  
 Mees, Robert D. 2,872,344.  
 Meese, George E. 2,910,576.  
 Mendelsohn, Lewis I., and Faus. 2,897,443.  
 Metzger, Matt F. 2,869,247.  
 Metzger, Matt F. 2,911,512.

## General Electric Co.: See—Continued

Mezzack, Joseph. 2,878,304.  
 Michaels, Harold A. 2,912,557.  
 Millar, Norval P. 2,883,624.  
 Millar, Norval P., and Clark. 2,903,647.  
 Miller, Nicholas. 2,870,314.  
 Miller, Alexander A. 2,895,891.  
 Miller, Alexander A. 2,897,092.  
 Miller, Alexander A. 2,897,127.  
 Miller, David B. 2,898,492.  
 Miller, Nicholas. 2,889,432.  
 Miller, Alexander A., and Mayo. 2,911,436.  
 Mills, Walter T. 2,878,410.  
 Mills, Walter T. 2,887,607.  
 Mills, Walter T. 2,910,609.  
 Milne, James M. 2,873,519.  
 Milroy Philip R., and Volt. 2,909,184.  
 Mollenberg, Leroy. 2,896,144.  
 Moore, Raymond E. 2,892,974.  
 Morcerf, Francis J., Jr., and Maure. 2,869,068.  
 Morey, Everett D. 2,873,539.  
 Morgan, Raymond E., and Ogle. 2,897,293.  
 Morris, William C. 2,997,407.  
 Morrissey, William M., Jr., and Dahlgren. 2,889,901.  
 Morse, Francis. 2,917,922.  
 Mosher, Ralph S. 2,869,139.  
 Muth, Robert C., and Hegel. 2,869,939.  
 Myers, Robert L. 2,867,495.  
 Myracle, James L., and Rosenblatt. 2,885,613.  
 Nadeau, Herman A. 2,898,427.  
 Nason, Harold A. 2,876,498.  
 Nerad, Anthony J. 2,869,629.  
 Nerad, Anthony J., and Hurd. 2,894,830.  
 Nerad, Anthony J., and Johnson. 2,867,267.  
 Neumann, Gerhard. 2,873,088.  
 Newberry, Sterling P. 2,877,353.  
 Newell, James K., Jr. 2,913,573.  
 Nial, Walter R. 2,916,230.  
 Nichols, Frank S., and Smith. 2,879,323.  
 Noesen, Stanley J. 2,907,807.  
 Nolte, Henry J. 2,904,456.  
 Nonomaque, Clyde J. 2,895,307.  
 Nonomaque, Clyde J. 2,907,181.  
 Nottelmann, John F., and Lebenbaum. 2,916,177.  
 Novak, Richard A. 2,914,241.  
 Novak, Warren D. 2,878,873.  
 Ogle, Hugh M. 2,887,644.  
 Ogle, Hugh M. 2,913,596.  
 Ogle, Hugh M., and Deavers. 2,881,786.  
 Olashaw, William F. 2,882,513.  
 Olsen, Arthur A. 2,890,383.  
 Oppel, John A. 2,911,546.  
 Orlando, Vincent A. 2,914,863.  
 Osthoff, Robert C. 2,913,314.  
 Owens, Austin P. 2,883,515.  
 Page, Robert G. 2,868,864.  
 Palne, Joseph L. 2,915,359.  
 Palmer, Konstantin K. 2,912,658.  
 Parker, Fred T. 2,879,462.  
 Parks, Herman D. 2,893,636.  
 Patterson, Le Roy R., Jr. 2,867,035.  
 Patterson, Milton E., Luna, and Ishler. 2,901,375.  
 Pearson, Charles W. 2,877,375.  
 Pearson, Donald L., and Nelson. 2,870,586.  
 Peaslee, Lawrence R., and Rosenblatt. 2,894,253.  
 Pennoyer, Robert T. 2,913,102.  
 Perotte, Laurence F. 2,903,631.  
 Perotte, Laurence F. 2,903,632.  
 Peters, Philip H., Jr., and Wilbur. 2,886,786.  
 Peterson, Eric O., and Harvey. 2,878,841.  
 Pettley, Joseph E. 2,899,614.  
 Philipp, Herbert R. 2,898,498.  
 Picossi, Vincent J., Spooner, and Wall. 2,886,721.  
 Pileggi, Peter T. 2,885,581.  
 Pincus, Alexis G. 2,912,340.  
 Pinney, Harold E. 2,869,061.  
 Plaste, John M. 2,869,105.  
 Plaste, John M., and Strubel. 2,868,930.  
 Plteo, Benjamin A., Jr., and Powell. 2,912,544.  
 Plteo, Benjamin A., Jr., and Powell. 2,912,545.  
 Plunkett, Robert. 2,901,703.  
 Poellnitz, William A., and Klint. 2,916,257.  
 Polito, Anthony J. 2,878,392.  
 Pollock, Herbert C. 2,867,728.  
 Pomfrett, John M., and Jenne. 2,918,592.  
 Popa, John. 2,892,126.  
 Powell, Alric H. 2,886,663.  
 Powers, Cecilio C. 2,917,811.  
 Powers, James H. 2,873,908.  
 Powers, James H. 2,888,092.  
 Powers, James H. 2,908,147.  
 Powers, James H. 2,917,130.  
 Precopio, Frank M. 2,867,553.  
 Precopio, Frank M., and Gilbert. 2,888,424.  
 Pritchard, Robert L. 2,910,653.  
 Prober, Maurice. 2,913,472.  
 Pugsley, Donald W. 2,909,770.  
 Quinn, Joseph G. 2,889,058.  
 Racynski, Walter J., and Worst. 2,873,598.  
 Racynski, Walter J., and Worst. 2,900,080.  
 Radke, Donald F., Fagin, and Marks. 2,869,790.  
 Raley, Howard F. 2,887,785.  
 Re, Vito. 2,885,876.

## General Electric Co.: See—Continued

Rodington, Rowland W. 2,879,419.  
 Refice, Alfred F. 2,904,289.  
 Reid, Eugene H. 2,887,618.  
 Reisch, George J. 2,891,133.  
 Rexford, Donald L. 2,878,785.  
 Reynolds, Donald K. Re. 2,841.  
 Reynolds, Donald K. 2,894,796.  
 Reynolds, Kenneth W. 2,887,905.  
 Reynolds, Kenneth W., and Terez. 2,904,192.  
 Rich, Harold. 2,897,446.  
 Rich, Joseph A. 2,888,600.  
 Rich, Joseph A. 2,894,170.  
 Rich, Theodore A. 2,868,968.  
 Rich, Theodore A. 2,884,088.  
 Ricketts, Robert E. 2,915,599.  
 Riddington, Frederick W., and Felts. 2,876,736.  
 Ridley, Oscar E., and Walsh. 2,915,281.  
 Robbie, Kenneth A. 2,867,095.  
 Robbins, Earl R. 2,877,410.  
 Roberts, Edward H. 2,907,183.  
 Roberts, Shepard. 2,902,545.  
 Robertson, Frederick W. 2,908,328.  
 Robinson, David, Mitchell, Johnson, and Samsel. 2,912,678.  
 Rocha, Henrique A. F. 2,870,380.  
 Rocha, Henrique A. F. 2,895,784.  
 Roche, Jean A. F., and Bookmyer. 2,881,827.  
 Rogers, Robert E. 2,913,292.  
 Rose, Lloyd R. 2,898,469.  
 Rose, Stanley E. 2,869,651.  
 Rose, Stanley E. 2,883,837.  
 Rose, Stanley E. 2,896,424.  
 Rosenberg, Joseph. 2,909,495.  
 Rosenblatt, Murray, and Rubenstein. 2,899,630.  
 Ross, John F., and Sloyer. 2,904,516.  
 Rossin, Peter C., Jr., and Noesen. 2,907,806.  
 Rowe, Raymond N. 2,885,652.  
 Rubenstein, Alan S. 2,914,680.  
 Ruetsch, Charles D. 2,914,258.  
 Saby, John S. 2,886,746.  
 Safford, Moyer M. 2,867,605.  
 Safford, Moyer M. 2,888,419.  
 Safford, Moyer M., and Myers. 2,867,603.  
 Salomone, Rynold A. 2,899,521.  
 Samsel, Richard W. 2,873,604.  
 Sargent, Donald E. 2,892,801.  
 Savage, Richard M. 2,891,033.  
 Savidge, Roland E. 2,888,345.  
 Savory, David H. 2,899,649.  
 Sawyer, Robert W. 2,916,594.  
 Sayre, Edwin D. 2,914,300.  
 Schaffer, Herman W., and Speicher. 2,894,239.  
 Schmall, Wilbur A. 2,912,922.  
 Schmall, Wilbur A., and Kropp. 2,913,563.  
 Schmidt, Stanley A., and Hardy. 2,880,380.  
 Schmitz, John V., and Lawton. 2,900,277.  
 Schneider, Harold N. 2,897,324.  
 Schoenoff, Waldemar P., and Vargo. 2,917,869.  
 Schroeder, George W. 2,889,800.  
 Schrom, Edward C. 2,901,693.  
 Schubert, Albert E. 2,867,099.  
 Schultz, Blanche R. 2,889,442.  
 Schultz, William J., and van Bennekom. 2,900,463.  
 Schulze, Wallace M. 2,893,242.  
 Schumacher, Frank A. 2,907,184.  
 Schwartz, Harry. 2,909,751.  
 Scott, Charles J., and Pertwee. 2,904,451.  
 Scutito, Thomas J. 2,874,216.  
 Scully, Thomas J. 2,908,787.  
 Seeley, Harold T. 2,896,127.  
 Seeley, Richard E. 2,882,002.  
 Shaffer, John H. 2,892,808.  
 Shaffer, Paul B. 2,912,290.  
 Shaw, Robert J., and Devendorf. 2,875,972.  
 Shea, Richard F. 2,889,416.  
 Sheahan, Robert E. 2,904,818.  
 Shelton, Winston L. 2,869,348.  
 Shelton, Winston L., and Jennings. 2,870,278.  
 Shepherd, Neal H. 2,899,639.  
 Shepherd, Neal H. 2,912,569.  
 Sherman, George R. 2,873,737.  
 Sills, Earl H. 2,899,616.  
 Simer, Samuel B. 2,876,591.  
 Simer, Samuel B. 2,876,597.  
 Simer, Samuel B. 2,904,162.  
 Simpson, Amos W., Jr. 2,901,579.  
 Skolfield, William K. 2,904,816.  
 Skytan, Robert. 2,894,132.  
 Slattery, John P., and Helmo. 2,896,886.  
 Slivka, Marion J. 2,879,432.  
 Smee, Peter G. 2,868,972.  
 Smee, Peter G., and Ker. 2,882,339.  
 Smith, Austin W., and Moneymaker. 2,892,567.  
 Smith, Russell M. 2,883,608.  
 Smith, Sidney R., Jr., and Charewicz. 2,890,313.  
 Snyder, Frank R. 2,912,554.  
 Soder, Robert C. 2,887,854.  
 Solheim, Karsten. 2,870,438.  
 Solheim, Karsten. 2,909,803.  
 Solley, Douglas A., Jr., and Robbie. 2,900,807.  
 Somers, William P., and Holt. 2,892,918.  
 Somes, Frederick J., Jr. 2,913,818.  
 Sonder, Gerhard. 2,915,280.



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Spaller, Albert L. 2,887,823.  
 Spector, Marshall L., and Strang. 2,899,453.  
 Speicher, William. 2,899,005.  
 Spencer, Albert B. 2,890,192.  
 Speros, Dimitrios M. 2,871,196.  
 Spiegelhalter, William G. 2,911,899.  
 Spitzer, Charles F., and Rosen. 2,911,484.  
 Staak, Julius H. 2,874,309.  
 Staats, James E. 2,892,917.  
 Stafford, Linn T., and Bernadt. 2,896,311.  
 Steiner, Harry C. 2,906,902.  
 Stephens, Joe F. 2,907,912.  
 Stephenson, Donald H., and Jenny. 2,890,394.  
 Stern, Arthur P. 2,878,376.  
 Stern, Arthur P. 2,889,453.  
 Stern, Arthur P. 2,900,439.  
 Stern, Arthur P., and Raper. 2,882,350.  
 Stern, Hansjoerg. 2,879,467.  
 Sternlicht, Beno. 2,901,297.  
 Steven, Harry M., and Marshall. 2,884,497.  
 Stevens, Leland J. 2,918,520.  
 Stevens, Leland J. 2,899,482.  
 Stocking, George E. 2,911,797.  
 Stoddard, Edgar S. 2,894,845.  
 Stoddard, Edgar S. 2,894,846.  
 Stoddard, Edgar S. 2,906,684.  
 Stoddard, Edgar S. 2,912,372.  
 Stoddard, Edgar S., and Vallino. 2,906,685.  
 Stone, George M., Jr., and Sisulak. 2,867,104.  
 Streeter, August L., and Wilson. 2,914,724.  
 Strecker, Charles E. 2,878,421.  
 Strickland, Harold A. 2,879,368.  
 Suesserott, Charles F. 2,889,872.  
 Suits, Chauncey G. 2,890,621.  
 Summerhayes, Harry R., Jr. 2,868,059.  
 Summerhayes, Harry R., Jr. 2,888,643.  
 Summers, Erwin R. 2,881,034.  
 Suran, Jerome J. 2,876,355.  
 Suran, Jerome J. 2,913,541.  
 Sutton, Clement E., Jr. 2,875,267.  
 Swedlund, Lloyd E. 2,907,906.  
 Swedlund, Lloyd E. 2,913,612.  
 Swenson, Alfred G. 2,873,329.  
 Swerdlow, Nathan, and Wilson. 2,892,012.  
 Swing, Mervin J. 2,880,368.  
 Szpak, Stanislaw J., and Darrel. 2,910,351.  
 Tarleton, Frederic L. 2,880,049.  
 Taylor, Charles L. 2,888,590.  
 Taylor, Clement F. 2,907,208.  
 Terry, Paul V. 2,887,043.  
 Thompson, Paige W. 2,872,255.  
 Thompson, Paige W. 2,905,267.  
 Thor, Robert C., and Linker. 2,906,919.  
 Thuener, Everett E., and Leibson. 2,912,739.  
 Till, Vincent L., and Bohlinger. 2,873,759.  
 Titus, Charles H. 2,918,547.  
 Toggas, James. 2,914,420.  
 Toma, John W. 2,917,175.  
 Townsend, George R. 2,889,421.  
 Travers, William R. 2,913,874.  
 Treanor, Edward D. 2,872,651.  
 True, Thomas T. 2,908,877.  
 True, Thomas T. 2,910,657.  
 Tucker, Jewell G. 2,887,602.  
 Tucker, Jewell G. 2,913,617.  
 Tyler, Leslie P., and Dilts. 2,892,568.  
 Tyler, Winfield W., and Newman. 2,871,377.  
 Tyler, Winfield W., and Newman. 2,871,427.  
 Uhrig, Harry W., and White. 2,890,890.  
 Van Luik, Frank W. 2,915,939.  
 Van Luik, Frank W., Jr. 2,897,059.  
 Van Luik, Frank W., Jr. 2,907,620.  
 Van Luik, Frank W., Jr. 2,915,898.  
 Van Nest, Francis H. 2,869,323.  
 Van Nest, Francis H. 2,914,917.  
 Van Nest, Francis H., and Brown. 2,912,824.  
 Varadi, Louis E. 2,914,919.  
 Velch, Albert H., and Rangert. 2,869,042.  
 Venema, Harry J. 2,911,595.  
 Vermeulen, William. 2,878,329.  
 Vodicka, Vincent. 2,892,956.  
 Vonnegut, Bernard. 2,887,879.  
 Wagner, Ernest A., and Freeman. 2,903,959.  
 Walkoe, Kenneth H. 2,907,859.  
 Wall, Robert L. 2,881,337.  
 Wallace, Henry W. 2,914,645.  
 Warhus, John D. 2,881,633.  
 Warhus, John D. 2,914,217.  
 Webb, William M. 2,912,888.  
 Webber, Stanley E., and Rich. 2,900,557.  
 Weininger, Joseph L. 2,890,259.  
 Welbon, William W. 2,913,315.  
 Welch, Stanley B. 2,900,483.  
 Wendt, Harry C. 2,879,415.  
 Wendt, Harry C. 2,907,213.  
 Wenzel, Lyle J., and Wolff. 2,874,252.  
 Wesolowski, Adolph J. 2,876,371.  
 Wesolowski, Adolph J. 2,899,573.  
 Westendorp, Willem F. 2,897,400.  
 White, Donald R. 2,910,830.  
 White, John E. 2,913,629.  
 White, William C. 2,904,695.  
 Wiley, Emmett H. 2,904,714.

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Wilhelmson, Donald A. 2,868,911.  
 Wilk, Stanley H., and Cuzzone. 2,869,579.  
 Wilk, Stanley H., and O'Neill. 2,910,663.  
 Wilkes, Gordon B., Jr. 2,912,222.  
 Wilkes, Gordon B., Jr. 2,914,297.  
 Wilkes, Gordon B., Jr. 2,916,808.  
 Williams, Ferd E. 2,909,703.  
 Williams, Reade. 2,913,671.  
 Willyoung, David M. 2,904,708.  
 Wiltshire, William T. S., and Terez. 2,910,166.  
 Windsor, Harold F. 2,907,673.  
 Windsor, Harold F. 2,913,352.  
 Winn, Oliver H. 2,881,390.  
 Wirt, Harrison L. 2,916,878.  
 Wohlferth, Harry C., and Martin. 2,880,336.  
 Wolf, Robert A. 2,874,261.  
 Wolfe, John K. 2,886,625.  
 Wolff, Ernst R. 2,897,319.  
 Wolff, George M., and Richardson. 2,917,570.  
 Woll, Edward. 2,914,912.  
 Wood, Winchester R. 2,879,465.  
 Woodruff, Howard C. 2,914,509.  
 Worcester, Joseph A., Jr. 2,915,625.  
 Worst, Joseph C. 2,878,914.  
 Worst, Joseph C. 2,878,937.  
 Wright, Floyd R. 2,869,069.  
 Wright, James H., Briggs, Billings, and Harriman. 2,903,645.  
 Yoder, Joe B., and Cappello. 2,901,521.  
 Yoder, Lewis A. 2,910,338.  
 Yohe, Charles H. 2,880,297.  
 Yohe, Charles H. 2,880,298.  
 Zazac, Joseph P. 2,880,006.  
 Zeldler, Howard M. 2,882,400.  
 Zelina, William B. 2,886,763.  
 Zelina, William B. 2,886,764.  
 Zelina, William B. 2,911,586.  
 Zemany, Paul D. 2,901,616.  
 Zierdt, Conrad H., Jr. 2,882,462.  
 Zierdt, Conrad H., Jr. 2,887,628.  
 Zubal, Anthony, and Bouvier. 2,879,918.  
 Zuerker, Siegfried J., and Saggese. 2,894,182.  
 Zunick, Michael J. 2,909,686.  
 Zunick, Michael J., and Bell. 2,909,664.  
 Zunick, Michael J., and Cummings. 2,885,583.  
 Zunick, Michael J., and Stroble. 2,885,585.  
 General Electric Co. Ltd., The: See—  
 Beesley, John H. 2,869,035.  
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 Bradshaw, Stanley E., and Mlavsky. 2,894,863.  
 Brand, Denis J., and Ewels. 2,881,103.  
 Breadner, Robert L., and Simma. 2,886,920.  
 Bryden, Joseph E. 2,877,349.  
 Bryden, Joseph E. 2,895,128.  
 Bryden, Joseph E., Flint, Hyamson, and Small. 2,882,401.  
 Chubb, Alexander A., and Levy. Re. 24,679.  
 Chubb, Alexander A., Mawson, and Levy. Re. 24,680.  
 Colson, Ian D. 2,881,370.  
 Cornell, Walter, and Shepherd. 2,898,517.  
 Easter, Brian. 2,906,957.  
 Farmer, Eugene D., and McConalogue. 2,895,132.  
 Ferguson, Harold M., and Mainwaring. 2,913,702.  
 French, Gordon P. 2,899,552.  
 Goldsmid, Hiroshi J. 2,886,618.  
 Griffith, George W. S. 2,917,711.  
 Hayes, Alfred G. 2,898,561.  
 Huggard, Joseph P., and Scott. 2,867,760.  
 Imm, Ronald C. 2,881,397.  
 Jones, David J., and Gossling. 2,881,104.  
 Knott, Ralph D., and Young. 2,898,668.  
 Little, John G. 2,867,722.  
 Mitchell, John M. 2,914,299.  
 Privett, Roy F. 2,881,434.  
 Rigden, Sydney A. R. 2,875,358.  
 Rockall, Frederick W. 2,899,677.  
 Runciman, Robert D. 2,890,456.  
 Sherwen, Joseph W. 2,875,889.  
 Sowter, Anthony B., and Foxon. 2,894,823.  
 Stonehouse, Bernard H. 2,891,211.  
 Tyler, David C. 2,919,412.  
 Willson, Bernard. 2,917,718.  
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 Salgo, Francis J. 2,897,389.  
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 Huthaling, Charles K., and Billings. 2,895,556.  
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 Anderson, Alfred H., and W. 2,872,269.  
 Hensch, Earl J., and Terlecki. 2,914,370.  
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 McKinley, William H. 2,913,208.  
 Ruddell, Allison R., and Wilmer. 2,887,115.  
 Ruddell, Allison R., and Wilmer. 2,887,352.  
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Clinton, William P., Guggenheim, Kraut, and Stinchfield. 2,915,403.  
 Cohen, Joseph H. 2,915,402.  
 Corben, Leo D., and Steigmann. 2,890,215.  
 Earle, Ernest L., Jr., Sienkiewicz, and Stone. 2,917,389.  
 Feldman, Jacob R. 2,875,063.  
 Finucane, Thomas P. 2,916,379.  
 Finucane, Thomas P., Mitchell, and Raymond. 2,916,380.  
 Guggenheim, Herbert, and Stinchfield. 2,915,399.  
 Kelley, Daniel J., and Lanham. 2,917,745.  
 Kramer, Franklin, and Kalafatas. 2,886,442.  
 Kramer, Franklin, and Rosenthal. 2,886,440.  
 Kramer, Franklin, Rosenthal, and Tole. 2,886,441.  
 Kramer, Franklin, Rosenthal, and Tole. 2,886,446.  
 Kramer, Franklin, Rosenthal, and Tole. 2,886,447.  
 Kramer, Franklin, Rosenthal, and Tole. 2,886,448.  
 La Rocca, Rudolph J., and Sarko. 2,917,746.  
 MacAllister, Robert V., and Reichenwallner. 2,912,855.  
 Rosenthal, Harold, Kramer, and Steigmann. 2,886,444.  
 Rosenthal, Harold, Kramer, Steigmann, and Tole. 2,886,443.  
 Rosenthal, Harold, Kramer, Steigmann, and Tole. 2,886,445.  
 Rosenthal, Harold, Kramer, Steigmann, and Tole. 2,886,449.  
 Rusoff, Irving I. 2,887,384-8.  
 Rusoff, Irving I. 2,899,309.  
 Shuster, Joseph. 2,901,086.  
 Stagemer, Arthur F. 2,895,656.  
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 Vollick, Willard L. 2,868,647.  
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 Cooksley, Ralph D. 2,912,006.  
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 Hartman, Herbert L. 2,876,648.  
 Marsh, Orlo W. 2,882,077.  
 Tamm, Emil S. 2,883,598.  
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 Friberg, Vincent P. 2,889,522.  
 Higgs, Harold P. 2,918,640.  
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 McNulty, John V. 2,896,123.  
 McNulty, John V., and Wright. 2,910,622.  
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 Sheheen, Shay J. 2,893,930.  
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 Garner, Lue O. 2,910,802.  
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 Hoffer, James F. 2,880,678.  
 Merrill, Dale R. 2,878,405.  
 General Mills, Inc.: See—  
 Aelony, David. 2,891,021.  
 Aelony, David. 2,891,022.  
 Aelony, David. 2,908,584.  
 Aelony, David, and Wittcoff. 2,899,397.  
 Andersen, Donald L. 2,913,305.  
 Baldwin, William S., Floyd, and Paschke. 2,868,815.  
 Bergsland, Charles H., James, Karine, Kwasniewski, and Neumeier. 2,893,009.  
 Blixrud, John O. 2,912,127.  
 Burmeister, Earl R., and Schott. 2,878,600.  
 Burmeister, Earl R., and Schott. 2,878,601.  
 Chang, Robert W. H., and Barker. 2,915,540.  
 Coon, Kenneth C., Harpole, and Van Krevelen. 2,893,236.  
 Dryg, Donald W. 2,903,135.  
 Elverum, Gerard W., and Ramstad. 2,891,050.  
 Froehlich, Harold E. 2,880,946.  
 Gear, Eli C. 2,873,048.  
 Glaser, David W. 2,880,194.  
 Harrison, Stuart A. 2,878,233.  
 Holahan, John L. 2,882,162.  
 Keller, Harold M. 2,909,431.  
 Keller, Harold M., and Beck. 2,870,026.  
 Kohl, Douglas A. 2,906,648.  
 Kohl, Douglas A. 2,908,595.  
 Kwasniewski, George A. 2,902,691.  
 Lang, Keith M. 2,907,502.  
 Lentz, Thomas H., Ople, and Terry. 2,891,012.  
 Long, George, and Tsuchiya. 2,876,891.  
 Moen, Rolf. 2,913,901.  
 Mohr, Robert A., and Capener. 2,878,199.  
 Muckenhirn, Oscar W. 2,910,582.  
 Nordgren, Robert. 2,876,259.  
 Peerman, Dwight E. 2,889,292.  
 Peerman, Dwight E., and Floyd. 2,881,194.  
 Peerman, Dwight E., and Floyd. 2,891,023.  
 Peerman, Dwight E., and Wittcoff. 2,886,543.  
 Petersen, Paul S. 2,879,585.  
 Petersen, Paul S. 2,902,689.  
 Petersen, Paul S. 2,914,843.  
 Peterson, Lowell E. 2,878,234.  
 Preston, John M. 2,876,174.

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Reld, Alan A. 2,879,125.  
 Van Krevelen, Edward R. 2,890,409.  
 Yost, Paul E. 2,871,597.  
 General Motors Corp.: See—  
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 Abresch, Carel F. 2,907,335.  
 Abresch, Carel F. 2,907,470.  
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 Adams, Daniel M., and Tell. 2,905,286.  
 Albinson, Harold H., and Voss. 2,867,136.  
 Albrecht, Leonard N. 2,897,812.  
 Allured, Robert B., and Walker. 2,912,105.  
 Altson, Ralph. 2,878,083.  
 Amala, Raymond S., and Diamond. 2,876,508.  
 Anderson, Charles C., Eder, Zimmerman, Heath, and McLaughlin. 2,898,442.  
 Andrew, Margaret J. 2,910,207.  
 Andrews, Edward F. 2,902,599.  
 Andrews, Edward F. 2,904,676.  
 Anthony, Robert C., and Williams. 2,870,477.  
 Antonidis, John E., Dray, and Urm. 2,870,354.  
 Arkus-Duntov, Zora. 2,882,853.  
 Arlauskas, Alfonsas. 2,914,314.  
 Arlauskas, Alfonsas, and Hollar. 2,918,274.  
 Arlauskas, Alfonsas. 2,918,275.  
 Armington, Arthur P. 2,901,846.  
 Armington, Arthur P. 2,904,910.  
 Armington, George E. 2,896,344.  
 Armington, George E. 2,904,905.  
 Armington, George E. 2,910,790.  
 Armington, Raymond Q., and A. P. 2,899,760.  
 Arnold, Charles F., and Cole. 2,870,362.  
 Axtmann, Harold G. 2,917,319.  
 Badura, Edmund S. 2,895,161.  
 Baker, Lathan E. 2,879,450.  
 Baker, Max P. 2,869,585.  
 Baker, Max P. 2,879,091.  
 Baker, Max P. 2,917,334.  
 Baker, Max P. 2,919,150.  
 Barberis, Fortunato. 2,885,859.  
 Barish, Thomas, Irwin, Line, and Wright. 2,886,112.  
 Barnard, Richard P. 2,871,335.  
 Barnard, Richard P. 2,893,727.  
 Barr, John M. 2,877,004.  
 Bates, Charles E. 2,889,392.  
 Battenberg, Virgil B., Katterheirich, and Sayre. 2,874,787.  
 Battenberg, Virgil, Miller, Detamore, and Moore. 2,883,178.  
 Bayley, George R. 2,893,779.  
 Beauchamp, Paul N. 2,869,917.  
 Beck, George W., Sehn, and Ziffer. 2,902,732.  
 Becker, Arthur L. 2,891,634.  
 Becker, Bernard J., Jr., and Duclos. 2,869,912.  
 Bell, William E. 2,913,589.  
 Benham, Harold L. 2,881,490.  
 Benham, Harold L. 2,890,915.  
 Benham, Harold L. 2,908,952.  
 Bentley, Robert F. 2,897,670.  
 Berner, Phillip J. 2,872,539.  
 Berninger, Kenneth L., Skinner, and Covert. 2,916,094.  
 Bernotas, Ralph J. 2,878,882.  
 Bernotas, Ralph J. 2,880,746.  
 Bertsch, Joseph F., Hansen, and Schilling. 2,916,284.  
 Betzer, Lloyd L. 2,886,295.  
 Beyer, Eugene J., and Zimmer. 2,884,997.  
 Bidwell, Joseph B. 2,904,120.  
 Blondo, Frank P. 2,883,234.  
 Blackburn, Alan B. 2,912,008.  
 Blackburn, Alan B., Kessler, Skinner, and Smith. 2,876,847.  
 Blackburn, Mack O. 2,900,765.  
 Blanchard, Wallace, Jr. 2,893,496.  
 Bloom, John W., and Brubaker. 2,917,107.  
 Bockemuhl, Robert R. 2,913,638.  
 Bodem, Roy C. 2,910,966.  
 Boegehold, Alfred L. 2,881,511.  
 Boegehold, Alfred L. 2,882,974.  
 Boegehold, Alfred L., and Vigor. 2,906,008.  
 Bogater, John P., Loria, and Putnam. 2,908,415.  
 Bogater, John P., and Ragsdale. 2,894,277.  
 Bohnhoff, Arthur F., and Falver. 2,917,320.  
 Bolles, Charles P., Jr. 2,894,497.  
 Booth, Frederick E., Jr., Wanttaja, and Colten. 2,915,896.  
 Bowers, Roy L., and Colby. 2,874,208.  
 Bowser, Phillip C., and Denzer. 2,906,526.  
 Boylan, Henry W. 2,891,388.  
 Boylan, Henry W. 2,894,441.  
 Boylan, Henry W., Doane, and McManama. 2,893,700.  
 Boylan, Henry W., Doane, and Muller. 2,883,161.  
 Boylan, Henry W., and Mall. 2,894,444.  
 Brady, William A., Jr. 2,905,803.  
 Brand, Hugh R., Garvey, and Haviland. 2,892,657.  
 Brandes, Roy H., and Conn. 2,918,129.  
 Bremer, Robert D. 2,888,656.  
 Bremer, Robert D. 2,897,467.  
 Bremer, Robert D., and Simon. 2,910,570.  
 Brice, John R., and Dixon. 2,875,746.  
 Brill, William E. 2,872,606.  
 Brill, William E. 2,894,407.  
 Broffitt, Wilgus S. 2,891,382.  
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 Browne, Donald B., and Buckman. 2,874,849.  
 Brucken, Byron L. 2,869,346.  
 Brucken, Byron L. 2,878,662.  
 Brucken, Byron L. 2,881,609.  
 Brucken, Byron L. 2,882,708.  
 Brucken, Byron L. 2,894,698.  
 Brunner, Richard J. 2,867,422.  
 Brunson, William E., Denzer, Olley, and Schilling. 2,908,508.  
 Bubniak, William C. 2,893,699.  
 Bubniak, William C., and Vickers. 2,888,248.  
 Buck, Charles E. 2,886,720.  
 Buckman, Kenneth E. 2,903,136.  
 Buckman, Kenneth E. 2,908,350.  
 Bull, Douglas T., and Lobanoff. 2,897,533.  
 Bulone, Joseph D. 2,916,895.  
 Burch, Lewis D. 2,898,898.  
 Burgess, Leslie G., and Gee. 2,902,109.  
 Burke, Joseph M. 2,885,095.  
 Burnell, John B., and Roberts. 2,915,914.  
 Burrell, Frank C. 2,895,447.  
 Burrell, Gilbert. 2,878,800.  
 Burrell, Gilbert. 2,886,021.  
 Burroughs, William F. 2,893,181.  
 Burton, Robert W., and Nance. 2,867,129.  
 Bush, Russell J. 2,878,535.  
 Bush, Russell J. 2,896,974.  
 Bush, Russell J., and Sayre. 2,898,643.  
 Bush, Russell J., and Sayre. 2,898,647.  
 Buskirk, John E. 2,883,444.  
 Buskirk, John E. 2,896,007.  
 Butcher, Charles H., Jr. 2,892,886.  
 Butkus, Walter A. 2,891,827.  
 Bychinsky, Wilfred A. 2,874,322.  
 Bychinsky, Wilfred A., and Candellise. 2,874,323.  
 Cameron, Donald J. 2,913,879.  
 Candellise, Alfred. 2,894,315.  
 Carls, Earl F. 2,910,974.  
 Carlson, Morris W. 2,895,919.  
 Carlson, Wilbur L. 2,913,603.  
 Carnegie, William L. 2,903,910.  
 Case, Arthur W. 2,913,235.  
 Champion, Richard H., and Gilson. 2,917,124.  
 Chaplin, Albin, and Reddy. 2,894,498.  
 Chapman, Charles S., Jr., and Gage. 2,912,876.  
 Chayne, Charles A. Re. 24,645.  
 Chayne, Charles A., and Dolza. 2,916,027.  
 Check, Forrest R. 2,916,881.  
 Check, Forrest R., and Reighard. 2,896,468.  
 Cheatham, Robert A. 2,892,454.  
 Chenea, Paul F. 2,897,024.  
 Christenson, Howard W. 2,916,999.  
 Christenson, Howard W., MacI, and Fisher. 2,912,884.  
 Cisllo, Casimer J. 2,872,206.  
 Clark, Earl J. 2,877,067.  
 Clark, Earl J. 2,890,086.  
 Clark, John B., Jr. 2,880,714.  
 Clayton, Edward M. 2,919,000.  
 Clifford, Hugh J., and Schwarz. 2,881,616.  
 Cobb, Leland D. 2,870,890.  
 Cobb, Leland D. 2,872,219.  
 Cobb, Leland D. 2,886,152.  
 Cobb, Leland D. 2,886,153.  
 Cobb, Leland D. 2,887,330.  
 Cockburn, Stanley D., and Fox. 2,904,365.  
 Cockburn, Stanley D., Leslie, Priestman, and Ragsdale. 2,871,049.  
 Colautti, Albert J. 2,888,293.  
 Colautti, Albert J. 2,909,624.  
 Cole, William C. 2,902,617.  
 Collman, John S., Turunen, and Vickers. 2,890,024.  
 Collins, Roy T., Dey, and Winston. 2,903,217.  
 Comer, Richard L. 2,870,233.  
 Coning, Donald L. 2,880,971.  
 Coning, Donald L. 2,903,863.  
 Coppock, Harold N. 2,892,908.  
 Corbin, Russel G. 2,911,247.  
 Cornillaud, Jack T. 2,918,146.  
 Cramer, Raymond H. 2,901,299.  
 Cromwell, Harold J. 2,900,058.  
 Croskey, Frank A., and Tuttle. 2,890,388.  
 Croskey, Frank A., and Tuttle. 2,916,576.  
 Dadd, Morris V. 2,871,833.  
 Daley, Frank R. L., Jr. 2,880,744.  
 Daley, Frank R. L., Jr. 2,906,360.  
 Daley, Frank R. L., Jr. 2,908,351.  
 De Dona, Mario J. 2,873,470.  
 Dega, Robert L. 2,878,995.  
 Dega, Robert L. 2,898,037.  
 Dega, Robert L. 2,900,129.  
 De Hart, Arnold O. 2,879,113.  
 De Lorean, John Z. 2,898,750.  
 De Lorean, John Z. 2,906,105.  
 De Lorean, John Z. 2,912,085.  
 Dermond, Lawrence C. 2,869,165.  
 Dermond, Lawrence C. 2,873,958.  
 Dermond, Lawrence C. 2,876,747.  
 Dermond, Lawrence C. 2,894,499.  
 Dermond, Lawrence C. 2,899,950.  
 Dermond, Lawrence C. 2,900,167.  
 Dermond, Lawrence C. 2,916,270.  
 Dermond, Lawrence C., and Olson. 2,898,096.

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Detamore, Harold H., and Hirsch. 2,876,848.  
 Dhonau, Herman B. C., and Nelson. 2,870,956.  
 Diamond, Milton J. 2,876,638.  
 Dickey, Herbert C. 2,908,536.  
 Dickson, John. 2,873,575.  
 Dickson, John. 2,909,160.  
 Diedring, John H. 2,909,653.  
 Diedring, John H. 2,918,570.  
 Diehl, Gordon H. 2,871,847.  
 Dietrich, Howard H. 2,868,521.  
 Dietrich, Howard H., and Paterson. 2,908,363.  
 Dilworth, Richard M. 2,874,648.  
 Disinger, Frank A., and Godfrey. 2,874,555.  
 Dittmer, Clyde A., and Hirsch. 2,891,627.  
 Dolza, John. 2,868,181.  
 Dolza, John. 2,868,443.  
 Dolza, John. 2,869,526.  
 Dolza, John. 2,871,842.  
 Dolza, John. 2,874,944.  
 Dolza, John. 2,875,742.  
 Dolza, John. 2,880,485.  
 Dolza, John. 2,890,690.  
 Dolza, John. 2,891,527.  
 Dolza, John. 2,909,165.  
 Dolza, John, and Burnell. 2,867,201.  
 Dolza, John, and Kolbe. 2,877,002.  
 Dolza, John, and Kolbe. 2,878,798.  
 Dolza, John, and Kolbe. 2,886,057.  
 Dolza, John, and Kolbe. 2,913,991.  
 Dolza, John, and Kolbe. 2,914,051.  
 Dolza, John, and Mick. 2,891,528.  
 Dolza, John, and Sagady. 2,879,046.  
 Double, Walter F. 2,913,928.  
 Doughty, Robert T. 2,871,836.  
 Doughty, Robert T. 2,898,063.  
 Du Bois, Harry G. 2,916,319.  
 Dudash, Michael A. 2,894,774.  
 Duer, Morris J. 2,894,501.  
 Dunn, Joseph B. 2,909,314.  
 Dyer, John B., and Harrison. 2,880,621.  
 Earl, Harley J. 2,893,776.  
 Edsall, Bruce M. 2,882,757.  
 Edsall, Bruce M., and Moore. 2,903,912.  
 Egbert, Earl L. 2,890,661.  
 Elder, Gordon B. 2,873,688.  
 Ellis, John H. 2,879,117.  
 Ennis, Clarence J. 2,908,115.  
 Erickson, Anton F. 2,908,358.  
 Erickson, William F. 2,894,525.  
 Eschbaugh, Jesse E. 2,874,712.  
 Estes, Elliott M., and Perkins. 2,916,325.  
 Evans, Jesse L. 2,889,825.  
 Evans, Jesse L. 2,899,255.  
 Evans, Jesse L., and Sisson. 2,880,479.  
 Everitt, Allen L. 2,871,566.  
 Everitt, Allen L. 2,903,208.  
 Everitt, Allen L., and Frederick. 2,880,027.  
 Everitt, Allen L., Frederick, and Mayer. 2,879,090.  
 Falver, Kenneth E. 2,882,068.  
 Falver, Kenneth E. 2,882,069.  
 Falver, Kenneth E. 2,915,305.  
 Falge, Robert N. 2,867,715.  
 Falge, Robert N. 2,867,910.  
 Falge, Robert N. 2,890,920.  
 Falge, Robert N., Broshar, and Manning. 2,911,523.  
 Falge, Robert N., and Galtner. 2,911,524.  
 Featherstone, Ronald A., and Rise. 2,908,066.  
 Finsterwalder, Carl J., Simmons, and Terkoski. 2,883,183.  
 Fisher, Walter S., and Kennedy. 2,886,022.  
 Fishahler, Vernon F. 2,895,315.  
 Fishahler, Vernon F., and Vincent. 2,910,147.  
 Fleck, Francis C., and Ralich. 2,875,635.  
 Fletcher, William A. 2,873,788.  
 Fletcher, William A. 2,888,272.  
 Fletcher, William A. 2,917,823.  
 Folt, William R., and Wellman. 2,916,026.  
 Foote, Howland S., and Tino. 2,872,253.  
 Forbush, Lothrop M. 2,906,558.  
 Foster, Ned R. 2,916,731.  
 Fox, Robert M. 2,894,302.  
 Fox, Robert M., and Grout. 2,886,365.  
 Frank, Bernard E., Hazen, and Stroud. 2,885,914.  
 Frank, Mark H. 2,887,900.  
 Frei, Arthur J. 2,874,352.  
 Frei, Arthur J. 2,886,958.  
 Frei, Arthur J. 2,907,179.  
 Frei, Arthur J. 2,908,146.  
 Frei, Arthur J., and Davis. 2,895,312.  
 Frey, Edward J. 2,892,175.  
 Frick, Charles H. 2,884,807.  
 Frick, Charles H. 2,916,040.  
 Fry, Millard E. 2,875,016.  
 Fryer, Edward R. 2,893,139.  
 Funkhouser, Mearick, and Schultze. 2,869,685.  
 Gall, Robert, and Everitt. 2,911,170.  
 Gall, Donald A. 2,871,002.  
 Galonska, David A. 2,890,594.  
 Galonska, David A. 2,891,823.  
 Garcia, Gelasio F., and Schemansky. 2,896,997.  
 Garvey, Louis P., and Schamel. 2,896,990.  
 Gaskill, George M., and Wright. 2,898,464.

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Gaubatz, Arthur W. 2,870,632.  
 Gaubatz, Arthur W. 2,871,829.  
 Gaubatz, Arthur W. 2,874,926.  
 Gaugler, Richard S. 2,887,346.  
 Gelsenius, Robert B., and Ressegule. 2,875,634.  
 Gentry, Donald P., and Shephard. 2,883,358.  
 Gerdan, Dimitrios, and McDowall. 2,875,579.  
 Geyer, Howard M. 2,869,385.  
 Geyer, Howard M. 2,874,579.  
 Geyer, Howard M. 2,897,786.  
 Geyer, Howard M. 2,898,888.  
 Geyer, Howard M. 2,918,786.  
 Geyer, Howard M. 2,918,799.  
 Geyer, Howard M. 2,918,903.  
 Geyer, Howard M., Bullock, and Light. 2,879,746.  
 Geyer, Howard M., and Light. 2,856,008.  
 Geyer, Howard M., and Light. 2,891,380.  
 Geyer, Howard M., and Light. 2,911,844.  
 Gibson, Charles G. 2,907,247.  
 Gibson, Frank M. 2,867,473.  
 Gibson, J. Lowell. 2,896,438.  
 Gill, Douglas, and Syring. 2,875,630.  
 Gilson, Joseph H. 2,916,327.  
 Godfrey, John W., Hayden, and Nieman. 2,914,012.  
 Gorman, Richard M., and Leach. 2,902,102.  
 Gorsky, Rudolph J. 2,905,016.  
 Gould, Richard E. 2,884,768.  
 Gould, Richard E. 2,911,798.  
 Grabowski, Leonard R. 2,876,990.  
 Grady, Francis H. 2,869,506.  
 Grady, Francis H. 2,896,470.  
 Greene, Joseph L., and Holzwarth. 2,894,850.  
 Grenell, Leland H. 2,903,763.  
 Griswold, Charles J., Jr. 2,912,288.  
 Groves, Ronald C. 2,869,527.  
 Groves, Ronald C. 2,891,531.  
 Groves, Ronald C. 2,895,461.  
 Groves, Ronald C. 2,899,948.  
 Groves, Ronald C. 2,902,989.  
 Gurney, David M., and Wagner. 2,875,637.  
 Guyton, James H. 2,890,274.  
 Guyton, James H. 2,891,197.  
 Guyton, James H. 2,895,095.  
 Guyton, James H. 2,903,636.  
 Guyton, James H., and Roka. 2,874,233.  
 Habsburg-Lothringen, Stefan, and Quinn. 2,912,675.  
 Hackett, William S. 2,899,726.  
 Haefner, Raymond J. 2,893,365.  
 Hagler, Charles R. 2,893,751.  
 Hancock, James L. 2,881,368.  
 Hancock, Richard H. 2,893,104.  
 Hanlink, Dean K. 2,881,750.  
 Hanlink, Dean K. 2,893,349.  
 Hanlink, Dean K., and Holzwarth. 2,903,785.  
 Hanysz, Eugene A. 2,885,887.  
 Hanysz, Eugene A. 2,912,553.  
 Hanysz, Eugene A., and Saur. 2,916,694.  
 Hanysz, Eugene A., and Schubring. 2,889,705.  
 Harding, William R., and McDowall. 2,870,633.  
 Hardy, Alex. 2,875,700.  
 Harned, John L., Knudsen, and Ward. 2,882,721.  
 Harnish, Kenneth A. 2,876,460.  
 Harris, Edward P. 2,910,915.  
 Harris, Edward P., and Wall. 2,884,668.  
 Harris, Edward P., and Wall. 2,884,957.  
 Harruff, Robert B. 2,904,763.  
 Harry, Gordon W. 2,873,686.  
 Harry, Gordon W. 2,912,254.  
 Hart, Peter M., and Hollerbach. 2,897,000.  
 Hartzell, Herman L., Redick, and Julian. 2,872,537.  
 Hastings, Homer R. 2,877,327.  
 Hastings, Homer R., and Haut. 2,883,623.  
 Hastings, Homer R., and Stevens. 2,899,517.  
 Hause, Gerald F. 2,885,458.  
 Hause, Gilbert K. 2,886,950.  
 Hause, Gilbert K. 2,890,769.  
 Hause, Gilbert K. 2,896,471.  
 Hause, Gilbert K. 2,908,190.  
 Heath, Thomas C. 2,869,051.  
 Hedeon, Carl E. 2,902,277.  
 Hefner, Bert H. 2,872,141.  
 Heldorn, John H. 2,913,168.  
 Helgeby, Ralph O. 2,909,365.  
 Henderson, George F. 2,875,841.  
 Hendrix, Sylvan G., Hirsch, and McDonald. 2,888,992.  
 Hendrix, Sylvan G., and Miller. 2,887,164.  
 Henson, Roy O. 2,898,285.  
 Herndon, Walter B. 2,875,699.  
 Herndon, Walter B. 2,876,656.  
 Herndon, Walter B., and Sand. 2,872,000.  
 Hershberger, Russell R., and Richey. 2,896,889.  
 Hetzler, Lewis R. 2,886,765.  
 Hickey, John L., and Wallace. 2,868,036.  
 Himka, John, and Walther. 2,895,764.  
 Hirsch, Richard A., Mansfield, and Nelson. 2,882,975.  
 Hitch, Paul E., and Walsh. 2,899,026.  
 Hoag, William G., and Liem. 2,893,781.  
 Hoffman, Carl S. 2,869,670.  
 Hogsten, Leslie G. 2,888,269.  
 Hollin, William F. 2,874,646.  
 Hollin, William F. 2,878,760.  
 Hollin, William F. 2,885,034.  
 Hollin, William F. 2,911,073.

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Holton, Charles D. 2,906,561.  
 Holzwarth, James C., and Thomson. 2,867,531.  
 Holzwarth, James C., and Thomson. 2,899,304.  
 Holzwarth, James C., and Thomson. 2,907,653.  
 House, Perry W., Shaw, and Gribben. 2,902,125.  
 Hsu, Ming C., and Stallard. 2,914,109.  
 Ingolia, Anthony J., and McLean. 2,876,037.  
 Jackson, Charles W. 2,913,290.  
 Jackson, George W. 2,887,324.  
 Jackson, George W. 2,888,273.  
 Jackson, George W. 2,893,504.  
 Jackson, George W. 2,895,743.  
 Jackson, George W. 2,895,744.  
 Jackson, George W., and Pribonic. 2,904,330.  
 Jackson, George W., and Pribonic. 2,918,304.  
 Jacobs, James W. Re. 24,627.  
 Jacobs, James W. 2,881,597.  
 Jacobs, James W. 2,888,808.  
 Jacobs, James W. 2,892,319.  
 Jacobs, James W. 2,899,253.  
 Jacobs, James W. 2,907,426.  
 Jacobs, James W. 2,919,340.  
 Jendrynski, Willard J. 2,876,116.  
 Jenkins, Richard L. 2,896,146.  
 Joachim, Joseph G., and White. 2,903,288.  
 Johnson, Kenneth G. 2,867,460.  
 Johnson, Langdon G. 2,887,331.  
 Johnson, Laurence L., and Liebenthal. 2,907,941.  
 Johnson, Ralph H. 2,916,333.  
 Johnson, Ralph S. 2,894,414.  
 Jones, George T. 2,912,072.  
 Juhlin, Arthur H., and Macan. 2,900,043.  
 Kalls, Edward R. 2,887,871.  
 Kaller, Joseph J. 2,909,211.  
 Karcher, Harry C. 2,880,573.  
 Karcher, Harry C., and Kreuser. 2,882,679.  
 Kaweck, Henry S. 2,905,287.  
 Kearney, William R. 2,896,188.  
 Kehm, Paul H., and Schultz. 2,912,595.  
 Kehrl, Howard H. 2,885,047.  
 Keighley, Lloyd M. 2,903,865.  
 Keim, Paul T., and Treseder. 2,869,687.  
 Keller, John H. 2,882,744.  
 Kelley, Curtis P. 2,899,256.  
 Kelley, Oliver K. 2,875,643.  
 Kelley, Oliver K. 2,882,684.  
 Kelley, Oliver K. 2,882,751.  
 Kelley, Oliver K. 2,884,313.  
 Kelley, Oliver K. 2,893,266.  
 Kelley, Oliver K. 2,898,740.  
 Kelley, Oliver K. 2,903,083.  
 Kelley, Oliver K. 2,906,518.  
 Kelley, Oliver K. 2,910,832.  
 Kelley, Oliver K. 2,911,786.  
 Kelley, Oliver K. 2,917,137.  
 Kelley, Oliver K., Hause, and Swindell. 2,911,785.  
 Kelley, Oliver K., Hause, and Wrigley. 2,882,645.  
 Kelley, Oliver K., Hause, and Wrigley. 2,895,644.  
 Kendall, Thomas L., and Rowls. 2,890,262.  
 Kesling, Keith K. 2,869,954.  
 Kesling, Keith K. 2,869,959.  
 Kesling, Keith K. 2,879,370.  
 Kesling, Keith K. 2,885,253.  
 Kesling, Keith K. 2,888,544.  
 Kesling, Keith K. 2,902,952.  
 Kesling, Keith K. 2,903,711.  
 Key, Don E., and Mahoney. 2,880,896.  
 King, William F. 2,872,519.  
 Kinsey, Claude J., and Varterasian. 2,898,764.  
 Kirk, Robert E. 2,911,610.  
 Kline, Paul C. 2,889,418.  
 Koch, Robert H. 2,913,859.  
 Kolbe, Adelbert E. 2,882,875.  
 Kolbe, Adelbert E. 2,907,309.  
 Kolbe, Adelbert E. 2,916,020.  
 Kolbe, Adelbert E., and Rohrbacher. 2,909,162.  
 Kolbe, William H. 2,911,203.  
 Kosbab, Kenneth A. 2,899,901.  
 Krautwurst, Homer V. 2,916,596.  
 Krautwurst, Homer V., and Dening. 2,883,510.  
 Kreis, Oscar C. 2,869,388.  
 La Belle, Donald J. 2,874,956.  
 La Belle, Donald J. 2,902,240.  
 La Flame, Frank E. 2,905,372.  
 Lamm, Lewis J. 2,894,175.  
 Lamont, Adam S. 2,895,575.  
 Lampman, George W., Leach, and Vivian. 2,873,962.  
 Larkin, Stephen A., and Ledwan. 2,890,069.  
 Lautzenhiser, Argyle G. 2,881,289.  
 Lautzenhiser, Argyle G. 2,907,979.  
 Lautzenhiser, Argyle G., and Falver. 2,901,241.  
 Laviana, Donald W. 2,882,370.  
 Laviana, Donald W. 2,910,551.  
 Lawless, Norman D., Roat, and Wheeler. 2,875,407.  
 Lawton, Leda M. 2,867,037.  
 Leach, Clayton B. Re. 24,650.  
 Leach, Clayton B. 2,902,014.  
 Leach, Clayton B. 2,902,021.  
 Leach, Clayton B. 2,907,411.  
 Leach, Clayton B., and Frank. 2,899,015.  
 Lee, Thomas H. 2,911,608.  
 Lelli, Joseph L., and Pollock. 2,897,003.  
 Leslie, James D. 2,877,043.



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Leslie, James D., Garvey, and West. 2,900,183.  
 Leslie, James D., and Rehugler. 2,913,066.  
 Leslie, James D., Schamel, and Van Voorhees. 2,881,019.  
 Leslie, James D., and Wubbe. 2,873,794.  
 Leslie, James D., and Wubbe. 2,887,866.  
 Lewis, Donald B. 2,918,138.  
 Lewis, Douglas T. 2,890,581.  
 Lillquist, Torsten O. 2,898,582.  
 Lillquist, Torsten O. 2,907,892.  
 Lincoln, Clavia W. 2,880,536.  
 Lincoln, Clavia W., Zeigler, and Smith. 2,897,684.  
 Little, John H. 2,912,573.  
 Lohr, Thomas E., and Sierant. 2,905,012.  
 Loisel, Paul J. 2,868,582.  
 Long, George B. 2,879,763.  
 Long, George B. 2,882,379.  
 Long, George B. 2,895,320.  
 Long, George B., and Brucken. 2,877,333.  
 Long, George B., and Brucken. 2,906,111.  
 Long, George B., and Clever. 2,894,105.  
 Loy, Fred W. 2,910,767.  
 Lunn, Clarence R. 2,873,957.  
 Lunn, Clarence R. 2,881,746.  
 Lunn, Clarence R. 2,890,871.  
 Lunn, Clarence R. 2,902,045.  
 MacKenzie, Robert P. 2,887,522.  
 Mackie, Harry A. 2,903,904.  
 Makela, Armas G., and McClelland. 2,910,716.  
 Manahan, Max J. 2,882,391.  
 Mann, Leonard J. 2,907,180.  
 Mann, Leonard J. 2,912,834.  
 Markesteln, John, and Nelson. 2,880,681.  
 Markesteln, John, and Patrie. 2,907,283.  
 Marvin, John T. 2,882,700.  
 Matkins, Eugene G. 2,872,618.  
 Matkins, Eugene G. 2,885,611.  
 Matkins, Eugene G., and Miller. 2,905,867.  
 Matkins, Eugene G., and Miller. 2,905,868.  
 Matkins, Eugene G., and Skinner. 2,890,386.  
 Mauck, Arthur R., and Zorad. 2,886,133.  
 May, Howard F. 2,873,633.  
 May, John J., and Ulrey. 2,890,657.  
 McClure, Robert. 2,895,345.  
 McClure, Robert. 2,915,780.  
 McCormick, Dale B. 2,891,822.  
 McCormick, Francis H. 2,870,313.  
 McCormick, Francis H. 2,879,653.  
 McDowall, Charles J., and Peterson. 2,893,495.  
 McDowall, Charles J., and Peterson. 2,893,525.  
 McDuffie, Archie D. 2,882,830.  
 McDuffie, Archie D. 2,891,529.  
 McDuffie, Archie D. 2,893,711.  
 McDuffie, Archie D. 2,894,459.  
 McKellar, Malcolm R. 2,914,038.  
 McKinney, Cecil A. 2,898,896.  
 McLean, Robert F., and Podolan. 2,890,908.  
 McMichael, John D. 2,869,679.  
 McMichael, John D. 2,886,130.  
 McMichael, John D. 2,896,742.  
 McMichael, John D. 2,904,129.  
 McMichael, John D. 2,905,268.  
 McMullen, Wesley W. 2,905,265.  
 McMullen, Wesley W. 2,911,693.  
 McMullen, Wesley W., and McMichael. 2,906,370.  
 Mead, Howard C., and Fugua. 2,913,958.  
 Mears, William T. 2,911,522.  
 Mekkes, Lee T. 2,871,839.  
 Menewisch, William T. 2,881,799.  
 Meyer, Barthold F. 2,876,653.  
 Meyer, Barthold F. 2,893,258.  
 Meyer, Barthold F. 2,899,832.  
 Meyer, Barthold F., and Ragsdale. 2,905,003.  
 Meyer, Barthold F., and Toruk. 2,916,566.  
 Meyer, Engelbert A. 2,875,493.  
 Meyer, Engelbert A. 2,903,939.  
 Meyer, Engelbert A. 2,906,159.  
 Mick, Stanley H. 2,918,047.  
 Miller, Charles W. 2,876,395.  
 Miller, Edwin J., and Kessling. 2,871,676.  
 Miller, Lester M. 2,897,665.  
 Moody, Floyd O., and Siebenthaler. 2,906,132.  
 Moore, Bobbie D., and Johnson. 2,917,907.  
 Moore, Francis R. 2,918,207.  
 Moore, Victor C. 2,884,809.  
 Morris, Donald E. 2,874,259.  
 Morrish, Leonard M. 2,888,001.  
 Morrish, Leonard M., and Muller. 2,881,852.  
 Morrish, Leonard M., and Muller. 2,899,007.  
 Mover, David F. 2,874,245.  
 Mrlk, Jerry R., and Winchell. 2,875,856.  
 Muchovic, Peter, and Schultz. 2,879,587.  
 Nedley, Alva L. 2,882,881.  
 Nelson, Corless B. 2,903,267.  
 Nelson, Corless B., and Smidl. 2,882,701.  
 Newill, William J. 2,898,036.  
 Nichols, Kermitt D. 2,902,838.  
 Nigh, Carl L. 2,881,033.  
 Norris, James C., Abel, and Brown. 2,913,543.  
 Norton, James A. 2,875,899.  
 O'Brien, Michael H., and Wellington. 2,894,502.  
 O'Connor, Neal E. 2,898,712.  
 Olley, Maurice. 2,911,052.  
 Olley, Maurice, Walther, and Wolfram. 2,883,232.

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Olson, Elmer. 2,873,732.  
 Olson, Elmer. 2,899,184.  
 Olson, Elmer. 2,916,271.  
 Olson, Elmer, Kehoe, and Dermond. 2,899,951.  
 Olson, Elmer, and Stoltman. 2,868,520.  
 Onksen, George W., Falge, and Mead. 2,909,724.  
 Onksen, George W., and Reynolds. 2,890,627.  
 O'Rourke, Donald J. 2,875,632.  
 Ortmann, Curtis D. 2,895,840.  
 Overman, Guy R. 2,892,359.  
 Owen, Robert E. 2,868,571.  
 Painter, Rex H. G. 2,882,749.  
 Panasevich, Anton Z. 2,868,579.  
 Peller, Henry A. 2,893,470.  
 Peller, Henry A. 2,894,562.  
 Perkins, Ralph W. 2,890,062.  
 Pesel, Henry F. 2,891,746.  
 Phelps, Charles W. 2,915,901.  
 Pierce, Earl R. 2,879,115.  
 Pierce, Earl R. 2,899,810.  
 Pierce, Earl R. 2,907,425.  
 Pierce, Earl W. 2,874,208.  
 Pierce, Earl W. 2,875,365.  
 Pietrowicz, Edwin J., and Williams. 2,917,875.  
 Pleska, Paul. 2,891,331.  
 Polhemus, Von D. 2,906,543.  
 Pollnak, Bernard L. 2,883,242.  
 Pollock, Samuel C. 2,893,782.  
 Potocnik, Rudolph. 2,873,998.  
 Prance, Stanley R. 2,911,323.  
 Prance, Stanley R., and Waag. 2,878,659.  
 Pratt, William B. 2,913,924.  
 Premo, Ellis J. 2,888,274.  
 Probst, Delbert C. 2,874,993.  
 Probst, Delbert C. 2,876,003.  
 Probst, Delbert C. 2,897,916.  
 Pula, Lawrence V., and Vincent. 2,916,401.  
 Purchar, William J., Jr. 2,897,020.  
 Putman, Nelson E. 2,894,771.  
 Rada, Frank J., and Bowman. 2,870,902.  
 Rademacher, Gustav F. 2,888,508.  
 Ragsdale, La Verne B. 2,908,934.  
 Ragsdale, La Verne B. 2,917,350.  
 Ragsdale, La Verne B., and Tanaka. 2,875,809.  
 Ralph, Herman S., Nellis, and Pearson. 2,886,213.  
 Rappaport, George, Szaruga, and Wall. 2,895,926.  
 Rasmussen, Carlton A. 2,894,443.  
 Rataiczak, Francis I. 2,912,230.  
 Raver, Louis J. 2,871,708.  
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 Gentile, Richard W., to General Electric Co. Inlet casing for axial flow compressor. 2,912,156, 11-10-59, Cl. 230-133.  
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 Gentry, Charles H. R.: See—  
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 Gentry, Curtis A., Jr. Combined log debarker and saw. 2,902,069, 9-1-59, Cl. 144-3.  
 Gentry, Donald P., and C. R. Shepherd, to General Motors Corp. Hard rubber compound containing a mixture of Portland cement and petroleum coke as a filler. 2,883,358, 4-21-59, Cl. 260-41.5.  
 Gentry, Ray L. Drafting machine. 2,908,977, 10-20-59, Cl. 33-79.  
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 Genuit, Luther L., to General Electric Co. Frequency tripler. 2,894,195, 7-7-59, Cl. 321-7.  
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 George, Lloyd E. Artificial fingers. 2,867,819, 1-13-59, Cl. 3-12.6.  
 George, Louis L., Jr. Broadband active type receiving antenna multicoupler. 2,875,437, 2-24-59, Cl. 343-205.  
 George, Nick, Jr.: See—  
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 George, Walter C. Box fabricating mandrel. 2,915,951, 12-8-59, Cl. 93-59.  
 George, William J. Fish hook and lure keepers. 2,913,850, 11-24-59, Cl. 43-57.5.  
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 Davidson, John T., Georgen, and Fortune. 2,870,399.  
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 Geraghty, Daniel. Marine buffer eye. 2,876,729, 3-10-59, Cl. 114-218.  
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 Georgia-Alabama Supply Co.: See—  
 Vickers, William R. 2,897,845.  
 Georgia-Kaolin Co.: See—  
 Lyons, Sanford C. 2,904,267.  
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 Lyons, Sanford C. 2,916,214.  
 Georgia-Pacific Plywood Co.: See—  
 Yetter, George K. 2,900,677.  
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 Georgeff, Stolan. Valves and manual actuators therefor. 2,892,612, 6-30-59, Cl. 251-289.  
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 Geppert, Donovan V., to Motorola, Inc. Transistor process and apparatus. 2,876,184, 3-3-59, Cl. 204-143.  
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 Winkler, Otto. 2,885,647.  
 Gerald, Curtis F.: See—  
 Berger, Charles V., and Gerald. 2,918,425.  
 Gerard, Deryck A.: See—  
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 Gerarde, Horace W. Disposable syringe. 2,907,326, 10-6-59, Cl. 128-216.  
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 Gerber, Frederick E., 10% to C. A. Keys. Ball bearing lubricator. 2,873,817, 2-17-59, Cl. 184-1.  
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- Gerber, Heinz J., to The Gerber Scientific Instrument Co. Computing instrument for use in the analysis of graphs and curves having initially unknown characteristics. 2,918,213, 12-22-59, Cl. 235-61.
- Gerber, Karol: See—  
Gal, Andrew, and Gerber. 2,909,155.
- Gerber, Kenneth G.: See—  
Adams, John F. B., Gerber, and Wilkes. 2,899,754.
- Gerber, Kenneth G., to Imperial Chemical Industries Ltd. Apparatus including tube flattening rollers for inflating tubular film. 2,916,764, 12-15-59, Cl. 18-1.
- Gerber Products Co.: See—  
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- Krupp, Robert F. 2,891,570.
- Krupp, Robert F., and Wagner. 2,897,947.
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- Stidger, Clifford W. 2,916,703.
- Gerber, Rudolph J., to R. K. A. J., and A. M. Bernstein. Portable lineoleum measuring and cutting device. 2,867,907, 1-13-59, Cl. 33-130.
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- Gerberich, Wilhelm: See—  
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- Gerbing Mfg. Corp.: See—  
Trandel, George L. 2,905,490.
- Gerceke, Erwin, to Maschinenfabrik Augsburg-Nürnberg A.G. Apparatus for damping pendulum motions of the load suspended from a lifting machine. 2,916,162, 12-8-59, Cl. 212-58.
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- Gerdemann, Elmer A., to The National Cash Register Co. Recording devices. 2,896,713, 7-28-59, Cl. 164-111.
- Gerdes, Carl V.: See—  
Van Asselt, Robert L., and Gerdes. 2,870,046.
- Gerdin, Henry J.: See—  
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- Gerdman, Pontus L., to Aktiebolaget Asbrink & Co. Cyclone apparatuses for separating solids from flowing air or other gases. 2,873,001, 2-10-59, Cl. 183-58.
- Gerecke, Jessie P., and J. R. Ems. Electric portable shoe polisher. 2,912,706, 11-17-59, Cl. 15-22.
- Gerecke, Max, G. Ryser, and P. Zeller. Phosphoranes and method for the preparation thereof. 2,912,467, 11-10-59, Cl. 260-606.5.
- Gerentes, Jean, to Constructions Electro-Mecaniques de Saint-Etienne (Ancienne Usine Wageor). Variable feed electric drilling machines. 2,905,440, 9-22-59, Cl. 255-47.
- Gerfen, Charles O.: See—  
Ruboff, John R., Martin, and Gerfen. 2,895,792.
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- Gergaud, Claude J.: See—  
Cauboue, Jean, and Gergaud. 2,901,169.
- Gergely, John V., to Wren Products Corp. Antenna booster. 2,911,643, 11-3-59, Cl. 343-711.
- Gergely, Joseph G. Shock absorber type support for mold-boards. 2,912,233, 11-10-59, Cl. 267-1.
- Gerhard, James R., II, to The Firestone Tire & Rubber Co. Suspension polymerization using sorbitol, methyl cellulose and gelatin. 2,875,187, 2-24-59, Cl. 260-92.8.
- Gerhard, James R., II, C. C. Deegan, and T. W. Fisher, Jr., to The Firestone Tire & Rubber Co. Process for polymerizing vinyl chloride in the presence of methyl cellulose gelatin and inert solvent. 2,875,186, 2-24-59, Cl. 260-92.8.
- Gerhard, Paul G.: See—  
Richtmyer, Lawson E., and Gerhard. 2,900,021.
- Gerhardt, Andrew H., to Borg-Warner Corp. Clothes washing machine. 2,884,947, 5-5-59, Cl. 137-216.
- Gerhardt, Andrew H., and R. D. Triplett, to Borg-Warner Corp. Latch mechanism for sequential controller. 2,878,686, 3-24-59, Cl. 74-424.8.
- Gerhardt, Andrew H., and C. R. Waldrop, to Borg-Warner Corp. Lint filter for a clothes washing machine. 2,916,900, 12-15-59, Cl. 68-18.
- Gernhardt, John W.: See—  
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- Gerhart, Howard L., to Pittsburgh Plate Glass Co. Catalyst compositions. 2,895,919, 7-21-59, Cl. 252-430.
- Gerhauser, John P., to Appleton Wire Works Corp. Seam for wire fabric and method of making same. 2,893,664, 7-7-59, Cl. 245-10.
- Gerhold, Clarence G., to Universal Oil Products Co. Separation of selected components from hydrocarbon mixtures. 2,871,275, 1-27-59, Cl. 260-676.
- Gerhold, Clarence G., and J. B. Pohlenz, to Universal Oil Products Co. Liquid-liquid contacting means. 2,909,414, 10-20-59, Cl. 23-270.5.
- Gerhold, Clarence G., and R. E. Sutherland, to Universal Oil Products Co. Extractive alkylation process. 2,910,522, 10-27-59, Cl. 260-683.48.
- Gerich, Paula M. B. Nursing garment. 2,911,650, 11-10-59, Cl. 2-74.
- Gerke, John R.: See—  
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- Gerlach, Eduard, G.m.b.H.: See—  
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- Gerlach, Hans: See—  
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- Gerlach, Richard: See—  
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- Gerlach, Stephen G. Bending machine wiper die supporting means. 2,906,316, 9-29-59, Cl. 153-40.
- Gerlikowski, Norbert J. Apparatus for drilling holes in ice. 2,893,695, 7-7-59, Cl. 255-70.
- Gerlinger Carrier Co.: See—  
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- Gerlitz, Richard M., to Philco Corp. Testing method and apparatus. 2,905,892, 9-22-59, Cl. 324-73.
- Germann, Lloyd M., to Burroughs Corp. Low drift magnetic amplifier. 2,884,493, 4-28-59, Cl. 179-171.
- Germann, John F., and E. F. Degering. Deleaching of gasoline by irradiation. 2,867,572, 1-6-59, Cl. 204-154.
- Germann, Charles T.: See—  
Callan, Joseph M., and Germann. 2,918,621.
- Germann, Werner, to Fabrique Suisse de Crayons Caran d'Ache S.A. Multi-color pencil. 2,883,966, 4-28-59, Cl. 120-14.5.
- Germanno, Angelo, to Solvay & Cie. Process for the manufacture of chlorofluorocyclohexanes. 2,905,609, 9-22-59, Cl. 204-163.
- Germanton, Charles E., to Bell Telephone Laboratories, Inc. Call allotter. 2,883,471, 4-21-59, Cl. 179-27.
- Germer, Edmund H., to Engelhard Industries, Inc. Electrical discharge lamp. 2,892,113, 6-23-59, Cl. 313-42.
- Germeshausen, Kenneth J. Gaseous-discharge device. 2,909,777, 10-20-59, Cl. 313-193.
- Gern, Ernst D., to Engelhard Industries, Inc. Conveyor device for photo-printing material in photo-printing machines. Ernst D. Gern. 2,895,395, 7-21-59, Cl. 95-77.5.
- Gernert, Lawrence H., and F. M. Raddin, to Monroe Calculating Machine Co. Multiple magnetic transducing head with mounting and adjustment means. 2,880,280, 3-31-59, Cl. 179-100.2.
- Gernert, William B., E. H. Philippe, III, and P. A. Ramadell, to E. I. du Pont de Nemours and Co. Blasting assembly. 2,909,121, 10-20-59, Cl. 102-27.
- Gerneth, Josef. Apparatus for the diagnosis of patients by means of X-rays. 2,881,038, 4-7-59, Cl. 311-6.
- Gerosa, Anthony. Waterproof covering for flat roofs and other flat surfaces. 2,891,492, 6-23-59, Cl. 108-6.
- Gerotor May Corp. of Maryland: See—  
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- Gerow, Gordon P., to Consolidated Electrodynamics Corp. Apparatus for evaporating metal. 2,909,149, 10-20-59, Cl. 118-49.1.
- Gerrans, William L. Tray loading apparatus. 2,873,771, 2-17-59, Cl. 141-131.
- Gerrard, A. J., & Co.: See—  
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- Koehler, Albert T., Palmleaf, and Ross. 2,881,915.
- Murphy, George T. 2,890,747.
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- Gerrard, Jack A., and R. C. Mattson, to Minnesota Mining and Mfg. Co. High strength heat-resistant neoprene-phenolic adhesive cement. 2,918,442, 12-22-59, Cl. 260-29.3.
- Gerrard, John M., to A. J. Gerrard & Co. Strapping tool. 2,882,934, 4-21-59, Cl. 140-93.2.
- Gerrish, Cecil B., to General Electric Co. Panel interior mounting means. 2,876,394, 3-3-59, Cl. 317-119.
- Gerry, Otto F., to General Electric Co. Thermostat cover seal. 2,886,205, 5-12-59, Cl. 220-94.
- Gershen, Irvin J.: See—  
Katzman, Lawrence, Block, and Gershen. 2,885,750.
- Gerst, Chris, to The Transmission & Gear Co. Hydraulically actuated multiple disc clutch. 2,880,834, 4-7-59, Cl. 192-85.
- Gerst, Chris, to The Transmission & Gear Co. Counterrotating transmission. 2,912,872, 11-17-59, Cl. 74-360.
- Gersten, Gerald B. Liquid containing tanks with reversible spouts. 2,904,232, 9-15-59, Cl. 222-539.
- Gerstenmaler, John H.: See—  
Beauchamp, Wilfred A., and Gerstenmaler. 2,907,080.
- Garrett, John E., and Gerstenmaler. 2,905,985.
- Gerster, Max, to Aluminium-Industrie-Aktien-Gesellschaft. Ingot casting machine. 2,893,081, 7-7-59, Cl. 22-61.
- Gerstin, Harry, to American Latex Products Corp. Helmet. 2,871,481, 2-3-59, Cl. 2-6.
- Gerstmann, William. Liquid separator. 2,867,231, 1-6-59, Cl. 137-202.
- Gerstner, Harvard J. Steering mechanism and control means for outboard motors. 2,871,717, 2-3-59, Cl. 74-484.
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- Gertels, Karl M.: See—  
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- Gertels, Karl M., to Carrier Corp. Coupling devices. 2,903,004, 9-8-59, Cl. 137-74.
- Gertels, Karl M., to Carrier Corp. Automatically reversible positive displacement internal gear rotary pump. 2,903,094, 9-22-59, Cl. 103-117.

- Gertels, Karl M., to Carrier Corp. Improved valve member. 2,907,348, 10-6-59, Cl. 137-622.
- Gertel, Maurice, to Barry Controls Inc. Resilient supporting device. 2,908,456, 10-13-59, Cl. 248-24.
- Gerth, Albert E., and G. F. Embahoff, to Institutum Divi Thomae Foundation. Magnetically operated enclosed switch. 2,885,510, 5-5-59, Cl. 200-87.
- Gertler, Ruth: See—  
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- Gertz, Donald: See—  
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- Gertzen, Richard J., to Union Oil Co. of California. Oil well process and apparatus. 2,874,780, 2-24-59, Cl. 166-105.
- Gerwick, Ben C., to Ben C. Gerwick, Inc. Pier construction method. 2,912,828, 11-17-59, Cl. 61-52.
- Gerwick, Ben C., Inc.: See—  
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- Gerwick, Ben C., Jr. 2,916,794.
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- Gerwig, Harvey F., to Weston Hydraulics, Ltd. Valve control linkage. 2,885,285, 5-26-59, Cl. 287-100.
- Gerwig, Harvey F., and R. M. Cox, to Weston Hydraulics, Ltd. Regulator. 2,888,027, 5-26-59, Cl. 137-116.5.
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- Gerwitz, Thomas: See—  
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- Geschickter Fund for Medical Research, Inc., The: See—  
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- Gesellschaft der Ludw. von Roll'schen Eisenwerke AG.: See—  
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- Bretscher, Otto. 2,873,560.
- Meier, Oskar. 2,902,147.
- Gesellschaft fuer Teerverwertung M.B.H.: See—  
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- Gesellschaft fuer Teerverwertung m.b.H., Duisburg-Melderich: See—  
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- Gesellschaft fuer Linde's Elismaschinen Akt.: See—  
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- Wucherer, Johannes, Linde, and Jakob. 2,895,304.
- Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule: See—  
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- Mast, Fred, Baumgartner, Held, and Baumann. 2,896,507.
- Gesellschaft, Robert A., to James R. Kearney Corp. Shock absorbers for electrical devices. 2,897,255, 7-28-59, Cl. 174-163.
- Gesellschaft, Robert A., to James R. Kearney Corp. Fuse cutouts. 2,901,573, 8-25-59, Cl. 200-114.
- Gesing, John H.: See—  
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- Gesser, Ross D. Portable chapel tent frame. 2,898,924, 8-11-59, Cl. 135-4.
- Gessler, Albert M., H. K. Wiese, and J. Rehner, Jr., to Esso Research and Engineering Co. Heat-treated compositions of butyl rubber and alkenylsiloxane-modified silica and process of preparation. 2,906,722, 9-29-59, Cl. 260-41.5.
- Gessler, Otto C. Vehicle closure hinge. 2,880,453, 4-7-59, Cl. 16-190.
- Gessler, Otto C. Automobile body compartment hinge. 2,894,278, 7-14-59, Cl. 16-190.
- Gessler, Otto C. Composite vehicle closure hinge bracket. 2,902,710, 9-8-59, Cl. 16-190.
- Gessner, Edward H.: See—  
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- Gessner, Eugene, to International Business Machines Corp. Core array using coaxially spaced conductors. 2,910,675, 10-27-59, Cl. 340-174.
- Gessner, William J. C. and E. H. Automatic ejection ash tray. 2,872,067, 2-3-59, Cl. 220-65.
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Gates, Albert G. R. 2,869,458.
- Maynard, Michael. 2,891,700.
- Tomlin, Edward A. 2,878,750.
- Getaz, James L., 75% to United States Trust Co. of New York. Hosiery package. 2,904,171, 9-15-59, Cl. 206-46.
- Getman Brothers Mfg. Division, Inc.: See—  
Ferry, Leonard E. 2,911,289.
- Getreidelocken A. G.: See—  
Fischer, Walter. 2,868,435.
- Getsinger, John G., and R. L. Haunschild; said Getsinger assor. to Tennessee Valley Authority. Manufacture of fertilizer from wet-process phosphoric acid and ammonia. 2,891,856, 6-23-59, Cl. 71-41.
- Gettelman, Gilbert C., to Arvin Industries, Inc. Ironing tables. 2,912,775, 11-17-59, Cl. 38-121.
- Gettig, Joseph H., to Sutton Engineering Co. Roller leveller covered by endless resilient belt. 2,895,532, 7-21-59, Cl. 153-104.
- Gettig, William A. Electrical connector. 2,877,442, 3-10-59, Cl. 339-258.
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 Gilbert, Alfred R., and S. W. Kantor, to General Electric Co. Acetoxymethylheptamethylcyclotetrasiloxane and oils prepared therefrom. 2,891,980, 6-23-59, Cl. 260-448.2.  
 Gilbert, Alfred R., and G. D. Cooper, to General Electric Co. Methylidihalogenosilane preparation. 2,902,506, 9-1-59, Cl. 260-448.2.  
 Gilbert & Barker Mfg. Co.: See—  
 Tapp, Harry F. 2,901,567.  
 Gilbert & Barker Mfg. Co. (Australia) Pty. Ltd.: See—  
 Gordon, John M. 2,869,584.  
 Gilbert, Bernard L., J. L. Kalinsky, and W. F. Lauro, to United States of America, Navy. Radiolotope tracer method. 2,915,639, 12-1-59, Cl. 250-106.  
 Gilbert, Bruce, to The Western Co. Jet gun. 2,916,991, 12-15-59, Cl. 102-20.  
 Gilbert, Charles E., deceased; E. J. Fluss, M. D. Gilbert, and N. Coates, executors. Electric connector plug construction. 2,888,659, 5-26-59, Cl. 339-99.  
 Gilbert, Everett A., to Radio Frequency Laboratories. Adapter for magnet charger. 2,888,661, 5-26-59, Cl. 339-147.  
 Gilbert, Everett E.: See—  
 Crowder, John A., and Gilbert. 2,895,998.  
 Degking, Edward R., and Gilbert. 2,899,355.  
 Gilbert, Everett E., to Allied Chemical Corp. Insecticidal compositions containing dodecachlorotetrahydro-4,7-methanol-dene and method for combating noxious organisms therewith. Re. 24,750, 12-15-59, Cl. 167-30.  
 Gilbert, Everett E., to Allied Chemical Corp. Dialkyl 1,3-di(carbalkoxy)-1-propen-2-yl phosphate pesticides. 2,891,867, 6-23-59, Cl. 167-22.  
 Gilbert, Everett E., to Allied Chemical Corp. Thiophosphate ester fungicides. 2,911,335, 11-3-59, Cl. 167-22.  
 Gilbert, Everett E., and S. L. Giolito, to Allied Chemical Corp. Ketonic C<sub>8</sub>H<sub>16</sub>O pesticide and method for combating noxious organism therewith. Re. 24,749, 12-15-59, Cl. 167-30.  
 Gilbert, Everett E., and B. Veldhuis, to Allied Chemical Corp. Production of oil-soluble sulfonates. 2,872,437, 2-3-59, Cl. 260-79.3.  
 Gilbert, Everett E., and C. B. Miller, to Allied Chemical Corp. Method of indicating acidity and alkalinity. 2,880,070, 3-31-59, Cl. 23-230.



- Gilbert, Geoffrey, and W. L. Prendergast, to Chavannes Industrial Synthetics, Inc. Apparatus and method for producing embossed thermoplastic film and the like. 2,905,969, 9-29-59, Cl. 18-19.
- Gilbert, George R.: See—
- Kearby, Kenneth K., and Gilbert. 2,893,837.
- Gilbert, George R., to Esso Research and Engineering Co. Preparation of eta alumina utilizing chlorine and ammonia. 2,914,488, 11-24-59, Cl. 252-466.
- Gilbert, George R., to Esso Research and Engineering Co. Cracking process with a zeolite catalyst. 2,916,437, 12-8-59, Cl. 208-120.
- Gilbert, George R., to Esso Research and Engineering Co. Production of catalyst supports. 2,917,365, 12-15-59, Cl. 23-143.
- Gilbert, George R., and I. Kirshenbaum, to Esso Research and Engineering Co. Hydroforming process and catalysts. 2,894,901, 7-14-59, Cl. 208-136.
- Gilbert, Gordon W., to Bomac Laboratories Inc. Double level threshold detector. 2,883,615, 4-21-59, Cl. 324-26.
- Gilbert, Harry A. Combination pouring and sifting spout for containers. 2,904,226, 9-15-59, Cl. 222-189.
- Gilbert, Jack, to General Slicing Machine Co., Inc. Slicing machines. 2,916,067, 12-8-59, Cl. 146-102.
- Gilbert, Jack H. Baggage tag with trap studs. 2,882,627, 4-21-59, Cl. 40-21.
- Gilbert, Joseph A., R. F. Johnson, and A. G. Rose, to Rose Brothers (Gainsborough Ltd.). Method of manufacturing wrapped packages of edible plastic material. 2,875,069, 2-24-59, Cl. 99-171.
- Gilbert, Leon, to Continental Connector Corp. Multiple electrical connector. 2,875,425, 2-24-59, Cl. 339-176.
- Gilbert, Leon, to Continental Connector Corp. Combined connector and relay. 2,908,775, 10-13-59, Cl. 200-2.
- Gilbert, Lewis F., to Ethyl Corp. Gasoline fuels. 2,897,071, 7-28-59, Cl. 44-69.
- Gilbert, Lloyd. Cucumber harvesting machine. 2,893,193, 7-7-59, Cl. 56-327.
- Gilbert Mfg. Co., Inc.: See—
- Peterson, John W. 2,884,555.
- Gilbert, Margaret D.: See—
- Gilbert, Charles E. 2,888,659.
- Gilbert & Nash Co.: See—
- Wendshuh, Herbert L., and Lamon. 2,877,013.
- Gilbert, Nathan: See—
- Fredrick, William H. 2,905,335.
- Gilbert, Philo G. Wheel with short spokes. 2,916,329, 12-8-59, Cl. 301-55.
- Gilbert, R. Lee: See—
- Sines, William V. 2,917,325.
- Gilbert, Richard H., to Jas. P. Marsh Corp. Valve. 2,905,431, 9-22-59, Cl. 251-61.
- Gilbert, Ronald A., to D. Napier & Son Ltd. Apparatus for de-aeration of liquids. 2,878,889, 3-24-59, Cl. 183-25.
- Gilbert, Roswell W., to Daystrom Inc. Micro-balance. 2,874,951, 2-24-59, Cl. 265-70.
- Gilbert, Roswell W., to Daystrom, Inc. Voltage distortion measuring instrument. 2,875,403, 2-24-59, Cl. 324-77.
- Gilbert, Roswell W., to Daystrom, Inc. Electro-mechanical resolver. 2,886,751, 5-12-59, Cl. 318-28.
- Gilbert, Roswell W., and J. H. Miller, to Daystrom, Inc. Current measuring system. 2,896,166, 7-21-59, Cl. 324-140.
- Gilbert, Samuel: See—
- Schindel, Arnold, and Gilbert. 2,908,170.
- Gilbert, Thomas M., to Cutler-Hammer, Inc. Gas distribution means. 2,873,180, 2-10-59, Cl. 48-191.
- Gilbert, Walter E.: See—
- Kast, George, Gilbert, and Scott. 2,885,617.
- Gilbert, Walter E., to Syntrol Co. Vibratory feeder. 2,918,590, 12-22-59, Cl. 310-29.
- Gilbert, Walter W.: See—
- Arnold, Herrick R., Fawcett, and Gilbert. 2,900,235.
- Gilbert, William I.: See—
- Montgomery, Charles W., Gilbert, and McNulty. 2,886,590.
- Gilbert, William I., R. G. Hay, and J. G. McNulty, to Gulf Research & Development Co. Recovery of phenolic substances. 2,872,486, 2-3-59, Cl. 260-609.
- Gilbert, William I., and A. C. Whitaker, to Gulf Research & Development Co. Method of distilling alcohols. 2,889,375, 6-2-59, Cl. 260-643.
- Gilbert, William S.: See—
- Edmonds, Harvey A., Evanson, and Gilbert. 2,918,161.
- Edmonds, Harvey A., and Gilbert. 2,868,349.
- Gilbertson, Stanley F. Self-inflating mattress. 2,886,834, 5-19-59, Cl. 5-348.
- Gilbertville Woven Label Corp.: See—
- Gage, Edwin G. 2,879,633.
- Gilberty, Paul F. Ice cream layer cake machine. 2,881,714, 4-14-59, Cl. 107-1.
- Gilchrist, Daniel D. Mirror bracket. 2,884,218, 4-28-59, Cl. 248-291.
- Gilchrist, Edgar S.: See—
- Roper, Charles G., Gilchrist, and Lockery. 2,895,502.
- Roper, Charles G., Gilchrist, and Sable. 2,898,543.
- Gilchrist, Edgar S., to Manning, Maxwell & Moore, Inc. Transmitting potentiometer. 2,887,646, 5-19-59, Cl. 323-64.
- Gilchrist, Edgar S., and A. J. Sable, to Manning, Maxwell & Moore, Inc. Electromechanical balance unit. 2,913,672, 11-17-59, Cl. 331-65.
- Gilchrist, Raleigh: See—
- Clabaugh, Wilbur S., and Gilchrist. 2,915,364.
- Gildea, David J.: See—
- Beach, Laurence R., Jr., Radey, Gildea, and Strohmeier. 2,876,640.
- Gil de Gibaja Herrero, Leonidas. Liquid level control system. 2,884,001, 4-28-59, Cl. 137-392.
- Gile, William C., and M. E. Nelson. Camping and boat transporting trailer. 2,881,023, 4-7-59, Cl. 296-23.
- Giles, David E. Steam traps. 2,884,944, 5-5-59, Cl. 137-204.
- Giles, Jesse A., to R. J. Reynolds Tobacco Co. Tobacco. 2,905,575, 9-22-59, Cl. 131-17.
- Giles, Ralph R.: See—
- Straley, James M., and Giles. 2,868,775.
- Giles, Walter D. Structural box for farming. 2,910,128, 10-27-59, Cl. 172-34.
- Giles, William H.: See—
- Frank, Anton R., and Giles. 2,911,774.
- Frank, Anton R., and Giles. 2,915,867.
- Gillallan Bros., Inc.: See—
- Crane, George B. 2,916,735.
- Frank, Dallas V. 2,871,469.
- Green, David J. 2,905,384.
- Hayes, Harry T., and Crane. 2,918,665.
- Johnson, Thomas J. 2,880,935.
- Johnson, Thomas J. 2,889,635.
- Michels, Lawrence. 2,887,681.
- Nesler, John J., and Hull. 2,914,704.
- Ule, Louis A. 2,892,939.
- Ule, Louis A. 2,892,945.
- Van Alstyne, Alvin G. 2,881,356.
- Van Alstyne, Alvin G. 2,916,736.
- Van Alstyne, Alvin G., and Johnson. 2,889,636.
- Gillallan, Edward S.: See—
- Glennon, James B., Root, Park, and Gillallan. 2,892,403.
- Gillallan, Henry W., to Chrysler Corp. Power transmission. 2,885,578, 5-5-59, Cl. 310-96.
- Gilliland, Melvin E., and R. C. Givens, to Texaco Inc. Pneumatic tool lubricant. 2,918,429, 12-22-59, Cl. 252-33.4.
- Gilliland, Melvin E., R. C. Givens, and H. D. Massin, to Texaco Inc. Pneumatic tool lubricant. 2,918,430, 12-22-59, Cl. 252-33.4.
- Gilkey, John E., to Bendix-Westinghouse Automotive Air Brake Co. Motion translating device. 2,913,911, 11-24-59, Cl. 74-60.
- Gilkey, John W., to Dow Corning Corp. Stable organosiloxane-titanate composition containing nitro compound. 2,868,750, 1-13-59, Cl. 260-29.1.
- Gilkey, John W., to Dow Corning Corp. Organosilicon compositions containing beta-dicarbonyl zirconium compounds and leather article treated therewith. 2,884,393, 4-28-59, Cl. 260-29.1.
- Gilkey, John W., to Dow Corning Corp. Organosilicon-chromium coordination complexes. 2,894,967, 7-14-59, Cl. 260-438.
- Gilkey, Russell: See—
- Caldwell, John R., and Gilkey. 2,882,255.
- Caldwell, John R., and Gilkey. 2,891,929.
- Caldwell, John R., and Gilkey. 2,891,930.
- Caldwell, John R., and Gilkey. 2,916,475.
- Caldwell, John R., and Gilkey. 2,916,476.
- Caldwell, John R., Gilkey, and Dannelly. 2,893,970.
- Gill, Andrew S., Jr., to Eaton Mfg. Co. Throttle advance control. 2,870,648, 1-27-59, Cl. 74-472.
- Gill, Andrew S., Jr., to Eaton Mfg. Co. Magnetic clutch. 2,870,888, 1-27-59, Cl. 192-215.
- Gill, Andrew S., Jr., Eaton Mfg. Co. Automatic transmission and control. 2,913,918, 11-24-59, Cl. 74-330.
- Gill, Donald W., to The Frank F. Taylor Co. Tray construction and latching means therefor. 2,875,815, 3-3-59, Cl. 155-127.
- Gill, Donald W., to The Frank F. Taylor Co. Collapsible stroller. 2,917,316, 12-15-59, Cl. 280-41.
- Gill, Douglas, and J. V. Syring, to General Motors Corp. Mechanical movement device. 2,875,630, 3-3-59, Cl. 74-424.8.
- Gill, Earle F.: See—
- Frohbach, Harold O., Gill, Marran, and Romano. 2,918,189.
- Gill, Edwin R., Jr. Coated manifolding sheets and method of making them. 2,870,040, 1-20-59, Cl. 117-36.
- Gill, Edwin R., Jr. Amfector system. 2,906,894, 9-29-59, Cl. 250-213.
- Gill Electric Mfg. Corp.: See—
- Gill, Walter L. 2,894,522.
- Gill, Walter L. 2,894,523.
- Gill, Walter L. 2,894,524.
- Gill, John B. Pipe machining tool. 2,916,955, 12-15-59, Cl. 82-4.
- Gill, John B. Pipe coupling. 2,919,146, 12-29-59, Cl. 285-33.
- Gill, John E., and E. W. Fletcher, to Balfour, Beatty & Co., Ltd., and Andre Rubber Co. Ltd. Spacing devices for overhead wires. 2,915,580, 12-1-59, Cl. 174-43.
- Gill, Joseph, and M. Sackin, to Hagan Chemicals & Controls, Inc. Direct current amplifier. 2,873,320, 2-10-59, Cl. 170-171.

- Gill, Le Roy. Adjustable outlet box. 2,886,630, 5-12-59, Cl. 174-57.
- Gill, Ray H.: See—
- Black, Paul F., Gill, and Le Blanc. 2,916,816.
- Gill, Richard H., H. H. Radke, and C. H. Kothelmer, to The B. F. Goodrich Co. Method of removing lactonitrile from aqueous mixtures. 2,868,828, 1-13-59, Cl. 260-465.6.
- Gill, Robert F., Jr.: See—
- Dobbs, David L., Gill, and Howes. 2,883,288.
- Dobbs, David L., Gill, and Howes. 2,892,798.
- Gill, Theodore: See—
- Taich, Albert, and Gill. 2,902,856.
- Gill, Thomas R.: See—
- Singleton, Albert, and Gill. 2,886,505.
- Gill, Walter L., to Gill Electric Mfg. Corp. Vent caps for airplane batteries. 2,894,522, 7-14-59, Cl. 137-43.
- Gill, Walter L., to Gill Electric Mfg. Corp. Automatic vent cap for aircraft storage batteries. 2,894,523, 7-14-59, Cl. 137-43.
- Gill, Walter L., to Gill Electric Mfg. Corp. Safety vent caps. 2,894,524, 7-14-59, Cl. 137-43.
- Gill, William E. Revolving multiple burette support titration unit. 2,904,408, 9-15-59, Cl. 23-259.
- Gillberg, Johannes. Reinforcing bars having depressed portions for use in concrete construction. 2,870,626, 1-27-59, Cl. 72-111.
- Gille, Willis H., to Minneapolis-Honeywell Regulator Co. Electronic integrators. 2,890,334, 6-9-59, Cl. 250-27.
- Gille, Willis H., to Minneapolis-Honeywell Regulator Co. Navigation system. 2,896,204, 7-21-59, Cl. 343-16.
- Gilleard, George, to Curtiss Lighting, Inc. Louver-diffuser. 2,913,576, 11-17-59, Cl. 240-78.
- Gillen, Daniel A., to Admiral Corp. Electrical delay line. 2,916,711, 12-8-59, Cl. 333-31.
- Gillen, William H.: See—
- Rowlands, Daniel C., and Gillen. 2,882,287.
- Giller, Robert H. Medical headlight. 2,884,513, 4-28-59, Cl. 240-41.15.
- Gillespie, Daniel C., to Borg-Warner Corp. Clip. 2,873,082, 2-10-59, Cl. 248-300.
- Gillespie, Russell A., 33 1/4% to C. F. Spickelmier, 33 1/4% to E. S. Greer, and 33 1/4% to B. S. Spickelmier. Metal window structure. 2,889,588, 6-9-59, Cl. 20-52.
- Gillespie, Russell A., to Engineering Metal Products Corp. Rotating window weather seal. 2,892,220, 6-30-59, Cl. 20-53.
- Gillespie, Russell A., 1/4 to C. F. Spickelmier, 1/4 to E. S. Greer, and 1/4 to B. S. Spickelmier. Window. 2,896,248, 7-28-59, Cl. 16-196.
- Gillespie, Russell A., 33 1/4% each to C. F. Spickelmier, E. S. Greer, and B. S. Spickelmier. Metal window. 2,898,646, 8-11-59, Cl. 20-52.2.
- Gillespie, Russell A., to Engineering Metal Products Corp. Rockable window sash retaining means. 2,902,729, 9-8-59, Cl. 20-53.
- Gillespie, Sidney L., to Woodward Governor Co. Control for controllable pitch marine propellers. 2,878,880, 3-24-59, Cl. 170-135.74.
- Gillespie, William, to Mavor & Coulson Ltd. Coal-cutters having cutter chains driven in tension. 2,898,098, 8-4-59, Cl. 262-30.
- Gillette Co., The: See—
- Beauregard, Lawrence G. 2,906,273.
- Beauregard, Lawrence G. 2,906,275.
- Benedict, Michael D., Jr., and Barattelli. 2,874,462.
- Colgate, William H., Jr. 2,913,106.
- Forsberg, Frank. 2,898,254.
- Lerner, Louis L. 2,878,818.
- Lerner, Louis L., and Saffanoff. 2,880,914.
- Nissen, Warren L. 2,900,721.
- Schwartz, Anthony M. 2,891,912.
- Sinclair, Robert L. 2,888,223.
- Testi, Nicholas. 2,899,105.
- Gillette, Frank N.: See—
- Tull, William J., and Gillette. 2,869,118.
- Gillette, Frank N., and M. Altman, to General Precision Laboratory, Inc. Exposure control system. 2,904,694, 9-15-59, Cl. 250-205.
- Gillette, John F. Power weeding machine for row crops. 2,876,851, 3-10-59, Cl. 172-57.
- Gillette, Sidney G., to Los Angeles By-Products Co. Method and apparatus for salvaging metal articles. 2,913,113, 11-17-59, Cl. 209-223.
- Gilliam, George E., to Minneapolis-Honeywell Regulator Co. Program controlling and transmitting apparatus. 2,903,679, 9-8-59, Cl. 340-187.
- Gillies, Duncan M., to Duncan M. Gillies Co., Inc. Engraving apparatus. 2,898,849, 8-11-59, Cl. 101-37.
- Gillies, Duncan M., and C. F. Spencer, to Duncan M. Gillies Co., Inc. Printing apparatus for longitudinally extended cylindrical bodies. 2,898,848, 8-11-59, Cl. 101-36.
- Gillies, Duncan M., Co., Inc.: See—
- Gillies, Duncan M. 2,898,849.
- Gillies, Duncan M., and Spencer. 2,898,848.
- Gillin, James, to Merck & Co., Inc. Process for preparing crystalline antibiotic. 2,908,680, 10-13-59, Cl. 260-210.
- Gillis, Malcolm C.: See—
- Francy, William R., and Gillis. 2,896,547.
- Gillis, Marvin B., to International Minerals & Chemical Corp. Ruminant feed. Re. 24,707, 9-29-59, Cl. 99-2.
- Gillis, Randall: See—
- Bryan, Chester L., and Gillis. 2,882,676.
- Gilliss, Randall G., to American Steel Foundries. Hydraulic forcing device. 2,876,532, 3-10-59, Cl. 29-252.
- Gillitzer, Max: See—
- Tajbl, Franz, and Gillitzer. 2,880,376.
- Gillooly, Charles J., Sr. Apparatus for feeding material to water systems. 2,909,187, 10-20-59, Cl. 137-209.
- Gillson, Joseph L., Jr., to E. I. du Pont de Nemours and Co. Photodiode device and process. 2,870,338, 1-20-59, Cl. 250-83.3.
- Gillum, Donald E., to U.S. Industries, Inc. Anti-friction screw means. 2,891,414, 6-23-59, Cl. 74-459.
- Gillum, Donald E., to U.S. Industries, Inc. Ball bearing, screw jack, pumping mechanism. 2,913,910, 11-24-59, Cl. 74-57.
- Gilman, Ernest I., and M. R. Perla. Clamp device for electrical extension cords. 2,903,669, 9-8-59, Cl. 339-77.
- Gilman, Howard W., and C. G. Devin: said Devin assor. to said Gilman. Marquee construction. 2,908,053, 10-13-59, Cl. 20-57.5.
- Gilman, Marvin A., to Clay-Adams, Inc. Proportion measuring device. 2,900,730, 8-25-59, Cl. 33-125.
- Gilman, Paul B., Jr.: See—
- Van der Meulen, Peter A., and Gilman. 2,874,047.
- Gilman, Robert J., to Radio Frequency Laboratories, Inc. Frequency shift discriminator. 2,888,558, 5-26-59, Cl. 250-27.
- Gilman, Samuel: See—
- Broekhuysen, William C., Gilman, and Petrucelly. 2,878,997.
- Gilmer, Margaret L.: See—
- Bagnall, Edwin. 2,893,723.
- Gilmont, Ernest R., to Food Machinery and Chemical Corp. Crosslinking of polyethylene with novel peroxides. 2,916,481, 12-8-59, Cl. 260-94.9.
- Gilmont, Roger. Analytical electroplating cell. 2,913,375, 11-17-59, Cl. 204-1.
- Gilmore, Chace D. Die attachments for doughnut making machines. 2,882,839, 4-21-59, Cl. 107-14.
- Gilmore, Chace D. Die attachments for doughnut-making machines. 2,915,992, 12-8-59, Cl. 107-14.
- Gilmore, Dale T. Pistol grip electric prod. 2,892,585, 6-30-59, Cl. 231-2.
- Gilmore, Forest F.: See—
- Brooke, Jesse M., and Gilmore. 2,917,452.
- Gilmore, Forrest E.: See—
- Lee, Henry H., Berger, and Gilmore. 2,905,627.
- Gilmore, Forrest E., to Phillips Petroleum Co. Recovery of hydrocarbons from gases. 2,868,326, 1-13-59, Cl. 183-115.
- Gilmore, Forrest E., to Phillips Petroleum Co. Apparatus and method for flash evaporating oils. 2,868,714, 1-13-59, Cl. 208-48.
- Gilmore, Forrest E., to Phillips Petroleum Co. Solvent extraction method and apparatus. 2,868,723, 1-13-59, Cl. 208-320.
- Gilmore, Forrest E., to Phillips Petroleum Co. Cracking process. 2,870,057, 1-20-59, Cl. 208-166.
- Gilmore, Forrest E., to Phillips Petroleum Co. Volatile liquid storage tanks operation and system. 2,885,109, 5-5-59, Cl. 220-85.
- Gilmore, Forrest E., to Phillips Petroleum Co. Fractionation. 2,900,312, 8-18-59, Cl. 202-160.
- Gilmore, Forrest E., to Phillips Petroleum Co. Catalytic cracking process. 2,900,326, 8-18-59, Cl. 208-101.
- Gilmore, George W. Portable logging spar apparatus. 2,880,827, 4-7-59, Cl. 189-11.
- Gilmore, Gerald D., and J. Decker, to Bopp-Decker Plastics, Inc. Injection molding machine and control mechanism therefor. 2,912,719, 11-17-59, Cl. 18-30.
- Gilmore, John F., to Westinghouse Electric Corp. Fluorescent lamp. 2,901,653, 8-25-59, Cl. 313-109.
- Gilmore, Loren D., and M. G. Mardolan, to International Harvester Co. Starting apparatus for internal combustion engines. 2,912,967, 11-17-59, Cl. 123-179.
- Gilmore, Vincent J., to International Business Machines Corp. Line indicator. 2,897,945, 8-4-59, Cl. 197-189.
- Gilmore, Walter T., Jr. Antenna guy wire anchor. 2,901,198, 8-25-59, Cl. 248-48.2.
- Gilmour, Austin. Child training nursery toilet device. 2,896,567, 7-28-59, Cl. 116-67.
- Gilovich, Paul A., to International Business Machines Corp. Positioning device. 2,873,725, 2-17-59, Cl. 121-86.
- Gilpatrick Construction Co.: See—
- Gilpatrick, Mark J. 2,901,288.
- Gilpatrick, Mark J., to Gilpatrick Construction Co. Hopper truck. 2,901,288, 8-25-59, Cl. 298-30.
- Gilruth, Robert R.: See—
- Carl, William P., and Gilruth. 2,909,139.
- Carl, William P., and Gilruth. 2,914,014.
- Gisl, Adolf, to Otto Suhner Akt. Gardening tool. 2,883,746, 4-28-59, Cl. 30-205.
- Gilson, Joseph H.: See—
- Champion, Richard H., and Gilson. 2,917,124.
- Gilson, Joseph H., to General Motors Corp. Power operated convertible top header latch. 2,916,327, 12-8-59, Cl. 296-120.
- Gilson, Paul R., to Burroughs Corp. Magnetic recording and reading systems. 2,916,728, 12-8-59, Cl. 340-174.
- Gimpel, Donald J., to H. S. Nichols. Method and apparatus for presenting three-dimensional representation of voltages. 2,877,457, 3-10-59, Cl. 340-324.



- Gimpel, Donald J., and W. A. Davidson, to Armour Research Foundation of Illinois Institute of Technology. Servo-mechanism control system. 2,877,398, 3-10-59, Cl. 318-28.
- Gimpel, Donald J., and W. A. Davidson, to United States of America, Navy. Digital converter. 2,918,574, 12-22-59, Cl. 250-27.
- Gimson, Alvin E., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,879,781, 3-31-59, Cl. 137-85.
- Gimson, Alvin E., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 2,906,837, 9-29-59, Cl. 200-90.
- Ginaven, Marvin E.: See—
- Shouvin, Joseph C., and Ginaven. 2,893,909.
- Gindes, Philip, and J. S. Linn, to Genisco, Inc. Accelerometer. 2,870,422, 1-20-59, Cl. 336-30.
- Gindoff, Sol: See—
- McCollum, Louis S., and Gindoff. 2,902,379.
- Gindre, Andre M., to Pallard S.A. Stand for cameras and the like. 2,890,902, 6-16-59, Cl. 287-54.
- Gines, Ronald B., and H. J. Twitchett, to Imperial Chemical Industries Ltd. New pigments. 2,888,416, 5-26-59, Cl. 260-16.
- Gineta, Lucino. Games of skill. 2,914,327, 11-24-59, Cl. 273-126.
- Ginger, Leonard G.: See—
- Anthony, Paul Z., and Ginger. 2,889,364.
- Ginger, Leonard G., and P. Z. Anthony, to Baxter Laboratories, Inc. Process for producing thyroxine. 2,889,363, 6-2-59, Cl. 260-519.
- Gingerich, Edna S.: See—
- Gingerich, Edward and E. S. 2,914,164.
- Gingerich, Edward and E. S. Auto utility tray. 2,914,164, 11-24-59, Cl. 206-19.5.
- Gingher, Carl E., and Carl E. Gingher, Jr., to Gingher Mfg. Co. Wardrobe rack. 2,875,904, 3-3-59, Cl. 211-148.
- Gingher, Carl E., and Carl E. Gingher, Jr., to Gingher Mfg. Co. Folding portable rack. 2,901,124, 8-25-59, Cl. 211-149.
- Gingher, Carl E., and Carl E. Gingher, Jr., to Gingher Mfg. Co. Wardrobe rack. 2,911,105, 11-3-59, Cl. 211-62.
- Gingher, Carl E., Jr.: See—
- Gingher, Carl E., and Carl E. Gingher, Jr. 2,875,904.
- Gingher, Carl E., and Carl E. Gingher, Jr. 2,901,124.
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- Gingher Mfg. Co.: See—
- Gingher, Carl E., and Carl E. Gingher, Jr. 2,875,904.
- Gingher, Carl E., and Carl E. Gingher, Jr. 2,901,124.
- Gingher, Carl E., and Carl E. Gingher, Jr. 2,911,105.
- Gingras, Marcel, to Dominion Corset Co. Ltd. Brassieres. 2,887,113, 5-19-59, Cl. 128-491.
- Gingras, Robert A.: See—
- Retzer, Theodore C., and Gingras. 2,876,377.
- Gingrich, Wilmer J., to Hamilton Watch Co. Epoxy resin cast balance wheel. 2,894,367, 7-14-59, Cl. 58-28.
- Ginn, Earl, to Continental Motors Corp. Planetary bevel gear reversing transmission. 2,912,885, 11-17-59, Cl. 74-750.
- Ginn, Earl, to Continental Motors Corp. Engine cooling system. 2,912,936, 11-17-59, Cl. 103-87.
- Ginsburg, Abraham. Hypodermic needle. 2,899,959, 8-18-59, Cl. 128-221.
- Ginsburg, Abraham. Hypodermic needle. 2,899,960, 8-18-59, Cl. 128-221.
- Ginsburg, Charles P., and S. F. Henderson, Jr., to Ampex Corp. Recording and reproducing system. 2,916,547, 12-8-59, Cl. 178-6.6.
- Ginsburg, Charles P., and R. M. Dolby, to Ampex Corp. Visual image recording and reproducing system and method. 2,916,564, 12-8-59, Cl. 178-6.6.
- Ginsburg, Victor. Apparatus for the collection of fractions. 2,884,021, 4-28-59, Cl. 141-35.
- Ginte, Philip G., to Lifttronic, Inc. Garage door actuating device. 2,882,044, 4-14-59, Cl. 268-59.
- Ginther, Roger E., to Tilt-A-Door Corp. Horizontally pivoted window. 2,881,483, 4-14-59, Cl. 20-53.
- Ginwright, Victor M., to Vanity Fair Mills, Inc. Thread severing structure for sewing machines. 2,918,887, 12-29-59, Cl. 112-252.
- Gintzow, Edward L., to The Board of Trustees of the Leland Stanford Jr. University. Linear accelerator. 2,899,598, 8-11-59, Cl. 315-3.6.
- Gioia, Guido: See—
- Weltbauer, Gustavo A., Gioia, and Caporali. 2,872,375.
- Gioia, Michael C.: See—
- Welskopf, Edwin C., and Gioia. 2,868,072.
- Giolito, Silvio L.: See—
- Gilbert, Everett E., and Giolito. Re. 24,749.
- Giordano, Andrew N. Television program indicator. 2,918,036, 12-22-59, Cl. 116-133.
- Giordano, Anthony, and W. J. Straka, to The Harshaw Chemical Co. Mildewicide and flameproofing composition and products produced therefrom. 2,881,097, 4-7-59, Cl. 117-137.
- Giordano, Francis L. Hair curlers. 2,906,274, 9-29-59, Cl. 132-34.
- Giori, Francis A., to United States of America, Navy. Commutator device and time interval selector. 2,892,106, 6-23-59, Cl. 307-132.
- Giovagnoli, Paul S. Baseball pitching machine. 2,877,757, 3-17-59, Cl. 124-7.
- Giovannelli, Raymond R. Portable carry-all cart. 2,905,480, 9-22-59, Cl. 280-34.
- Gips, Arthur A.: See—
- De Kelzer, Adrianus, van Kijk, and Gips. 2,870,229.
- Gipolis, Peter, 1/2 to E. Heuchert. Wick inserting instrument. 2,902,849, 9-8-59, Cl. 67-67.
- Gipstein, Edward: See—
- Clark, Benjamin F., Gipstein, Higgins, and Kippur. 2,918,498.
- Clark, Benjamin F., Gipstein, Higgins, and Kippur. 2,919,291.
- Giraltis, Albert P., to Ethyl Corp. Method of making metal halides. 2,868,621, 1-13-59, Cl. 23-87.
- Giraldi, Pier N., and W. Logemann, to Carlo Erba S.p.A. Process for the preparation of tertiary esters of benzoyl-carbinol. 2,892,865, 6-30-59, Cl. 260-488.
- Girard, Jean R. M.: See—
- Pourès, André G. F., Girard, and De Montard. 2,867,209.
- Girard, Joseph O. Tool maker's square. 2,881,526, 4-14-59, Cl. 33-112.
- Girard, Theodore A., and D. X. Klein, to Heyden Newport Chemical Corp. Trichlorobenzene compounds and their production. 2,899,465, 8-11-59, Cl. 260-523.
- Girardi, Antonio L. Fruit harvesting mechanism. 2,902,142, 9-1-59, Cl. 198-139.
- Girardot, Peter R., and R. R. Walters, to Callery Chemical Co. Production of complexes of boron trifluoride. 2,906,771, 9-29-59, Cl. 260-462.
- Giraud, Pierre: See—
- Boulet, Francois, Dufour, and Giraud. 2,890,361.
- Girault, Pierre: See—
- Allais, Andre, and Girault. 2,885,437.
- Giravions Dorand: See—
- Dorand, René. 2,911,151.
- Girten, Barney B. Swimming mask with snorkel means. 2,888,010, 5-26-59, Cl. 128-142.
- Girten, Barney B. Swimming face mask with periscope. 2,909,959, 10-27-59, Cl. 88-1.
- Girdwood, Arthur J., and E. W. Shifflett, to Leland Electric Canada Ltd. External rotor motor fan assembly. 2,895,666, 7-21-59, Cl. 230-117.
- Giri de Teramala, Piero M. Mechanically propelled or mechanically driven apparatus. 2,871,725, 2-3-59, Cl. 74-677.
- Girling, Douglas S.: See—
- Barnard, Roy M., Girling, and Judd. 2,903,780.
- Girling Ltd.: See—
- Davis, John W. 2,915,147.
- Davis, John W. 2,918,990.
- Girodet, Henri M. Attaching buckle for underwear. 2,901,801, 9-1-59, Cl. 24-200.
- Girouard, Phillas H.: See—
- Chadwick, George A., and Girouard. 2,881,664.
- Girouard, Phillas H., G. L. Schuyler, and M. H. Baller, to United States of America, Navy. Projectile launcher. 2,870,678, 1-27-59, Cl. 59-1.7.
- Giroud, Marcel, to Manufacture des Montres Doxa S.A. Regulator system for a timepiece. 2,896,399, 7-28-59, Cl. 58-113.
- Girton Mfg. Co., Inc.: See—
- Girton, Paul K., and Evans. 2,875,590.
- Girton, Paul K., and Evans. 2,875,591.
- Welliver, John. 2,912,096.
- Girton, Paul K., and D. L. Evans, to Girton Mfg. Co., Inc. Equipment and process for attempting, storing, and weighing. 2,875,590, 3-3-59, Cl. 62-98.
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- Giser, Samuel, to Research Corp. Electronic multiplier. 2,900,137, 8-18-59, Cl. 235-194.
- Gisholt Machine Co.: See—
- Eddison, William B. 2,903,156.
- Eddison, William B., and Erickson. 2,890,558.
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- Erickson, Warren E. 2,873,842.
- Fibikar, Robert J. 2,891,241.
- Hogan, John W. 2,891,115.
- Leifer, Lorenz A. 2,869,390.
- Leifer, Lorenz A. 2,882,760.
- Sundt, Vigo von K. 2,902,873.
- Sundt, Vigo von K. 2,902,874.
- Sundt, Vigo von K., and Steinbauer. 2,903,234.
- Trechsel, Hans W. 2,902,889.
- Giskes, Willem, to North American Phillips Co., Inc. Phonograph turntable. 2,915,907, 12-8-59, Cl. 74-216.
- Gislason, Wilbur W. Door stop. 2,898,140, 8-4-59, Cl. 292-342.
- Gislon, Andre, J. Quiquerez, and J. D. Maurin, to Compagnie Francaise de Raffinage Societe Anonyme. Process for the sweetening of petroleum products. 2,886,521, 5-12-59, Cl. 208-197.
- Gislon, Andre, and E. J. Welsang, to Compagnie Francaise de Raffinage. Process for the oxidation of mercaptans in the presence of alkali and sulfur dye. 2,897,140, 7-28-59, Cl. 208-204.
- Gislon, Andre, and R. L. Putters, to Compagnie Francaise de Raffinage. Purification processes for sulfurized products extracted from petroleum. 2,911,413, 11-3-59, Cl. 260-327.
- Glaser, David G., and L. P. Seifert, to Lehigh, Inc. Vending machine. 2,896,763, 7-28-59, Cl. 194-4.
- Gist, Fred M. Casing scratcher. 2,868,298, 1-13-59, Cl. 166-173.

- Gist, Fred M. Well bore scratcher. 2,868,299, 1-13-59, Cl. 166-173.
- Gist, Fred M. Cable clip. 2,875,489, 3-3-59, Cl. 24-115.
- Githens, Earl B., to Cabinet Top Industries. Corner construction and method of forming same. 2,867,864, 1-13-59, Cl. 20-92.
- Githens, John A., to Bell Telephone Laboratories, Inc. Data processing apparatus. 2,874,313, 2-17-59, Cl. 307-88.5.
- Gits Bros. Mfg. Co.: See—
- Jensen, Hans. 2,889,159.
- Wahl, Edward C. 2,881,015.
- Gits, Joseph A.: See—
- Gits, Jules P. 2,899,098.
- Gits, Jules P., 1/2 to J. A. Gits. Drinking vessels. 2,899,098, 8-11-59, Cl. 220-15.
- Gittinger, Ted, J. S. Roberts, and C. J. Ott. Bearing greaser assembly. 2,886,132, 5-12-59, Cl. 184-1.
- Gittler, Max: See—
- Lawson, Axel A., Hazel, Gary, and Gittler. 2,904,785.
- Gitto, Joseph J., to Sprague Electric Co. Plating process. 2,897,409, 7-28-59, Cl. 317-101.
- Gitzendanner, Louis G., to General Electric Co. Quality control sequential analyzer. 2,893,635, 7-7-59, Cl. 235-168.
- Gluffrida, Phillip, to Electronics Corp. of America. Mounting devices for electron tubes and associated circuit components. 2,877,438, 3-10-59, Cl. 339-125.
- Gluffrida, Phillip, to Electronics Corp. of America. Illumination control. 2,905,862, 9-22-59, Cl. 315-153.
- Giulianelli, Raoul M.: See—
- Harris, Herbert, Jr., Hammond, White, and Giulianelli. 2,873,074.
- Giuliano, Fred A. Coin control apparatus for dispensing and recovering reusable articles. 2,887,204, 5-19-59, Cl. 194-4.
- Giusti, Gino P.: See—
- Eads, David K., and Giusti. 2,872,294.
- Giusti, Gino P., and A. R. Johnson, to Texas Gulf Sulphur Co. Method of fluidization. 2,870,001, 1-20-59, Cl. 75-9.
- Givaudan Corp., The: See—
- Carpenter, Marion S., and Easter. 2,875,131.
- Carpenter, Marion S., Easter, and Wood. 2,897,237.
- Carpenter, Marion S., Easter, and Wood. 2,915,561.
- Flore, Alphonse T., Kitchens, and Saunders. 2,889,254.
- Wood, Thomas F. 2,918,412.
- Given Machinery Co.: See—
- Jordan, Hans. 2,879,949.
- Jordan, Hans. 2,912,176.
- Givens, Glenn G. Cable stuffing tubes. 2,913,260, 11-17-59, Cl. 285-158.
- Givens, Richard C.: See—
- Gilliland, Melvin E., and Givens. 2,918,429.
- Gilliland, Melvin E., Givens, and Massin. 2,918,430.
- Givens, Richard C., and H. J. Pitman, to The Texas Co. Method of grease manufacture with combined oil quench and recycle cooling. 2,876,198, 3-3-59, Cl. 252-41.
- Givens, Richard C., and H. J. Pitman, to Texaco Inc. Method for preparing lithium base greases involving quenching. 2,916,452, 12-8-59, Cl. 252-41.
- Glowsky, Harry L., to David White Co. Comparator for superimposing image of a grid on the image of an object. 2,911,879, 11-10-59, Cl. 88-14.
- Gjerde, Borgtor. Tooth cleaning device. 2,873,749, 2-17-59, Cl. 132-51.
- Glabb, William T., to Carado Inc. Methods of making a lignocellulose product and the product resulting therefrom. 2,872,330, 2-3-59, Cl. 106-163.
- Glabe, Elmer F., to Bred-Ade Corp. Baking compositions and methods. 2,875,064, 2-24-59, Cl. 99-91.
- Glaberson, Martin, to Eversharp, Inc. Counter display device. 2,914,192, 11-24-59, Cl. 211-178.
- Glacy, Frank J.: See—
- Stromberg, Henry K. 2,881,846.
- Gladd, Monroe J. Illuminated license plate. 2,875,539, 3-3-59, Cl. 40-133.
- Gladding, Edward K., and F. B. Stilmar, to E. I. du Pont de Nemours and Co. Process for curing liquid urethane polymers. 2,917,489, 12-15-59, Cl. 260-77.5.
- Gladding, McBean & Co.: See—
- Filsinger, Elmer J. 2,892,337.
- Stahmann, John A. 2,904,916.
- Gladrow, Elroy M.: See—
- Hunter, Edward A., and Gladrow. 2,873,257.
- Gladrow, Elroy M., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Preparation of attrition resistant alumina for use as a catalyst support in a hydrocarbon conversion process. 2,905,632, 9-22-59, Cl. 208-136.
- Gladsden, David and L. Adjustable support for post-mounted lamps. 2,915,270, 12-1-59, Cl. 248-177.
- Gladsden, Lester: See—
- Gladsden, David and L. 2,915,270.
- Gladstone, Martell M.: See—
- Epstein, Solomon, Fuchs and Gladstone. 2,874,126.
- Gladwell, Daniel, to The Selwyn Press Ltd. Machine for applying powders to printed sheets. 2,906,240, 9-29-59, Cl. 118-641.
- Glamann, Wilhelm. Devices for varying the power and drive of internal combustion engine vehicles. 2,880,571, 4-7-59, Cl. 60-13.
- Glamann, Wilhelm. Driving mechanism for an engine controlled braking system for automotive vehicles. 2,885,907, 5-12-59, Cl. 74-665.
- Glamann, Arthur C.: See—
- Niedrach, Leonard W., and Glamann. 2,902,415.
- Glandon, Adrian E., to Eastman Kodak Co. Lamp burnout detector. 2,896,121, 7-21-59, Cl. 315-119.
- Glaner, Louis O. Paper roll holder. 2,876,960, 3-10-59, Cl. 242-55.3.
- Glanz, George. Elevating device for garbage trucks. 2,908,410, 10-13-59, Cl. 214-302.
- Glanz, Samuel R. Hand operated toy car. 2,869,686, 1-20-59, Cl. 188-109.
- Glanzstoff-Courtaulds G.m.b.H.: See—
- Domke, Richard, and Elckermann. 2,914,803.
- Glasbau Heinrich Hahn: See—
- Hahn, Otto. 2,907,078.
- Glasberg, Myer M., to American Stay Co. Article for use in a suspended position. 2,874,963, 2-24-59, Cl. 272-78.
- Glasbrenner, Frederick K., and W. E. Lyons, to General Electric Co. Flow meter. 2,897,672, 8-4-59, Cl. 73-228.
- Glasby, J. P., Mfg. Co., Inc.: See—
- Glasby, Jonathan P., Jr., Palmer, and Pendleton. 2,889,846.
- Glasby, Jonathan P., Jr., Palmer, and Pendleton. 2,913,120.
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- Glasby, Jonathan P., Jr., L. Palmer, Jr., and F. P. Pendleton, to J. P. Glasby Mfg. Co., Inc. Vacuum operated apparatus for moving fluid material. 2,913,120, 11-17-59, Cl. 210-416.
- Glascok Brothers Mfg. Co.: See—
- Reburn, Charles E. 2,914,631.
- Glaser Bros.: See—
- Seldman, Louis. 2,911,124.
- Glaser, David W., to General Mills, Inc. Thermosetting coating compositions. 2,880,194, 3-31-59, Cl. 260-47.
- Glaser, Hermann: See—
- Sennwald, Kurt, Pohl, Vogt, Meininger, Meyer, Glaser, and Stell. 2,918,141.
- Glaser, Jules. Packing box, in particular for eggs. 2,887,265, 5-19-59, Cl. 229-28.
- Glaser, Phillip S. Packages for coat hangers. 2,909,279, 10-20-59, Cl. 206-65.
- Glaser, Rolf, to Starrfrasmachinen A.G. Automatically operated profile milling machine. 2,899,868, 8-18-59, Cl. 90-13.1.
- Glaser-Steers Corp.: See—
- Jensen, Theodore. 2,897,390.
- Steers, William F. 2,880,343.
- Glaser, Walter, to Farrand Optical Co., Inc. Imaging apparatus. 2,906,879, 9-29-59, Cl. 250-49.5.
- Glaser, Walter, to Farrand Optical Co., Inc. Electron lens. 2,919,381, 12-29-59, Cl. 315-31.
- Glasgow, Clarence O., to National Tank Co. Oil and gas separators. 2,903,087, 9-8-59, Cl. 183-2.7.
- Glashaw, Alfred M., deceased; by F. A. Marshall, administrator. Tool for opening antenna stand-offs. 2,883,896, 4-28-59, Cl. 81-15.
- Glass, Ann T.: See—
- Glass, Thomas A. 2,892,464.
- Glass Containers (Medical) Ltd.: See—
- Shaw, George S. 2,896,807.
- Glass, Eugene D.: See—
- Campion, Frank E., Glass, and Morse. 2,901,043.
- Glass, Floyd M.: See—
- Wilson, Hubert N., and Glass. 2,874,305.
- Glass, Frank E., Jr. Sash balance. 2,885,725, 5-12-59, Cl. 16-197.
- Glass, Harry H.: See—
- Glass, Thomas A. 2,892,464.
- Glass, Henry P. Reclining chairs employing movable back and leg rests. 2,907,374, 10-6-59, Cl. 155-106.
- Glass, Lawrence N.: See—
- Sampson, Darwin L., Glass, and Richardson. 2,914,302.
- Glass, Marvin I.: See—
- Avala, Carl. 2,886,316.
- Pearson, Charles, Jr., and Lictia. 2,875,881.
- Glass, Marvin I. Toy figure. 2,881,559, 4-14-59, Cl. 46-104.
- Glass, Marvin I. Land and water toy. 2,900,758, 8-25-59, Cl. 46-92.
- Glass, Marvin I. Electrically driven wheeled figure toy. 2,909,001, 10-20-59, Cl. 46-247.
- Glass, Marvin I., and C. Pearson, Jr. Toy device which simulates the actions of a radarscope. 2,886,919, 5-19-59, Cl. 46-227.
- Glass, Marvin I., and C. Pearson, Jr. Remotely controlled toy vehicle. 2,896,367, 7-28-59, Cl. 46-40.
- Glass, Robert T. Air-freeze machine. 2,887,855, 5-26-59, Cl. 62-380.
- Glass, Robert T. Confection machines. 2,892,423, 6-30-59, Cl. 107-8.
- Glass, Robert T. Continuously moving apparatus for withdrawing frozen confection from molds. 2,894,652, 7-14-59, Cl. 214-300.
- Glass, Robert T. Conveyor-type apparatus for defrosting frozen confections and removing them from molds. 2,911,121, 11-3-59, Cl. 214-300.



- Glass, Roger L. Submersible thermometer and supporting means therefor. 2,902,860, 9-8-59, Cl. 73-343.
- Glass, Thomas A., deceased; A. T. Glass, executrix: 1/4 to H. H. Glass. Back flow preventer. 2,892,464, 6-30-59, Cl. 137-116.
- Glass, William H., and F. W. Shiley, to Westinghouse Air Brake Co. Air compressor. 2,875,850, 3-3-59, Cl. 184-6.
- Glassanos, Andrew, to General Electric Co. Winding for electrical apparatus. 2,873,432, 2-10-59, Cl. 336-192.
- Glassbrook, Clarence L., and T. D. Parks, to Ethyl Corp. Method of analyzing benzene hexachloride and apparatus therefor. 2,896,158, 7-21-59, Cl. 324-61.
- Glassburn, William E., to Westinghouse Electric Corp. Electrical protective apparatus. 2,909,708, 10-20-59, Cl. 317-23.
- Glassey, Courtney Q. Horn for loudspeaker. 2,871,972, 2-3-59, Cl. 181-31.
- Glassford, Donald C.: See—
- Clellan, William M., Willson, and Glassford. 2,915,892.
- Glassie, Don C.: See—
- Price, Edgar E. 2,895,374.
- Glassman, Louis H., R. E. Kemelhor, and K. E. Schuessler. Explosive bolt type store suspension system for aircraft. 2,889,746, 6-9-59, Cl. 89-1.5.
- Glassow, Franklin A., to Barber-Colman Co. Relay armature mounting. 2,882,461, 4-14-59, Cl. 317-198.
- Glasspar Co.: See—
- Tritt, William R. 2,887,978.
- Glasspoole, Frank S. Tube and rolling machine. 2,917,101, 12-15-59, Cl. 153-81.
- Glastrusions, Inc.: See—
- Goldsworthy, William B., and Landgraf. 2,871,911.
- Glatt, Herbert: See—
- Scheuer, Fred F., and Marx. 2,870,475.
- Glauber, Emil G.: See—
- Costa, Joseph L., Glauber, Morse, Pollitzer, and Sixthor. 2,890,865.
- Glaubke, Allen F., and J. J. Scott, to Western Electric Co. Inc. Devices for forming articles. 2,884,683, 5-5-59, Cl. 29-11.
- Glave, Glenn F. Adjustable trunk lid lash. 2,908,522, 10-13-59, Cl. 292-288.
- Glaxo Laboratories Ltd.: See—
- Hunt, John S., Long, and Mooney. 2,880,218.
- Jones, Ewart R. H., and Henbest. 2,910,471.
- Jones, Ewart R. H., Henbest, Woods, Hathway, and Thomas. 2,897,213.
- Long, Alan G., and Graham. 2,904,565.
- Long, Alan G., and Wyman. 2,908,695.
- Mugleton, Peter W., and Ungar. 2,908,614.
- Glazar, Walter S., to Radio Corp. of America. Low pass speech amplifier. 2,901,559, 8-25-59, Cl. 179-171.
- Glaze, Tom H., and W. C. Shaver, to Gordy Air-Less Spray Co. Liquid spraying apparatus. 2,908,247, 10-13-59, Cl. 118-320.
- Glazer, Irving D., to Dura Pak Corp. Bottle carrier. 2,871,055, 1-27-59, Cl. 294-87.2.
- Glazier, Robert C., and G. Zickler, to Friden, Inc. Coil winding method and apparatus. 2,873,924, 2-17-59, Cl. 242-13.
- Glazier, Robert C., and G. Zickler, to Friden, Inc. Coil winding method and apparatus. 2,874,319, 2-17-59, Cl. 310-260.
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- Gleasman, Hollis K., to Bendix Aviation Corp. Two-speed gear and hub brake for velocipedes or the like. 2,882,755, 4-21-59, Cl. 74-750.
- Gleasman, Hollis K., to Bendix Aviation Corp. Hub brakes for velocipedes and the like. 2,903,107, 9-8-59, Cl. 192-6.
- Gleasman, Hollis K., to Bendix Aviation Corp. Semi-automatic two-speed gear drive for velocipedes or the like. 2,903,913, 9-15-59, Cl. 74-750.
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- Gleasman, Hollis K., to Bendix Aviation Corp. Semi-automatic two-speed hub and brake for bicycles. 2,914,152, 11-24-59, Cl. 192-6.
- Gleason, Anthony H., to Esso Research and Engineering Co. Process of curing butadiene polymers in the presence of a hydrocarbon diluent and di-tertiary butyl peroxide. 2,880,190, 3-31-59, Cl. 260-33.6.
- Gleason, Francis L. Snap-action electric switch. 2,868,914, 1-13-59, Cl. 200-68.
- Gleason, Glen L.: See—
- Sweedyk, James M., and Gleason. 2,907,262.
- Gleason, Howard S.: See—
- Morris, Frank A., Confeld, Foote, and Gleason. 2,886,642.
- Gleason, Howard S., to General Dynamics Corp. Recorder. 2,867,435, 1-6-59, Cl. 271-2.1.
- Gleason, Joseph P., to General Electric Co. Range tracking system. 2,886,810, 5-12-59, Cl. 343-7.3.
- Gleason, Joseph P., to United States of America, Navy. Selective signal alarm circuit. 2,891,198, 6-16-59, Cl. 317-142.
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- Gleason, William W., to Nachman Corp. Spring unit for cribs and the like. 2,889,562, 6-9-59, Cl. 5-248.
- Gleason Works, The: See—
- Baxter, Meriwether L., Jr., and Carlsen. 2,895,384.
- Carlsen, Leonard O. 2,895,385.
- Carlsen, Leonard O. 2,905,007.
- Carlsen, Leonard O. 2,917,974.
- Carlsen, Leonard O., Critchley, and Mager. 2,869,427.
- Carlsen, Leonard O., and Krastel. 2,898,780.
- Carlsen, Leonard O., Krastel, and Quincey. 2,882,685.
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- Dammert, Earl D. 2,874,853.
- Gleason, John D., and L. R. Beard, to Deere & Co. Control mechanism. 2,900,836, 8-25-59, Cl. 74-469.
- Gleason, Murray A., to Goodman Mfg. Co. Single strand supported endless belt conveyor. 2,907,448, 10-6-59, Cl. 198-192.
- Gleeson, William S., and E. W. Stevens, to Thompson Ramo Wooldridge Inc. Dampening fluid. 2,907,310, 10-6-59, Cl. 123-90.
- Glegg, Douglas. One-piece double check valve. 2,888,034, 5-26-59, Cl. 137-512.4.
- Gleichauf, Paul H., to General Electric Co. Cathode ray tube structure including combined electrostatic and magnetic convergence system. 2,907,915, 10-6-59, Cl. 315-13.
- Gleim, William K. T.: See—
- Massey, Lester G., and Gleim. 2,914,385.
- Gleim, William K. T., to Universal Oil Products Co. Stabilization of organic compounds. 2,870,021, 1-20-59, Cl. 99-163.
- Gleim, William K. T., to Universal Oil Products Co. Anti-oxidation of rubber with 2,6 dialkoxy-4-allyl phenol. 2,885,502, 5-26-59, Cl. 260-757.
- Gleim, William K. T., to Universal Oil Products Co. Manufacture of lubricating oil. 2,905,624, 9-22-59, Cl. 208-89.
- Gleim, William K. T., to Universal Oil Products Co. Methylation of hydroxyaromatic compounds. 2,909,568, 10-20-59, Cl. 260-613.
- Gleim, William K. T., to Universal Oil Products Co. Treatment of lubricating oil fractions with a solvent for the polycyclic constituents. 2,914,473, 11-24-59, Cl. 208-334.
- Gleim, William K. T., and P. Urban, to Universal Oil Products Co. Process for sweetening sour hydrocarbon distillates with metal phthalocyanine catalyst in the presence of alkali and air. 2,882,224, 4-14-59, Cl. 208-206.
- Gleitsman, Harold, to Gleitsman's, Inc. Adjustable ottoman. 2,869,620, 1-20-59, Cl. 155-169.
- Gleitsman, Harold. Tubular furniture. 2,869,902, 1-20-59, Cl. 287-54.
- Gleitsman, Harold. Hampers. 2,872,268, 2-3-59, Cl. 312-280.
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- Gleitsman's, Inc.: See—
- Fuerst, Carl. 2,912,046.
- Gleitsman, Harold. 2,869,620.
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- Glen-Gery Shale Brick Corp.: See—
- Hummel, Floyd A. 2,871,132.
- Glenn, Arthur J., to United States of America, Navy. Transistor mono-stable sweep generator. 2,903,603, 9-8-59, Cl. 307-88.5.
- Glenn, Edward R. Fuel injecting apparatus. 2,898,901, 8-11-59, Cl. 123-139.
- Glenn, George G., and W. W. Gibson, to Glenn Pacific Power Supply Corp. Wide range power supply system for welding equipment. 2,909,647, 10-20-59, Cl. 219-131.
- Glenn, George G., and W. W. Gibson, to Glenn Pacific Power Supply Corp. Welding system. 2,913,618, 11-17-59, Cl. 314-74.
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- Glenn, George G., and Gibson. 2,909,647.
- Glenn, George G., and Gibson. 2,913,618.
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- Glenn, William E., to General Electric Co. Cathode ray reproduction tube having auxiliary function of synchronizing signal separation. 2,867,687, 1-6-59, Cl. 178-7.5.
- Glenn, William E., to General Electric Co. Transducer. 2,910,545, 10-27-59, Cl. 179-110.
- Glenn, William E., Jr., to General Electric Co. Color information presenting system. 2,919,302, 12-29-59, Cl. 178-5.4.
- Glennery, Julius G., to The Texas Co. Removal of deposits such as paraffin from oil lines by use of soluble candy plug. 2,876,145, 3-3-59, Cl. 134-8.
- Glennon, James B., R. H. Park, W. R. Maltby, and C. A. Hobbs. Mine firing mechanism. 2,881,702, 4-14-59, Cl. 102-18.
- Glennon, James B., E. Root III, R. H. Park, and E. S. Gillilan. Mine firing mechanism. 2,892,403, 6-30-59, Cl. 102-18.
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- Glenny, Arthur P., to The Sperry Gyroscope Co. Ltd. Control systems for aircraft. 2,876,967, 3-10-59, Cl. 244-77.
- Glenny, Arthur P., to The Sperry Gyroscope Co. Ltd. Gyroscopic apparatus. 2,891,407, 6-23-59, Cl. 74-5.1.

- Glenny, Arthur P., and F. Dove, to The Sperry Gyroscope Co. Ltd. Failure warning systems for navigational apparatus. 2,890,442, 6-9-59, Cl. 340-253.
- Glenny, Clarence S., to The Washburn Co. Bicycle basket. Re. 24,656, 6-9-59, Cl. 224-36.
- Glenny, Clarence S., to The Washburn Co. Bicycle baskets. 2,889,096, 6-2-59, Cl. 224-36.
- Glenny, Clarence S., to The Washburn Co. Dual carrier baskets for bicycles. 2,890,819, 6-16-59, Cl. 224-32.
- Glenny, Clarence S., to The Washburn Co. Hamburger press. 2,892,211, 6-30-59, Cl. 17-32.
- Glenny, Clarence S., to The Washburn Co. Split basket. 2,895,408, 7-21-59, Cl. 99-427.
- Glenon Industries, Inc.: See—
- Tracy, Glen M. 2,875,298.
- Glenz, Karl: See—
- Oppliger, Walter, Peyer, Schenkel, and Glenz. 2,918,475.
- Glessner, Lee S. Extension ladder. 2,880,920, 4-7-59, Cl. 228-21.
- Gley, Paul R. Missile launching device. 2,916,231, 12-8-59, Cl. 244-63.
- Glick, Herbert S., A. Hertzberg, W. Squire, and R. Weatherston, to Cornell Aeronautical Laboratory, Inc. Process for heating and cooling gases and apparatus therefor. 2,902,337, 9-1-59, Cl. 23-1.
- Glickman, Lester M.: See—
- Gieganski, Wladyslaw J., and Glickman. 2,873,438.
- Glickman, Samuel A., to General Aniline & Film Corp. Stabilization of polymeric N-vinyl pyrrolidones with sulfurous acid or alkali metal salts thereof. 2,872,433, 2-3-59, Cl. 260-45.7.
- Glickman, Sol. Twin sole press. 2,877,474, 3-17-59, Cl. 12-36.
- Glicksman, Richard: See—
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- Morehouse, Clarence K., and Glicksman. 2,874,204.
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- Glicksman, Richard, and C. K. Morehouse, to Radio Corp. of America. Primary cells. 2,897,249, 7-28-59, Cl. 136-102.
- Glickston, Samuel W. Swab applicator. 2,876,501, 3-10-59, Cl. 19-149.
- Glidden Co., The: See—
- Bain, Joseph P., Booth, and Gary. 2,894,040.
- Bain, Joseph P., Booth, Hunt, and Klein. 2,871,268.
- Bain, Joseph P., and Gary. 2,911,442.
- Booth, Albert B. 2,871,271.
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- Circle, Sidney J., Julian, and Whitney. 2,881,159.
- Cole, Robert D. 2,907,777.
- Davis, Paul F., and Iveson. 2,910,362.
- Drapeau, Joseph E., Jr., and Johnson. 2,891,842.
- Hampton, Burt L. 2,894,939.
- Johnson, Paul D. 2,908,072.
- Tessmer, Ernest H., and Wilhelm. 2,915,404.
- Tulk, George H., Jr., and Neuhaus. 2,907,669.
- Webb, Robert L. 2,868,845.
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- Glidden, Harold A. Wall structure and form unit therefor. 2,887,868, 5-26-59, Cl. 72-30.
- Glide Easy Mfg.: See—
- Van De Water, Frank G. 2,906,151.
- Glinka, Carl. Method for extraction of oil from oil-containing minerals. 2,881,126, 4-7-59, Cl. 208-11.
- Glintz, Georgia E. Toy shooter. 2,891,795, 6-23-59, Cl. 273-129.
- Glintz, Georgia E. Cushion hair dryer. 2,913,833, 11-24-59, Cl. 34-97.
- Gloss, George E., to Western Electric Co., Inc. Methods of and apparatus for coating articles. 2,885,777, 5-12-59, Cl. 29-528.
- Globe Co., The: See—
- Hill, John W. 2,886,816.
- Hill, John W. 2,895,573.
- Hill, John W. 2,871,508.
- Hill, John W. 2,917,259.
- Globe Industries, Inc.: See—
- Goddard, Louis H. 2,913,544.
- Johnson, Edward G. 2,895,098.
- Pittman, Paul R., Jr. 2,884,815.
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- Wasserman, Lee S., and Stolzenberger. 2,910,639.
- Globe Lighting Products, Inc.: See—
- De Mauro, Peter. 2,899,541.
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- Globe Oil Tools: See—
- Goodwin, John S. 2,875,984.
- Globe Ticket Co.: See—
- Mitchell, Donald H., Muehlberger, and Haederer. 2,906,199.
- Globe Tool and Gauge Works: See—
- Effgen, Anton. 2,908,007.
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- Globe Union Incorporated: See—
- Fenley, Robert D., and Harman. 2,891,914.
- Glueckstein, Henry J. 2,892,011.
- Glueckstein, Henry J., Goerg, and Youngbeck. 2,887,553.
- Kilby, Jack S. 2,892,130.
- Kilby, Jack S., and Khouri. 2,883,499.
- Ploren, William J. 2,912,608.
- Roup, Rolland R., Hitzeman, Taylor, and Beard. 2,905,564.
- Sabatino, Anthony, and Schaefer. 2,911,457.
- Sherwood, Edwin T., and Caniere. 2,879,451.
- Sperry, Leonard J. 2,892,137.
- Sperry, Leonard J. 2,904,845.
- Wiener, Robert. 2,877,389.
- Globe Venetian Blind Corp.: See—
- Radel, Aaron A. 2,916,246.
- Globe-Wernicke Co., The: See—
- Conley, Frank. 2,914,146.
- Globex International Ltd.: See—
- Van Erven Dorens, Eduard C., and Jansen. 2,911,672.
- Globo Investment Trust: See—
- Wegner, Josef. 2,916,871.
- Glockner, Frederick, to The Winchell Co. Article demonstration device. 2,882,619, 4-21-59, Cl. 35-51.
- Gloess, Paul F. M.: See—
- Dayonnet, Francois J. D., and Gloess. 2,894,070.
- Glomb, Walter L., to International Telephone and Telegraph Corp. Time delay circuit. 2,894,153, 7-7-59, Cl. 307-106.
- Glomb, Walter L., to International Telephone and Telegraph Corp. Synchronized oscillators. 2,903,650, 9-8-59, Cl. 331-56.
- Glore, Robert F., O. M. Hovgaard, and G. E. Perreault, to Bell Telephone Laboratories, Inc. Relay. 2,889,424, 6-2-59, Cl. 200-87.
- Gloss, Frithie: See—
- Gloss, Gunter H. 2,912,317.
- Gloss, Gunter H., and Ittlinger. 2,903,434.
- Gloss, Gunter H.: See—
- McGinnis, William J., and Gloss. 2,903,337.
- Petermann, John A., and Gloss. 2,893,828.
- Gloss, Gunter H., to International Minerals & Chemical Corp. Activation of lime. 2,869,888, 1-20-59, Cl. 23-186.
- Gloss, Gunter H., to International Minerals & Chemical Corp. Preparation of alkali metal phosphates. 2,874,027, 2-17-59, Cl. 23-107.
- Gloss, Gunter H., to International Minerals & Chemical Corp. Process of producing alkali metal fluorozirconates. 2,888,319, 5-26-59, Cl. 23-16.
- Gloss, Gunter H., deceased (by F. Gloss, administrator), to International Minerals & Chemical Corp. Granular fertilizer and process of producing same. 2,912,317, 11-10-59, Cl. 71-24.
- Gloss, Gunter H., and W. J. McGinnis, to International Minerals & Chemical Corp. Production of potassium carbonate. 2,903,336, 9-8-59, Cl. 23-33.
- Gloss, Gunter H., deceased (F. Gloss, administrator), and R. Ittlinger, to International Minerals & Chemical Corp. Decolorizing clays. 2,903,434, 9-8-59, Cl. 252-441.
- Glover, Anthony D. Homemaking unit. 2,875,009, 2-24-59, Cl. 312-29.
- Glover, Anthony D. Clip for holding spectacles or the like. 2,884,219, 4-28-59, Cl. 248-305.
- Glover, Bertram W.: See—
- Robinson, Thomas P., and Glover. 2,876,861.
- Glover, Clarence C.: See—
- Lackey, Robert S., and Glover. 2,916,917.
- Glover, Earl W.: See—
- Rittenhouse, Owen R., and Glover. 2,916,945.
- Glover, Harold G.: See—
- Valentine, Reginald, and Glover. 2,916,358.
- Glover, James B., and G. O. Peters. Device for snubbing wheel suspension structure to vehicle frame. 2,878,031, 3-17-59, Cl. 280-150.
- Glover, Jess A. Three size yard broom. 2,904,951, 9-22-59, Cl. 56-400.18.
- Glover, John E. Safety pin. 2,873,500, 2-17-59, Cl. 24-161.
- Glover, Wilfrid, to British Tyre & Rubber Co. Ltd. Friction material. 2,867,125, 1-6-59, Cl. 74-230.7.
- Glover, William S., J. F. West, P. A. Roush, and A. E. Budzilek, to Wheaton Glass Co. Reinforced glass aerosol containers. 2,917,197, 12-15-59, Cl. 215-12.
- Glovick, Stanley, and N. Frantz, to Carter Parts Co. Push button switch. 2,903,540, 9-8-59, Cl. 200-159.
- Glowacki, Matthew P.: See—
- Urbain, Leon F., and Glowacki. 2,895,704.
- Glowka, Martin. Protective covering for garment hangers. 2,878,978, 3-24-59, Cl. 223-98.
- Glowka, Martin. Rubber covered clothes hangers. 2,899,117, 8-11-59, Cl. 223-93.
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- Gluck, William, to Industrial Hardware Mfg. Co., Inc. Tube socket for printed circuits. 2,917,723, 12-15-59, Cl. 339-194.
- Gluckin, William, & Co., Inc.: See—
- Grisham, Simon. 2,888,018.
- Glueckstein, Henry J., to Globe-Union Inc. Variable resistors and the like. 2,892,011, 6-23-59, Cl. 174-66.



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- Gluesenkamp, Earl W., to Monsanto Chemical Co. Composition containing a plastic material and a modified clay. 2,883,356, 4-21-59, Cl. 260-37.
- Gluesenkamp, Earl W., and M. Kosmin, to Monsanto Chemical Co. Process for producing high energy fuels. 2,910,426, 10-27-59, Cl. 208-66.
- Glubareff, Michael E., to United Aircraft Corp. Sectional aircraft fuselage. 2,872,137, 2-3-59, Cl. 244-120.
- Glumer, Gustavo V. Mechanical riding toy. 2,885,213, 5-5-59, Cl. 280-1183.
- Gluss, Norman. Air cylinder. 2,869,514, 1-20-59, Cl. 121-1.
- Glynn, Leon A., to Collins Radio Co. Crystal oscillator isolation means. 2,880,313, 3-31-59, Cl. 250-20.
- Glynn, Leon A., to Collins Radio Co. Variable inductor. 2,910,661, 10-27-59, Cl. 336-139.
- Glynn, Theodore W., to Blue Ridge Glass Corp. Electric heater. 2,867,710, 1-6-59, Cl. 219-34.
- Glynn, Theodore W., to Blue Ridge Glass Corp. Method and apparatus for drilling large holes through glass sheets. 2,906,256, 9-29-59, Cl. 125-20.
- Gmitter, George T.: See—
- Swart, Gilbert H., Gmitter, and Nicholas. 2,915,496.
- Gnams, Josef, to Daimler-Benz Akt. Joint, in particular universal joint. 2,869,341, 1-20-59, Cl. 64-17.
- Gnandt, John A., and E. A. Kay, to Harris-Intertype Corp. Lubrication markers. 2,869,681, 1-20-59, Cl. 184-105.
- Gobat, Andre R., to International Telephone and Telegraph Corp. Method of cutting semiconductive material. 2,911,773, 11-10-59, Cl. 51-283.
- Gobbie, Wallace W.: See—
- Hoegee, Robert A., and Gobbie. 2,878,039.
- Gobby, Alan B. Stationary automobile wheel holder. 2,882,943, 4-21-59, Cl. 144-288.
- Gobell, Richard J.: See—
- Brown, Robert L., and Gobell. 2,890,243.
- Gober, Hubert S., to Rohr Aircraft Corp. Method and tool for smoothing formed sheet metal. 2,903,038, 9-8-59, Cl. 153-32.
- Gochel, Urban F., to Vapo-Gas Corp. Gaseous fuel generator. 2,905,800, 9-22-59, Cl. 219-38.
- Goddarsen, Robert, Jr., to General Electric Co. Interval timing apparatus and method. 2,909,666, 10-20-59, Cl. 250-95.
- Goddarsen, Byron L. Releasable bolster hoist. 2,878,057, 3-17-59, Cl. 298-22.
- Goddarsen, Byron L. Dump wagon hoist means. 2,902,315, 9-1-59, Cl. 298-22.
- Godbille, Francois, to Societe Anonyme dite: Fruehauf. Vehicles having dual wheels. 2,913,999, 11-24-59, Cl. 105-215.
- Goddard, Charles T., to Bell Telephone Laboratories, Inc. Method of determining surface flatness. 2,867,149, 1-6-59, Cl. 88-14.
- Goddard, Edwin G. Lamp holder. 2,869,092, 1-13-59, Cl. 339-57.
- Goddard, George W., to Bulova Research and Development Laboratories, Inc. Automatic aerial photography system. 2,897,393, 7-21-59, Cl. 95-125.
- Goddard, Louis H., to Globe Industries, Inc. Timer. 2,913,544, 11-17-59, Cl. 200-35.
- Goddard, Reginald E., to Imperial Chemical Industries Ltd. Process for the continuous regeneration of a granular catalyst. 2,897,157, 7-28-59, Cl. 252-418.
- Goddard, William A., to International Business Machines Corp. Data storage apparatus. 2,901,730, 8-25-59, Cl. 340-173.
- Goddard, William F., to The St. Peter Rosary Co. Rosary entity. 2,912,770, 11-17-59, Cl. 35-23.
- Godden, Thomas E., and E. H. Morris, to Rotol Ltd. Variable pitch airscrews. 2,903,075, 9-8-59, Cl. 170-160.32.
- Goddin, Clifton S., Jr., and J. F. Magness, to Pan American Petroleum Corp. Recovery of chemicals from hydrocarbon solutions. 2,898,362, 8-4-59, Cl. 260-450.
- Goddin, Clifton S., Jr., and J. F. Magness, to Pan American Petroleum Corp. Process for recovery of oxygenated chemicals from hydrocarbon solutions thereof. 2,902,508, 9-1-59, Cl. 260-450.
- Goddu, Lloyd W., and O. W. Dillon, to American Optical Co. Lens marking devices. 2,917,971, 12-22-59, Cl. 88-56.
- Goddu, Robert F., to Hercules Powder Co. Preparation of oxetane polymers. 2,895,922, 7-21-59, Cl. 260-2.
- Goddu, Robert F., to Hercules Powder Co. Preparation of oxetane polymers. 2,905,647, 9-22-59, Cl. 260-2.
- Goddu, Robert F., and J. A. Hudry, to Hercules Powder Co. Stabilization of monomeric 3,3-bis (chloromethyl)-oxetane. 2,914,540, 11-24-59, Cl. 260-333.
- Godehn, Donald J.: See—
- Walker, Bernard F., Ward, and Godehn. 2,905,968.
- Göden, Peter: See—
- Naeser, Gerhard, and Göden. 2,892,215.
- Godet, Pierre, to Les Usines de Melle (Societe Anonyme). Process for producing diacetone alcohol. 2,889,369, 6-2-59, Cl. 260-594.
- Godet, Sidney: See—
- McCoy, Rawley D., and Godet. 2,889,508.
- Godfrey, Charles E., to American Brake Shoe Co. Vertically mounted spike driver. 2,884,867, 5-5-59, Cl. 104-17.
- Godfrey, Charles E., and W. T. Johnson, Jr., to American Brake Shoe Co. Impacting apparatus. 2,910,010, 10-27-59, Cl. 104-17.
- Godfrey, James H., and K. Damijonaitis, to The Stanley Works. Control mechanism and shaft lock. 2,897,302, 7-28-59, Cl. 200-42.
- Godfrey, John C., to Godfrey Molecular Models, Inc. Set of atomic models for the teaching of chemistry. 2,882,617, 4-21-59, Cl. 35-18.
- Godfrey, John W.: See—
- Disinger, Frank A., and Godfrey. 2,874,555.
- Godfrey, John W., J. R. Hayden, and K. V. Nieman, to General Motors Corp. Marine heat exchanger. 2,914,012, 11-24-59, Cl. 114-3.
- Godfrey, Kenneth L.: See—
- Baker, Joseph W., and Godfrey. 2,887,432.
- Baker, Joseph W., and Godfrey. 2,889,330.
- Cooper, Robert H., and Godfrey. 2,915,512.
- Cooper, Robert H., and Godfrey. 2,915,513.
- Garlette, William A., Jr., and Godfrey. 2,868,841.
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- Godfrey Molecular Models, Inc.: See—
- Godfrey, John C. 2,882,617.
- Godfrey, Wallace C. Dusting device. 2,878,504, 3-24-59, Cl. 15-210.
- Godfrey, Wallace C., and W. J. Lacourciere. Fish stringer. 2,914,230, 11-24-59, Cl. 224-7.
- Godfrey, Nicholas A. C. Combination mouth piece and airway. 2,882,893, 4-21-59, Cl. 128-136.
- Godier, Ivan: See—
- Billin, James J., Godier, and Hall. 2,885,472.
- Godowsky, Leopold, and J. J. Duane, to Eastman Kodak Co. Microdispersions of photographic color couplers. 2,870,012, 1-20-59, Cl. 96-97.
- Godshalk, James B., to Fox Products Co. Valves. 2,915,086, 12-1-59, Cl. 137-614.14.
- Godshalk, Russell L., to The Babcock & Wilcox Co. Fluid heat exchange apparatus. 2,916,203, 12-8-59, Cl. 257-224.
- Gott, Henry C., Jr., to Monsanto Chemical Co. Nitric acid oxidation of cyclic alcohols. 2,881,215, 4-7-59, Cl. 260-534.
- Godwin, Charles J., M. Hurowitz, P. D. Kaplan, E. W. Siegel, and T. W. Zebley, to General Electric Co. Component assembly system. 2,896,314, 7-28-59, Cl. 29-203.
- Goebel, Gerhard. Temperature regulator for room heaters. 2,895,675, 7-21-59, Cl. 236-9.
- Goebel, Hermann: See—
- Benade, Walther, and Goebel. 2,875,191.
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- Goebel, Max T., to E. I. du Pont de Nemours and Co. Methods of killing insects and fungi with perchloryl fluoride. 2,913,366, 11-17-59, Cl. 167-17.
- Goehner, William R., to Bell Telephone Laboratories, Inc. Sound track position compensation means for record drum-head screw type translating device. 2,872,195, 2-3-59, Cl. 274-20.
- Goehre, Otto: See—
- Oettinger, Willi, Von Fuener, and Goehre. 2,894,898.
- Goehrig, George H., Jr., and H. I. Southerwick, to Blackhawk Mfg. Co. Hydraulic weighing device. 2,909,367, 10-20-59, Cl. 265-47.
- Goehring, Edward E. Automatic oil reservoir. 2,903,091, 9-8-59, Cl. 184-103.
- Goeke, Ralph E.: See—
- Corriveau, Joseph A., Goeke, and Sihvonen. 2,888,005.
- Goellner, John A., to Monarch Metal Weatherstrip Corp. Weatherstrip and sash balance. 2,912,726, 11-17-59, Cl. 20-52.
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- Goepfrich, George A., to The Skinner Chuck Co. Jaw centering device for chucks. 2,898,120, 8-4-59, Cl. 279-116.
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- Goetz, Walter: See—
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- Goland, Lew: See—
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- Golay, Donaven E., to Farmer Feeder Co., Inc. Milk line vacuum releaser. 2,871,821, 2-3-59, Cl. 119-147.
- Golay, Marcel J. E., to The Perkin-Elmer Corp. Radiation comparison systems. 2,870,343, 1-20-59, Cl. 250-220.
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- Katzen, Jacob, and Gold. 2,888,869.
- Gold, Archie, to United States of America, Air Force. Self-registering overload mechanism. 2,868,000, 1-13-59, Cl. 64-29.
- Gold, Charles M.: See—
- Di Pasquale, Renato, and Gold. 2,905,738.
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- Crossfield, John F., and Gold. 2,873,117.
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- Gold, Harold, and D. M. Straight. Fluid metering system. 2,870,777, 1-27-59, Cl. 137-100.
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- Gold, Heinrich: See—
- Siegel, Edgar, and Gold. 2,901,477.
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- Gold, Marvin H., and L. Herzog, to Aerojet-General Corp. Geminal dinitro compounds and method of preparing same. 2,918,489, 12-22-59, Cl. 260-465.4.
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- Gold, William. Composite floors, and method of making such floors. 2,908,049, 10-13-59, Cl. 20-7.
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- Kaufman, Edwin N. 2,867,735.
- Goldammer, Arthur R.: See—
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Goldberg, Albert I., and K. V. Jasinski, to National Starch Products Inc. Vinyl resin emulsions containing methoxy polyethylene glycol. 2,910,448, 10-27-59, Cl. 260-29.6.

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Goldberg, Earl J.: See—  
Frazer, August H., and Goldberg. 2,888,440.

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Goff, John C., Goldberg, and Sondheimer. 2,868,126.

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Golde, Hans T., and J. K. Werner. Lock for a vehicle roof. 2,872,243, 2-3-59, Cl. 296-137.

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Goldschmidt, Fabio R., to Westinghouse Electric Corp. Gas reaction rotors. 2,874,894, 2-24-59, Cl. 230-115.

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Goldstein, Eugene E., to The Celotex Corp. Translucent acoustical correction ceiling construction. 2,870,857, 1-27-59, Cl. 181-33.

Goldstein, Gabriel F., to Interchemical Corp. Composition comprising a mixture of synthetic resins and cellulose acetate butyrate for printing on vinyl plastics. 2,872,423, 2-3-59, Cl. 260-16.

Goldstein, Irving S., to Koppers Co., Inc. Impregnating solutions and method of impregnation therewith. 2,909,450, 10-20-59, Cl. 117-161.

Goldstein, Irving S., and W. A. Dreher, to Koppers Co., Inc. Method of imparting flame retardance to wood. 2,917,408, 12-15-59, Cl. 117-103.

Goldstein, Ladislav, P. E. Dorney, and M. A. Lampert, to International Telephone and Telegraph Corp. Ultra-high frequency amplitude modulator. 2,903,652, 9-8-59, Cl. 332-57.

Goldstein, Leon. Convertible lounge and bed and the like. 2,880,426, 4-7-59, Cl. 5-37.

Goldstein, Murray. Receptacle heels for footwear. 2,904,901, 9-22-59, Cl. 36-1.

Goldstein, Raymond: See—  
Hecht, Herbert, and Goldstein. 2,881,992.

Goldstein, Richard: See—  
Maciszewski, Arthur H., Hupert, Goldstein, and Szubski. 2,881,315.

Goldstein, Richard, to Perma-Power Co. Highly discriminating radio frequency receiver. 2,869,123, 1-13-59, Cl. 343-225.

Goldstine, Hallan E., to United States of America, Navy. Transmitter frequency generation system. 2,872,646, 2-3-59, Cl. 332-41.

Goldsworthy, William B., and F. Landgraf, to Glastrustons, Inc. Apparatus for producing elongated articles from fiber-reinforced plastic material. 2,871,911, 2-3-59, Cl. 154-1.7.

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Goldtrap, Charley L. Toilet flush tank assembly. 2,898,604, 8-11-59, Cl. 4-57.

Goldtrap, Charley L.,  $\frac{1}{2}$  to D. Kamphausen, and  $\frac{1}{2}$  to W. W. Flenniken. Toilet tank supply valve assembly. 2,900,996, 8-25-59, Cl. 137-416.

Goldtrap, Charley L.,  $\frac{1}{2}$  each to D. Kamphausen and W. W. Flenniken. Toilet flush valve assembly. 2,904,794, 9-22-59, Cl. 4-57.

Goldwag, Harry L. Molding and casting process. 2,917,782, 12-22-59, Cl. 18-55.05.

Golemon, Valla S. Vacuum milking machines. 2,887,956, 5-26-59, Cl. 119-14.08.

Golfas, Louis P.: See—  
Kocsee, Jime. 2,911,926.

Golf, Anthony B., to Hartwig Inc. Platform unit and assembly. 2,889,184, 6-2-59, Cl. 311-1.

Golfos, Louis P.: See—  
Kocsee, Jime. 2,889,002.

Gollier, Edward W., to General Electric Co. Chromium base refractory compositions. 2,872,725, 2-10-59, Cl. 29-182.5.

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Golightly, James S., to Pittsburgh Plate Glass Co. Glass bending mold. 2,882,646, 4-21-59, Cl. 49-67.

Golightly, James S., to Pittsburgh Plate Glass Co. Apparatus for bending glass. 2,917,872, 12-22-59, Cl. 49-67.

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Gollnell, Marino. Method of producing a dietetic honey still containing its active principles. 2,871,129, 1-27-59, Cl. 99-146.

Goll, Ernest R., to Braun-Goll Co. Plastic stopper and shield for a tap rod fitting for a barrel. 2,886,203, 5-12-59, Cl. 220-24.

Gollnow, Johannes D., to Gollnow-Werke A.G. Bridge construction. 2,878,498, 3-24-59, Cl. 14-1.

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Gollnow, Johannes D. 2,878,498.

Gollus, Frank E. Cutting tool. 2,908,963, 10-20-59, Cl. 29-96.

Gollwitzer, Walter T., to Addressograph-Multigraph Corp. Printing machines. 2,868,115, 1-13-59, Cl. 101-2.

Goloff, Alexander, to Caterpillar Tractor Co. Vibration damper. 2,905,022, 9-22-59, Cl. 74-574.

Goloff, Alexander, and R. H. Robinson, to Caterpillar Tractor Co. Flexible and vibration damping coupling. 2,891,394, 6-23-59, Cl. 64-14.

Golrick, Albert R.: See—  
Douglas, Alvin P., Golrick, and Skerl. 2,899,030.

Golrick, Philip D.: See—  
Wilms, Henry P., and Golrick. 2,880,897.

Goltz, Joseph. Box construction with stacking tab. 2,913,162, 11-17-59, Cl. 229-27.

Goltz, Lothar: See—  
Krug, Julius, and Goltz. 2,917,248.

Golub, Lillian L., and H. S. Sylvester, to Colgate-Palmolive Co. Liquid soap composition. 2,912,385, 11-10-59, Cl. 252-132.

Golub, Morton A., to The B. F. Goodrich Co. Method of isomerizing polybutadiene. 2,878,175, 3-17-59, Cl. 204-160.

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Golz, Herbert C.: See—  
Wells, James G., and Golz. 2,912,294.

Gomberg, Edward N., to Douglas Aircraft Co., Inc. Bulkhead seal for wire bundles. 2,892,013, 6-23-59, Cl. 174-153.

Gomberg, Edward N., to Sundstrand Machine Tool Co. Piston ring. 2,915,349, 12-1-59, Cl. 309-23.

Gomerding, Charles W.: See—  
Magruder, William R., and Gomerding. 2,894,139.

Gomersall, John R., to McGraw-Edison Co. Drawer suspension. 2,869,961, 1-20-59, Cl. 312-339.

Gomersall, John R., to McGraw-Edison Co. Drawer suspension. 2,880,040, 3-31-59, Cl. 308-3.8.

Gomersall, John R., to McGraw-Edison Co. Waffle baker construction. 2,895,407, 7-21-59, Cl. 99-379.

Gommel, Dewey E., to Borg-Warner Corp. Change speed transmission. 2,883,872, 4-28-59, Cl. 74-336.

Gommel, Dewey E., to Borg-Warner Corp. Mounting rotors on arbors of various transaxial contours. 2,912,021, 11-10-59, Cl. 143-155.

Gommels, John P. Hinge construction. 2,872,698, 2-10-59, Cl. 16-163.

Gomory, Paul L., to Phillips Petroleum Co. Methods and apparatus for handling particulate solids. 2,899,374, 8-11-59, Cl. 208-47.

Gondek, John T. Shaft couplings. 2,897,662, 8-4-59, Cl. 64-15.

Gondek, John T. Combination hydraulic power unit. 2,916,879, 12-15-59, Cl. 60-52.

Gondek, Stanley: See—  
Knox, David R., and Gondek. 2,876,823.  
Knox, David R., and Gondek. 2,918,100.

Gondolfo, Charles. Automobile fuel tank alarm. 2,867,698, 1-6-59, Cl. 200-56.

Gonet, Irving. Fluid leak detectors. 2,903,532, 9-8-59, Cl. 200-84.

Gongoll, Vernon F., and G. G. Klinger, to The Electric Storage Battery Co. Respirator. 2,893,387, 7-7-59, Cl. 128-146.

Gonser, Homer S., Jr., to Wall Colmonoy Corp. Metallic composition. 2,868,639, 1-13-59, Cl. 75-171.

Gonsett, Faust R., to Young Spring & Wire Corp. Radio wave reflector. 2,875,444, 2-24-59, Cl. 343-915.



- Gonski, Joseph: See—  
Cartledge, Frank, and Gonski. 2,868,528.  
Cartledge, Frank, and Gonski. 2,916,273.
- Gonski, Joseph, to Goodman Mfg. Co. Adjustable continuous mining machine of the boring type. 2,868,530, 1-13-59, Cl. 262-7.
- Gonski, Joseph, to Goodman Mfg. Co. Adjustable cusp cutter for boring type continuous mining machine. 2,868,531, 1-13-59, Cl. 262-7.
- Gonzales, Hooley B. Apparatus for excavating holes. 2,874,936, 2-24-59, Cl. 255-20.
- Gonzalez, Ben. Poultry supporting means. 2,874,404, 2-24-59, Cl. 17-44.1.
- Gonzalez, Santos I. Apparatus for driving off moisture from sugar-cane bagasse. 2,882,612, 4-21-59, Cl. 34-86.
- Good, Leon H., to United States of America, Atomic Energy Commission. Method for recovering uranium from oils. 2,894,808, 7-14-59, Cl. 23-14.5.
- Good, Arthur L., to Mairco, Inc. Valve. 2,874,924, 2-24-59, Cl. 251-58.
- Good, Bert: See—  
Laube, Hans. 2,905,049.
- Good, Carl D., and H. D. Batha, to Olin Mathieson Chemical Corp. Conversion of sodium tetrachloroaluminate to sodium aluminum hydride. 2,867,499, 1-6-59, Cl. 23-14.
- Good, Fred C., to Fred C. Good & Sons, Inc. Anchor boom assembly. 2,870,732, 1-27-59, Cl. 114-210.
- Good, Fred C., to Fred C. Good & Sons, Inc. Windless. 2,875,890, 3-3-59, Cl. 203-227.
- Good, Fred C., to Fred C. Good & Sons, Inc. Anchor boom assembly. 2,899,924, 8-18-59, Cl. 114-210.
- Good, Fred C. & Sons, Inc.: See—  
Good, Fred C. 2,870,732.  
Good, Fred C. 2,875,890.  
Good, Fred C. 2,899,924.
- Good, George M. Golf course divot replacing tool. 2,869,915, 1-20-59, Cl. 294-50.6.
- Good Roads Machinery Corp.: See—  
Hanson, Harry I. 2,887,714.
- Good, Robert H., to United States of America, Atomic Energy Commission. Continuously sensitive bubble chamber. 2,900,518, 8-18-59, Cl. 250-83.
- Good, Rouer F., to Morgan Machine Co., Inc. Pneumatic impact tool. 2,899,933, 8-18-59, Cl. 121-13.
- Good, Stuart A. Safety shoes. 2,891,329, 6-23-59, Cl. 36-72.
- Goodale, Edmund E., to General Electric Co. Time series current conversion. 2,897,445, 7-28-59, Cl. 324-111.
- Goodale, Ralph H. One-wheeled foldable carrier with spring pin strut connection. 2,918,296, 12-22-59, Cl. 280-41.
- Goodale, Walter D., Jr., and W. Pfird, to Bell Telephone Laboratories, Inc. Telephone pay station. 2,883,463, 4-21-59, Cl. 179-63.
- Goodale, Walter D., Jr., W. Pfird, and R. K. Thompson, Jr., to Bell Telephone Laboratories, Inc. Telephone pay station. 2,906,823, 9-29-59, Cl. 179-63.
- Goodall, Charles M., and M. Rotary raking wheel. 2,867,965, 1-13-59, Cl. 56-377.
- Goodall Equipment, Inc.: See—  
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- Goodall, Leonard B., to Goodall Equipment, Inc. Multiple bladed mower. 2,898,723, 8-11-59, Cl. 56-25.4.
- Goodall, Maurice: See—  
Goodall, Charles and M. 2,867,965.
- Goodall, Robert R., and N. H. Sutcliffe, to Imperial Chemical Industries Ltd. Process for the isolation of cephalosporin N. 2,899,425, 8-11-59, Cl. 260-239.1.
- Goodall Rubber Co.: See—  
Williamson, Frederick B., Jr., and Holland. 2,890,900.
- Goodall, William M., to Bell Telephone Laboratories, Inc. Microwave data processing circuits. 2,914,249, 11-24-59, Cl. 235-176.
- Goodall, William M., and H. E. Rowe, to Bell Telephone Laboratories, Inc. Broad-band amplifier employing parallel-series coupling network. 2,899,508, 8-11-59, Cl. 179-171.
- Goodbar, Isaac. Projection screen. 2,884,834, 5-5-59, Cl. 85-28.93.
- Goodbar, Mayo A., R. G. Pratt, and C. A. Bacher, to The National Cash Register Co. Feed control mechanism for record material. 2,889,769, 6-9-59, Cl. 101-66.
- Goodell, John D., and T. Lode, to Librascope, Inc. Magnetic pulse controlling device. 2,914,753, 11-24-59, Cl. 340-174.
- Gooden, Herbert B. Advertising sign device. 2,876,567, 8-10-59, Cl. 40-32.
- Gooden, John S.: See—  
Link, Charles T., Jr., and Gooden. 2,895,150.
- Goodenow, Earl P. Water ski harness. 2,910,709, 11-3-59, Cl. 9-21.
- Gooderham, John W., E. Jacobitti, O. Myera, F. F. Shipley, and W. Strickler, to Bell Telephone Laboratories, Inc. Toll switching telephone system. 2,868,884, 1-13-59, Cl. 179-18.
- Goodfellow, Ada M. Castor cups for receiving castors of furniture. 2,915,850, 12-8-59, Cl. 45-137.
- Goodfellow, Harry E., to Jervis Corp. Latch control apparatus. 2,893,139, 8-4-59, Cl. 292-336.3.
- Goodhue, Carl E., K. H. Schwarz, and L. L. Stephens, to Puritan Compressed Gas Co. Flowmeter structure. 2,882,725, 4-21-59, Cl. 73-209.
- Goodhue, Lyle D., to Phillips Petroleum Co. Control of grass growth. 2,868,633, 1-13-59, Cl. 71-2.3.
- Goodhue, Lyle D., and K. E. Cantrel, to Phillips Petroleum Co. Insect repellent composition comprising a diethyl, di-n-propyl or di-n-butyl pyridine dicarboxylate, a stabilizer and a method of use. 2,884,355, 4-25-59, Cl. 167-33.
- Goodhue, Lyle D., and K. E. Cantrel, to Phillips Petroleum Co. Synergist-containing polycyclic aldehydes and alcohols as insect repellents. 2,919,227, 12-29-59, Cl. 167-33.
- Goodin, Harry A., Jr., and C. E. Hawk, to Aerojet-General Corp. Coupling device. 2,905,486, 9-22-59, Cl. 284-19.
- Gooding, Chester M.: See—  
Melnick, Daniel, and Gooding. 2,874,055.
- Gooding, Francis H., to The Okonite Co. Apparatus for testing electric cable insulation. 2,882,491, 4-14-59, Cl. 324-54.
- Gooding, Francis H., to The Okonite Co. Apparatus for testing electric cable insulation. 2,882,492, 4-14-59, Cl. 324-54.
- Gooding, Francis H., to The Okonite Co. Apparatus for testing electric cable insulation. 2,900,597, 8-18-59, Cl. 324-54.
- Gooding, Iver L., to Lennox Industries, Inc. Adjusting device for troughs. 2,903,224, 9-8-59, Cl. 248-274.
- Gooding, William T., Jr., and R. C. Danison, to Diamond Alkali Co. Process for producing alkali metal silicates. 2,869,985, 1-20-59, Cl. 23-110.
- Goodland, William L. Pea harvester. 2,882,909, 4-21-59, Cl. 130-30.
- Goodlaxson, John D., to The Maytag Co. Water level control means. 2,874,559, 2-24-59, Cl. 68-207.
- Goodley, Charles E. Lace machines. 2,871,753, 2-3-59, Cl. 87-27.
- Goodlife, Arthur W.: See—  
MacGregor, Peter S., and Goodlife. 2,887,297.  
MacGregor, Peter S., and Goodlife. 2,905,407.
- Goodman, Ben. Knockdown-type spot vulcanizer. 2,875,470, 3-3-59, Cl. 18-18.
- Goodman, Charles J., and G. R. Walker, to American Telephone and Telegraph Co. Multiple transmitter control circuit. 2,896,020, 7-21-59, Cl. 178-17.5.
- Goodman, David M. Cathode and directed ray tubes. 2,885,591, 5-5-59, Cl. 315-1.
- Goodman, David M. Directed ray tube and the like. 2,897,388, 7-28-59, Cl. 313-65.
- Goodman, David M. System for selected transmission, storage, display, coding or decoding of information. 2,897,398, 7-28-59, Cl. 315-10.
- Goodman, David M. Radiation generating and transmitting device. 2,915,659, 12-1-59, Cl. 313-65.
- Goodman, Eli L., to Nuclear Science and Engineering Corp. Control and transmission method and apparatus. 2,906,878, 9-29-59, Cl. 250-45.
- Goodman, George, Ltd.: See—  
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- Goodman, Henry. Tube container for paint. 2,893,710, 7-7-59, Cl. 259-72.
- Goodman, Henry B. Divider and rack construction. 2,869,733, 1-20-59, Cl. 211-184.
- Goodman, Hugh F., to The A. P. V. Co. Ltd. Packed screw-thimble type coupling with means to prevent overcompression of the packing. 2,871,036, 1-27-59, Cl. 285-354.
- Goodman, Joseph J., to American Cyanamid Co. Fermentation of oxytetracycline by streptomyces rimosus. 2,871,166, 1-27-59, Cl. 195-114.
- Goodman, Joseph J., to American Cyanamid Co. Streptomyces aureofaciens fermentation process. 2,911,339, 11-3-59, Cl. 195-80.
- Goodman Mfg. Co.: See—  
Arndt, Charles J. 2,908,958.  
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Bergmann, Ernst R. 2,889,518.  
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- Goodman Mfg. Co.: See—Continued  
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- Goodman, Morris. Parking station. 2,883,780, 4-28-59, Cl. 39-6.
- Goodman, Peter J. Carton dispenser. 2,906,434, 9-29-59, Cl. 221-297.
- Goodman, Robert B., and F. J. Roberts, to United Aircraft Corp. Coupling and mixing chamber for an aircraft air conditioning system. 2,884,846, 5-5-59, Cl. 98-38.
- Goodman, Solomon: See—  
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- Goodman, Walter, to L. A. Kocen. Clothes hanger. 2,872,090, 2-3-59, Cl. 223-94.
- Goodmans Industries Ltd.: See—  
Jordan, Edward J. 2,885,024.
- Goodner, Monroe H., to Stephenson Corp. Two-stage gas regulator. 2,891,569, 6-23-59, Cl. 137-505.12.
- Goodner, Monroe H., to Stephenson Corp. Demand valve. 2,918,073, 12-22-59, Cl. 137-64.
- Goodrich, B. F., Co., The: See—  
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Bush, Thomas F. 2,909,493.  
Cate, Malcolm S. 2,900,953.  
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- Goodrich, George W.: See—  
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- Goodrich, Gordon W., to The Martin Co. Modular display arrangement. 2,914,872, 12-1-59, Cl. 40-124.
- Goodrich-Gulf Chemicals, Inc.: See—  
Miller, Floyd F., and Conner. 2,905,659.
- Goodrich, Hunter C.: See—  
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- Goodrich, Hunter C., to Radio Corp. of America. Transistor reactance circuit. 2,870,421, 1-20-59, Cl. 333-50.
- Goodrich, Hunter C., to Radio Corp. of America. Noise immune automatic gain control circuit. 2,878,312, 3-17-59, Cl. 178-7.3.
- Goodrich, Hunter C., to Radio Corp. of America. Amplitude discriminatory system. 2,890,352, 6-9-59, Cl. 307-88.5.
- Goodrich, Hunter C., to Radio Corp. of America. Sawtooth wave generator. 2,891,192, 6-16-59, Cl. 315-27.
- Goodrich, Hunter C., to Radio Corp. of America. Transistor, operating in collector saturation carrier-storage region, converting pulse amplitude to pulse duration. 2,905,815, 9-22-59, Cl. 250-20.
- Goodrich, Hunter C., to Radio Corp. of America. Transistor phase detector circuit. 2,906,818, 9-29-59, Cl. 178-7.3.
- Goodrich, John J., to St. Regis Paper Co. Container with trough feeding means and trough insert therefor. 2,885,141, 5-5-59, Cl. 229-66.
- Goodrich, William. Die handling and assembly machine. 2,914,968, 12-1-59, Cl. 76-4.
- Goodridge, Laurence M., and C. L. Martin. Pressure injection type carburetor. 2,871,841, 2-3-59, Cl. 123-119.
- Goodridge, Laurence M., and C. L. Martin, to ACF Industries, Inc. Tangential nozzle type carburetor. 2,877,003, 3-10-59, Cl. 261-62.
- Goodrum, Richard B., to Jones and Lamson Machine Co. Universal chuck. 2,883,201, 4-21-59, Cl. 279-113.
- Goodspeed Machine Co.: See—  
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- Goodspeed, Perry C., Jr., to Cornell Valve Corp. Aerosol valve. 2,908,479, 10-13-59, Cl. 251-320.
- Goodwin, A. D., & Son, Inc.: See—  
Goodwin, Alfred D. 2,891,372.  
Goodwin, Alfred D. 2,892,505.
- Goodwin, Alfred D., to A. D. Goodwin & Son, Inc. Combination knocker and limb shaker. 2,891,372, 6-23-59, Cl. 56-328.
- Goodwin, Alfred D., to A. D. Goodwin & Son, Inc. Vehicle with steering by driving mechanism. 2,892,505, 6-30-59, Cl. 180-6.66.
- Goodwin, Chester H., to The Chemstrand Corp. High speed washing and relaxing thread advancing storage reel. 2,898,756, 8-11-59, Cl. 68-205.
- Goodwin, Donald F., and J. X. Sopkovich. Portable gun bore cleaner. 2,897,525, 8-4-59, Cl. 15-104.165.
- Goodwin, Fil F., to Burroughs Corp. Sheet handling apparatus. 2,871,638, 2-3-59, Cl. 53-32.
- Goodwin, Francis L., Jr., to ACF Industries, Inc. Module. 2,890,390, 6-9-59, Cl. 317-101.
- Goodwin, John H., to Overly Mfg. Co. Roofing construction. 2,885,974, 5-12-59, Cl. 108-21.
- Goodwin, John S., to Globe Oil Tools. Well-drilling roller bit. 2,875,984, 3-3-59, Cl. 255-313.
- Goodwin, Manfred E., E. W. Sawyer, Jr., and H. A. Smith, to Minerals & Chemicals Corp. of America. Joint sealing compounds containing attapulgite. 2,894,848, 7-14-59, Cl. 106-278.
- Goodwin, Norris, to N. Goodwin and G. G. Sanders jointly as trustees. Continuous vortical classifier. 2,897,965, 8-4-59, Cl. 209-211.
- Goodwin, William V.: See—  
Korman, Nathaniel I., and Goodwin. 2,876,446.
- Goody, Robert B., to Federal Electric Products Co. Automatic controls for vaporizers. 2,876,364, 3-3-59, Cl. 250-218.
- Goodyear Aircraft Corp.: See—  
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- Hampshire, William J., and Lepore. 2,868,439.
- Morrill, Charles D., Hosterman, and Vance. 2,875,389.
- Nielsen, James S. 2,905,064.
- Goodyear, Charles R., to Holley Carburetor Co. Carburetor assembly. 2,892,622, 6-30-59, Cl. 261-41.
- Goodyear Tire & Rubber Co., The: See—  
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Barrington, Charles E. 2,909,194.  
Beauchamp, Wilfred A., and Gerstenmaier. 2,907,080.  
Beebe, Paul, Jr. 2,899,788.  
Bender, Newell R. 2,888,412.  
Bender, Newell R., and Rogers. 2,888,409.  
Bricker, Carl E., and Runner. 2,916,884.  
Culbertson, James A. 2,909,245.  
Enabnit, Robert S. 2,900,454.  
Fauser, Ernest E. 2,888,432.  
Frayer, Theodore, and Runner. 2,900,052.  
Finelli, Anthony F., and Seeger. 2,888,437.  
Frayer, Theodore. 2,888,104.  
Garrett, John E., and Gerstenmaier. 2,905,985.  
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Hardman, Albert F. 2,888,445.  
Harper, Donald E. 2,899,982.  
Hawley, Jesse G. 2,887,961.  
Hayes, Donald W. 2,900,371.  
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 Googlin, John M., Jr., to United States of America, Atomic Energy Commission, Formation of uranium precipitates, 2,878,100, 3-17-59, Cl. 23-14.5.  
 Gookin, Sylvester L., to United Shoe Machinery Corp., Work indexing mechanism for fastener inserting machines, 2,874,864, 2-24-59, Cl. 218-15.  
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 Goosman, Herbert J., to The Singer Mfg. Co., Belt guards for sewing machines, 2,906,223, 9-29-59, Cl. 112-261.  
 Goossens, Louis A., Reinforced concrete product machine, 2,896,297, 7-28-59, Cl. 25-41.  
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 Gordo, Fred L., and J. C. Widmont, Jr., to Paper Mate Mfg. Co., Tandem writing instruments, 2,910,045, 10-27-59, Cl. 120-42.1.  
 Gordon, Allen J., Ambulant discharge irrigating device, 2,893,643, 7-7-59, Cl. 239-177.  
 Gordon, Arthur F., to Dow Corning Corp., Method of preparing cyclic siloxanes, 2,884,432, 4-28-59, Cl. 260-448.2.  
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 Gordon, Bernard M., to Epsco, Inc., Frequency meter circuit, 2,905,895, 9-22-59, Cl. 324-79.  
 Gordon, Bernard M., to Laboratory for Electronics, Inc., Synchronized rate multiplier apparatus, 2,913,179, 11-17-59, Cl. 235-164.  
 Gordon, Bernard M., and R. L. Gibson, to Epsco, Inc., Indicating device, 2,908,900, 10-13-59, Cl. 340-319.  
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 Gordon, Carroll G., to Fletcher Aviation Corp., Hydraulic motor control, 2,884,904, 5-5-59, Cl. 121-39.  
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 Gordon, Charles W., to Combustion Engineering, Inc., Apparatus for drying comminuted coal containing fine particles and dust, 2,909,133, 10-20-59, Cl. 110-104.  
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 Gordon, David A., to The Dow Chemical Co., Alkenyl-substituted 2-hydroxybenzophenone stabilizers, 2,904,529, 9-15-59, Cl. 260-459.95.  
 Gordon, David A., to The Dow Chemical Co., Chloroethylene polymer and di-9-fluorenyl ethers or dibenzhydryl ethers, 2,906,727, 9-29-59, Cl. 260-45.7.  
 Gordon, David A., to The Dow Chemical Co., 2-allyloxy-5-chlorobenzophenone, 2,906,778, 9-29-59, Cl. 260-591.  
 Gordon, David A., to The Dow Chemical Co., Light stable haloethylene polymer compositions, 2,910,453, 10-27-59, Cl. 260-45.85.  
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 Gordon, Edward L., Dispenser cap, 2,894,660, 7-14-59, Cl. 222-108.  
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 Gordon, Garland R., and G. Savage, Jr., to General Dynamics Corp., Drafting apparatus, 2,873,535, 2-17-59, Cl. 33-189.  
 Gordon, George B., Flower holder, 2,890,546, 6-16-59, Cl. 47-41.  
 Gordon, Hayden S., to Applied Radiation Corp., Vacuum trap, 2,904,665, 9-15-59, Cl. 219-19.  
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 Gordon, John M., to Gilbert & Barker Mfg. Co. (Australia) Pty. Ltd., Means for operating liquid supply valves, 2,869,584, 1-20-59, Cl. 137-630.  
 Gordon, Joseph, and C. Woolf, to Allied Chemical Corp., Polymers of 2-difluorovinyl methyl ether, 2,870,222, 1-20-59, Cl. 260-615.  
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 Gordon, Lloyd L., to Electronic Associates, Inc., Cathode ray tube energizing circuit, 2,879,445, 3-24-59, Cl. 315-15.  
 Gordon, Murray A., to Berkeley Industries, Screen panel, 2,893,484, 7-7-59, Cl. 160-229.  
 Gordon, Philip L., and A. E. Cohen, to The Borden Co., Water paint comprising pigment and aqueous emulsion of polyvinyl acetate and waxy maize starch, 2,914,495, 11-24-59, Cl. 260-17.4.  
 Gordon, Philip N., to Chas. Pfizer & Co., Inc., Antimicrobial agents, 2,908,606, 10-13-59, Cl. 167-33.  
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 Gordon, William J. J.: See—  
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 Goren, Mayer B., and I. D. Elkins, to Kerr-McGee Oil Industries, Inc., Cation exchange material and its preparation, 2,885,336, 5-5-59, Cl. 208-6.  
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 Gores, Philip, to Chrysler Corp., Electrical switch and control mechanism, 2,881,278, 4-7-59, Cl. 200-61.89.  
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 Gorkas, Henry L., to International Business Machines Corp., System for deriving a phase error signal between two pulse trains, 2,897,363, 7-28-59, Cl. 250-27.  
 Gorham, George, to Conitech, Ltd., Pressure cage valve for respirators, 2,886,971, 5-19-59, Cl. 73-420.  
 Gorham, George, to Technicon International Ltd., Time delay control device for tissue processing machines, 2,894,482, 7-14-59, Cl. 118-11.  
 Gorin, Everett, to Consolidation Coal Co., Process for heat treating heat sensitive solid particles, 2,871,004, 1-27-59, Cl. 263-52.  
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 Gorth, Ernst E., Ventilating shutter, 2,887,034, 5-19-59, Cl. 95-88.  
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- Gossett, John M., M. H. Estep, Jr., and M. J. Perrine, to American-Marletta Co. Production of glue from soluble blood. 2,874,134, 2-17-59, Cl. 260—66.
- Gossler, Heinz. Utensil incorporating a writing implement and cigarette holder. 2,870,771, 1-27-59, Cl. 131—178.
- Gossling, Brian S.: See—  
Jones, David J., and Gossling. 2,881,104.
- Gotaas, Harold B., and W. J. Oswald, to The Regents of the University of California. Process of photosynthetic conversion of organic waste by algal-bacterial symbiosis. 2,807,945, 1-13-59, Cl. 47—58.
- Gotaas-Larsen, Inc.: See—  
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- Gotha, Daniel F., to O. S. Walker Co., Inc. Magnetic driver for annular work. 2,883,197, 4-21-59, Cl. 279—1.
- Gott, Earl A.: See—  
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- Gott, Richard F., and E. J. H. Lane. Quick attachment device. 2,883,930, 4-28-59, Cl. 102—2.
- Götte, Ernst: See—  
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Höpfner, Konrad, and Götte. 2,902,449.  
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- Gottfried, Louis, and J. Berger. Baby carriage. 2,917,339, 12-15-59, Cl. 290—35.
- Gottfried, Paul: See—  
McNaughton, John F., and Gottfried. 2,872,254.
- Gottlieb, Hans B., to E. I. du Pont de Nemours and Co. Phthalocyanine coloring matters in pigmentary form. 2,910,482, 10-27-59, Cl. 260—314.5.
- Gottlieb, Jack L. Multiple boring machines. 2,890,730, 6-16-59, Cl. 144—112.
- Gottlieb, Marvin, to Sperry Rand Corp. Electromechanical synchronizer. 2,909,319, 10-20-59, Cl. 235—61.11.
- Gottmanns, Heinz, to Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co. Multi-spindle worm-press. 2,887,720, 5-26-59, Cl. 18—12.
- Gottsacker, Raymond F.: See—  
Schaefer, Carl A., and Gottsacker. 2,902,551.
- Gottschalk, Warren E., and R. M. Lacock. Table construction. 2,905,334, 9-22-59, Cl. 211—135.
- Gottschall, Herbert A. Battery and method of making same. 2,904,614, 9-15-59, Cl. 136—133.
- Gottschall, Herbert A., S. F. Guggenheim, and P. J. Waznys. Potentiometer. 2,900,615, 8-18-59, Cl. 338—176.
- Gottschall, Herbert A., A. S. Louis, and S. F. Guggenheim. Potentiometer. 2,908,882, 10-13-59, Cl. 338—131.
- Gottschall, Adolph, Inc.: See—  
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- Gottschall, Alfred M., to General Cigar Co., Inc. Tobacco products and process therefor. 2,897,103, 7-28-59, Cl. 131—17.
- Gottschall, Ira S.: See—  
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- Gottschall, Ira S., and M. Hirschey, to Dennison Mfg. Co. Transfer labeling apparatus. 2,874,499, 2-24-59, Cl. 41—1.
- Gottschall, Ira S., and M. Hirschey, to Adolph Gottschall, Inc. Ink rollers. 2,887,952, 5-26-59, Cl. 101—367.
- Gottschall, Ira S., M. Hirschey, and A. J. Alessi, Jr., to Adolph Gottschall, Inc. Marking devices. 2,901,968, 9-1-59, Cl. 101—35.
- Gottschall, Ira S., M. Hirschey, and A. J. Alessi, Jr., to Adolph Gottschall, Inc. Marking devices. 2,901,972, 9-1-59, Cl. 101—350.
- Gottshall, Ralph I., and R. T. Kern, Jr., to Gulf Oil Corp. New chemical compounds and mineral oil compositions containing the same. 2,902,499, 9-1-59, Cl. 260—404.5.
- Gottshall, Ralph I., and M. L. Hill, Jr., to Gulf Oil Corp. Stable distillate fuel oil compositions. 2,905,541, 9-22-59, Cl. 44—72.
- Gottshall, Ralph I., and M. L. Hill, Jr., to Gulf Oil Corp. Stable distillate fuel oil compositions. 2,905,542, 9-22-59, Cl. 44—72.
- Gottwald, Walter: See—  
Bruckner, Paul, Capeller, Erk, Gottwald, Heyser, Schmitz, and Vedder. 2,892,062.
- Gotz, Armin: See—  
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- Götzfried, Konrad. Process and apparatus for spinning a yarn. 2,911,783, 11-10-59, Cl. 57—58.95.
- Gotzinger, Franz: See—  
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- Goudy, Paul R., and H. P. Stock, to Square D Co. Contact holder. 2,885,516, 5-5-59, Cl. 200—166.
- Gough, Alfred B., and C. N. Weller, to General Electric Co. High efficiency floodlight projector. 2,913,570, 11-17-59, Cl. 240—3.
- Gough, Sidney W., and J. A. Morgan, to Dunlop Tire and Rubber Corp. Machines for testing pneumatic tires. 2,869,362, 1-20-59, Cl. 73—146.
- Goulrand, Rene. Pneumatic suspension for motor vehicles. 2,877,010, 3-10-59, Cl. 267—15.
- Goulrand, Rene. Pneumatic vehicle suspension. 2,882,067, 4-14-59, Cl. 280—104.3.
- Goulrand, Rene. Combination chassis frame and pneumatic suspension for vehicles. 2,914,339, 11-24-59, Cl. 280—124.
- Gould, Alex, to G & S Metal Products Co., Inc. Floating skimmer. 2,913,117, 11-17-59, Cl. 210—242.
- Gould, Charles C., and E. G. Anger, to Square D Co. Motor regulator systems. 2,911,580, 11-3-59, Cl. 318—327.
- Gould, David H.: See—  
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- Gould, David H., H. Reimann, and L. E. Finckenor, to Schering Corp. 9,11-dihydro-4-pregnenes and 1,4-pregnenes. 2,894,063, 7-14-59, Cl. 260—397.45.
- Gould, David H., H. L. Herzog, and E. B. Hershberg, to Schering Corp. 11,17-disubstituted 3-keto- $\Delta^4$ -androstatrienes. 2,899,447, 8-11-59, Cl. 260—397.3.
- Gould, David H., E. B. Hershberg, and E. Shapiro, to Schering Corp. 14a-hydroxy pregnatrienes. 2,900,400, 8-18-59, Cl. 260—397.45.
- Gould & Eberhardt, Inc.: See—  
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- Gould, Eugene: See—  
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- Gould, Jack R.: See—  
Felberg, Robert S., and Gould. 2,900,788.
- Gould, Jack U., to Ferdinand Gutmann & Co. Closures for packages of biological products. 2,891,689, 6-23-59, Cl. 215—38.
- Gould, Jay P. Well head. 2,889,886, 6-9-59, Cl. 166—89.
- Gould, Jay P. Deep well pumping actuator. 2,918,014, 12-22-59, Cl. 103—46.
- Gould-National Batteries, Inc.: See—  
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- Gould, Ralph L. Safety air gun. 2,917,244, 12-15-59, Cl. 239—291.
- Gould, Richard E., to General Motors Corp. Automobile refrigerating apparatus. 2,884,768, 5-5-59, Cl. 62—225.
- Gould, Richard E., to General Motors Corp. Vehicle refrigerating apparatus. 2,911,798, 11-10-59, Cl. 62—180.
- Gould, Samuel, to GHS Neon Sign Co. Control unit. 2,877,384, 3-10-59, Cl. 315—183.
- Gould, Thelma. Pre-assembled bath room unit. 2,907,048, 10-6-59, Cl. 4—2.
- Goulding Mfg. Co.: See—  
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- Goumenouk, Gleb I., to Rice Barton Corp. Fluid stock distributor. 2,894,581, 7-14-59, Cl. 162—339.
- Gouner, Aubrey L., to Wembley, Inc. Device for advertising and displaying neckties. 2,910,214, 10-27-59, Cl. 223—87.
- Gouner, Aubrey L., to Wembley, Inc. Necktie ornamentation. 2,918,678, 12-22-59, Cl. 2—144.
- Gourley, Lockie W. Soil sampling device. 2,891,812, 6-23-59, Cl. 294—50.6.
- Gournay, Luke S., to Socony Mobil Oil Co., Inc. Gamma ray collimating device. 2,871,367, 1-27-59, Cl. 250—105.
- Govan, Roy H., and H. J. Meek, to Jaroco Engineering Co. Hydraulic system. 2,875,871, 3-3-59, Cl. 192—3.
- Govan, Roy H., and H. J. Meek, to Jaroco Engineering Co. Hydraulic system for control of a valve and follow-up indicator. 2,888,029, 5-26-59, Cl. 137—344.
- Govan, Roy H., and H. J. Meek, to Jaroco Engineering Co. Control system for valves. 2,918,085, 12-22-59, Cl. 137—557.
- Govan, William L., to Baldwin-Lima-Hamilton Corp. Production of shapes of varying cross-section. 2,899,053, 8-11-59, Cl. 207—2.
- Govang, James A., to The New Haven Board & Carton Co. Shipping and dispensing cartons. 2,909,310, 10-20-59, Cl. 229—17.
- Gow, Arthur R., and P. S. Madsen, to The Seamless Rubber Co. Athletic ball. 2,906,533, 9-29-59, Cl. 273—65.
- Gow, Quinn W. Radial flow electric fan. 2,905,377, 9-22-59, Cl. 230—250.
- Gow, Quinn W. Scalp and hair treatment apparatus. 2,914,066, 11-24-59, Cl. 128—66.
- Gow, Robert S., J. F. Williamson, deceased, by A. J. Williamson, executrix, to Imperial Chemical Industries Ltd. Penterythritol tetranitrate. 2,867,647, 1-6-59, Cl. 260—467.
- Gower, Howard D.: See—  
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- Gower, Hubert L.: See—  
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- Gowing, Bertram T.: See—  
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- Goy, Dieter: See—  
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- Goy, Gerhard and D., to H. Wunder. Safety release for ski bindings. 2,907,574, 10-6-59, Cl. 280—11.35.
- Goyert, Philip R. Package and device for packaging containers. 2,891,664, 6-23-59, Cl. 206—65.
- Goyette, Ernest A. Smokers pipe rack. 2,907,469, 10-6-59, Cl. 211—60.
- Goyette, Louis E. Automatic resetting apparatus. 2,909,614, 10-20-59, Cl. 179—84.
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- Grab, Werner: See—  
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- Grabe, Clarence G., to National Valve & Mfg. Co. Swinging pipe hanger. 2,905,417, 9-22-59, Cl. 248—60.
- Grabenstein, Robert J.: See—  
Broge, Robert W., and Grabenstein. 2,876,168.
- Grabner, Carl D.: See—  
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- Deaton, Charles U., and Grabner. 2,869,483.
- Grabner, Carl D., and H. C. Badeneil, to Diebold, Inc. Vault door seating and bolting mechanism. 2,918,883, 12-29-59, Cl. 109—61.
- Grabner, Dale D.: See—  
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- Grabner, John N., to Grabner Mfg. Co., Inc. Adjustable drapery hook with track. 2,901,795, 9-1-59, Cl. 24—81.
- Grabner Mfg. Co., Inc.: See—  
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- Grabner, Robert P., and C. S. Snoddy, Jr., to Merck & Co., Inc. Purification process for 9a-fluorohydrocortisone compounds. 2,876,238, 3-3-59, Cl. 260—397.45.
- Grabner, Robert P., and C. S. Snoddy, Jr., to Merck & Co., Inc. Process for preparing 9a-fluoro steroids. 2,894,007, 7-7-59, Cl. 260—397.45.
- Grabner, Walter, to American Tool Engineering, Inc. Turret type vertical milling machine. 2,901,940, 9-1-59, Cl. 90—14.
- Grabill, Ernest C.: See—  
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- Grabinski, Joseph J.: See—  
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- Grable, Donovan B. and L. C. Net type fishing apparatus. 2,891,342, 6-23-59, Cl. 43—8.
- Grable, Linda C.: See—  
Grable, Donovan B. and L. C. 2,891,342.
- Grabove, Herman. Multiple unit closure device. 2,877,841, 3-17-59, Cl. 160—91.
- Grabow, Fritz: See—  
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- Grabowski, Leonard R., to General Motors Corp. Lifting jack. 2,876,990, 3-10-59, Cl. 254—98.
- Grace, Billy J., to Motorola, Inc. Transistor horn. 2,910,689, 10-27-59, Cl. 340—384.
- Grace, Francis C. Television control system. 2,886,636, 5-12-59, Cl. 178—7.2.
- Grace, John M. Key chain. 2,901,903, 9-1-59, Cl. 70—457.
- Grace, Karl. Truck raising and supporting mechanism. 2,875,980, 3-3-59, Cl. 254—86.
- Grace, W. R., & Co.: See—  
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- Alholm, Wayne L., Campbell, Foye, Lynn, and Shanklin. 2,907,300.
- Baral, Leon L. 2,904,521.
- Christian, John D., and Lard. 2,905,671.
- Dröyfus, Robert L., Howe, and Perdue. 2,904,943.
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- Fitch, Frederick T. 2,895,977.
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- Foye, Allen B. 2,880,900.
- Greenlie, David G. 2,910,041.
- Hayes, Norman J., and Ross. 2,897,094.
- Hemphill, Adley W. 2,879,546.
- Heyl, Edgar G., and Hitov. 2,885,105.
- Hurley, Forrest R. 2,901,511.
- Ospow, Lloyd L., and York. 2,903,445.
- Ospow, Lloyd L., and York. 2,903,446.
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- Pearce, George W., and Johnson. 2,886,928.
- Rainer, William C., Redding, Hitov, Sloan, and Stewart. 2,877,500.
- Rainer, William C., Redding, Hitov, Sloan, and Stewart. 2,878,174.
- Rainer, William C., Redding, Hitov, Sloan, and Stewart. 2,904,480.
- Rudner, Bernard. 2,889,366.
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- Rudner, Bernard. 2,899,424.
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- Rumsey, Herbert, Jr. 2,908,576.
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- Selby, Meyer S., and Baush. 2,891,870.
- Wilson, Charles P. 2,901,440.
- Wynall, Milton E. 2,886,512.
- Gracier, Charles W. Wall and floor covering sample display device. 2,890,531, 6-16-59, Cl. 35—53.
- Grad, Adolf R., to The Oilgear Co. Pumping unit. 2,901,975, 9-1-59, Cl. 103—4.
- Grad, Adolph R., to The Oilgear Co. Piston and connecting rod assembly. 2,918,338, 12-22-59, Cl. 309—20.
- Gradishar, Frederick J., to E. I. du Pont de Nemours and Co. Process for brominating and fluorinating halogenated methanes in a refractory alumina reaction zone. 2,875,254, 2-24-59, Cl. 260—653.8.
- Gradwohl, Violet L., to Terri Lee, Inc. Doll construction. 2,879,626, 3-31-59, Cl. 46—159.
- Grady, Charles B., Jr.: See—  
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- Grady, Charles B., Jr., to Monroe Calculating Machine Co. Carriage control of electrical readout means. 2,917,233, 12-15-59, Cl. 235—60.38.
- Grady, Claude. Portable drawing board. 2,896,328, 7-28-59, Cl. 33—80.
- Grady, Dennis, H. Bates, and J. W. Fisher, to British Celanese Ltd. Manufacture of cellulose ester materials. 2,872,331, 2-3-59, Cl. 106—178.
- Grady, Francis H., to General Motors Corp. Transmission control indicator mechanism. 2,869,506, 1-20-59, Cl. 119—124.
- Grady, Francis H., to General Motors Corp. Vehicle controls. 2,896,470, 7-28-59, Cl. 74—484.
- Grady, Lester D., to The New Jersey Zinc Co. Method of separating titanium crystals. 2,875,033, 2-24-59, Cl. 75—3.
- Grady, Maurice J. Supplemental seat for vehicles. 2,886,093, 5-12-59, Cl. 155—13.
- Graef, Charles G., T. Fisher, and G. Deckman, to O & M Machine Co., Inc. Hose clamp. 2,915,800, 12-8-59, Cl. 24—279.
- Graef, Edward L. Wall molding forms for making a reinforced concrete wall. 2,899,735, 8-18-59, Cl. 25—131.
- Graef, John N., to David White Co. Photoflash apparatus and circuit. 2,899,880, 8-18-59, Cl. 95—11.5.
- Graef, John R.: See—  
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- Graef, Rudolf F., and L. A. von Bogdandy, to Huttenwerk Oberhausen Akt. Method and arrangement for refining metal baths in rotary furnaces. 2,883,279, 4-21-59, Cl. 75—59.
- Graef, Robert P., to Bell Telephone Laboratories, Inc. Mu-beta measurement in feedback systems. 2,909,620, 10-20-59, Cl. 179—171.
- Graell, Alberto C. Control circuit for electrical discharge metal machining apparatus. 2,891,137, 6-16-59, Cl. 219—69.
- Graesser, David A., to The Singer Mfg. Co. Feed regulating and adjusting mechanisms. 2,877,727, 3-17-59, Cl. 112—210.
- Graf, Ernest H. H.: See—  
Finally, John M., and Graf. 2,902,875.
- Graf, Frank J., to Sportsman Products Co. The Sportsman's lantern holder. 2,867,403, 1-6-59, Cl. 248—310.
- Graf, Martin, to Grob & Co. Akt. Harness frame for looms. 2,897,844, 8-4-59, Cl. 139—91.
- Graf, Robert D.: See—  
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- Graf, George B., Co.: See—  
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- Graf, Richard A., and F. X. Schaller, Jr., to Armstrong Cork Co. Closure affixing device. 2,903,832, 9-15-59, Cl. 52—320.
- Grafex, Inc.: See—  
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- Gorey, Archie H. 2,895,391.
- Gorey, Archie H. 2,906,186.
- Smith, Clarence E., Nerwin, and Moore. 2,902,913.
- Steiner, Oscar, and Dalton. 2,888,868.
- Grafried, Emil: See—  
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- Graft, William H.: See—  
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- Grageroff, Ignace A., to V. A. Amorelly. Process of manufacturing nitrostarch. 2,883,376, 4-21-59, Cl. 260—233.5.
- Gragson, James T.: See—  
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- Graham, Alexander B., to The International Nickel Co., Inc. Manufacture of hollow turbine blades. 2,914,841, 12-1-59, Cl. 29—156.8.
- Graham, Archibald R.: See—  
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- Graham, Archibald R., to The Distillers Co. Ltd. Purification of aliphatic acids. 2,884,451, 4-28-59, Cl. 260—540.
- Graham, Arthur H., and S. S. Staley, said Graham assor. of 1/4 to Tank Service and Construction Co. Floating roof seals. 2,884,156, 4-28-59, Cl. 220—26.
- Graham, Benjamin. Mathematical instrument for dividing angles into equal parts and for performing related mathematical operations. 2,892,586, 6-30-59, Cl. 235—61.
- Graham, Bernard A., to Sunbeam Corp. Index marker. 2,888,899, 6-2-59, Cl. 116—135.
- Graham, Bert A. Fold away iron holder. 2,904,296, 9-15-59, Cl. 248—117.7.
- Graham, Boynton, to E. I. du Pont de Nemours and Co. Non-woven sheet material. 2,909,456, 10-20-59, Cl. 154—124.
- Graham, Bruce, to Ethyl Corp. Condensation of P-monoaminomethyl-benzoic acid and epsilon-caprolactam. 2,868,769, 1-13-59, Cl. 260—78.
- Graham, Bruce, to Ethyl Corp. Condensation polymers. 2,918,454, 12-22-59, Cl. 260—78.



- Graham, Clifford P., to Texstream Corp. High-pressure valve assembly. 2,868,497, 1-13-59, Cl. 251-172.
- Graham, Clifford P., to Texstream Corp. Plug valve. 2,892,610, 6-30-59, Cl. 251-175.
- Graham, Connelly L., to Northrop Corp. Attack deviation device. 2,898,588, 8-4-59, Cl. 343-18.
- Graham, Dallas P.: See—
- Swanson, James A., and Graham. 2,906,515.
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- Hort, Eugene V., and Graham. 2,883,393.
- Graham, David E., to General Aniline & Film Corp. Catalytic reduction of aromatic polynitro compounds. 2,894,036, 7-7-59, Cl. 260-580.
- Graham, David E., and E. V. Hort, to General Aniline & Film Corp. Process for the preparation of 1-nitroanthraquinone. 2,874,168, 2-17-59, Cl. 260-369.
- Graham, David E., and P. O. Shull, to General Aniline & Film Corp. Stabilized phenylene diamines. 2,886,597, 5-12-59, Cl. 260-578.
- Graham, Dean M., to The Upjohn Co. Metering device for squeeze-type container. 2,904,227, 9-15-59, Cl. 222-207.
- Graham, Donald C., to General Electric Co. T-joint for a magnetic core. 2,912,660, 11-10-59, Cl. 336-215.
- Graham, Edward S. Sludge bed cleaner. 2,907,124, 10-6-59, Cl. 37-8.
- Graham, Eldon L.: See—
- Bauman, William C., and Graham. 2,900,269.
- Graham-Enock Mfg. Co. Ltd.: See—
- Enock, Arthur G., and Longville. 2,897,988.
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- Graham, Eugene J., to Kenn Equipment Co. Screen process printing machine. 2,881,698, 4-14-59, Cl. 101-123.
- Graham, Fletcher G. Hot line by-pass jumper. 2,874,364, 2-17-59, Cl. 339-109.
- Graham, Frank A., to Slide-O-Matic Unloader Corp. Stabilizing means for truck. 2,891,652, 6-23-59, Cl. 212-145.
- Graham, Galen E., to Armstrong Cork Co. Fast-curing lino-leum composition containing polymethylol phenols. 2,912,395, 11-10-59, Cl. 260-19.
- Graham, Galen E., to Armstrong Cork Co. Fast-curing lino-leum composition. 2,918,441, 12-22-59, Cl. 260-19.
- Graham, Galen E., and J. A. Parker, to Armstrong Cork Co. Composition containing diisocyanate-modified polyester, polymerized vinyl halide, filler and aromatic diisocyanate. 2,893,969, 7-7-59, Cl. 260-454.
- Graham, George C.: See—
- Montgomery, Clarence G. 2,898,002.
- Graham, George C. Carving board and meat lock. 2,888,054, 5-26-59, Cl. 146-216.
- Graham, George C., Jr.: See—
- Bigelow, Norman E. 2,873,466.
- Gordon, William J. J., and Graham. 2,879,769.
- Graham, George C., Jr., to Personal Products Corp. Catalytic device. 2,879,770, 3-31-59, Cl. 128-263.
- Graham, James W.: See—
- Craner, Ray A., Goertz, and Graham. 2,914,587.
- Graham, John W., to Kennametal Inc. Corrosion-resistant alloy. 2,867,033, 1-6-59, Cl. 29-1827.
- Graham, John W., and F. M. Perkins, Jr., C. L. Prokop, and R. A. Salathiel, to Jersey Production Research Co. Well logging method. 2,873,423, 2-10-59, Cl. 324-1.
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- Graham, William: See—
- Long, Alan G., and Graham. 2,904,565.
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- Zorn, Ralph A. 2,903,357.
- Grajeck, Edwin J.: See—
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- Gralewicz, Sigmund J. Supports for material in roll form. 2,903,199, 9-8-59, Cl. 242-45.2.
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- Grams, William R., to General Electric Co. Method of bonding metal borides to graphite. 2,900,281, 8-18-59, Cl. 117-216.
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- Granata, Anthony J., to Air Reduction Co., Inc. Removing fins from molded products. 2,881,571, 4-14-59, Cl. 51-164.
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- Grange, Alban J., to Radio Corp. of America. Control system. 2,902,687, 9-1-59, Cl. 340-345.
- Granger, Fred L., to Union Carbide Corp. High density barrier film separators. 2,872,408, 2-3-59, Cl. 136-146.
- Granger, Kenneth H. Detachable sunshades for eyeglasses. 2,901,752, 9-1-59, Cl. 2-13.
- Granger, William T.: See—
- Gehrke, Forrest E., and Granger. 2,867,032.
- Granirer, Louis W.: See—
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- Granite City Steel Co.: See—
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- Granryd, Thorvald G., to The Frank G. Hough Co. Tractor loaders. 2,873,626, 2-17-59, Cl. 74-765.
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- Grant, Arthur W.: See—
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- Grant, Abraham, to De Havilland Propellers Ltd. Alternators and/or associated filter networks. 2,917,699, 12-15-59, Cl. 322-58.
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- Grant Co., The: See—
- Zuro, John M. 2,919,134.
- Grant Development Co.: See—
- Care, Richard L. 2,869,776.
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- Grant, Gardner L., and Care. 2,896,761.
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- Miller, Harry R. 2,881,775.
- Grant, Max L., and Miller. 2,884,188.
- Grant, Earl W., to Statham Instruments, Inc. Inductive transducer. 2,885,644, 5-5-59, Cl. 336-119.
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- Grant, Eugene F., to National Co., Inc. Microwave signal generating system. 2,883,540, 4-21-59, Cl. 250-36.
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- Grant, Gardner L., and R. L. Care, to Grant Development Co. Toll collection hopper. 2,896,761, 7-28-59, Cl. 193-2.
- Grant, Gordon A., C. von Seemann, and S. O. Winthrop, to American Home Products Corp. Basic esters of substituted pyrimidine-4-carboxylic acids and their preparation. 2,876,224, 3-3-59, Cl. 260-256.4.
- Grant, Harry C., Jr. Simulated baseball game apparatus. 2,901,253, 8-25-59, Cl. 273-88.
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- Grant, Jesse R. Cartons for eggs. 2,885,136, 5-5-59, Cl. 229-2.5.
- Grant, John A., to Owens-Corning Fiberglass Corp. Metal coated glass fiber combinations. 2,915,806, 12-8-59, Cl. 28-81.
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- Grant, Michael G., and G. J. Topol, to Bowser, Inc. Filter-dehydrator. 2,919,030, 12-29-59, Cl. 210-488.
- Grant-Murray, Inc.: See—
- Murray, John M. 2,885,807.
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- Goetzel, Claus, G., Grant, Skolnick, and Yoblin. 2,899,338.
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- Grant, Phillip J. Safety guard for insecticide containers. 2,893,160, 7-7-59, Cl. 43-131.
- Grant Pulley & Hardware Corp.: See—
- Levine, Mark. 2,869,171.
- Grant, Robert D.: See—
- Nelson, Frederick F. 2,885,133.
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- Grantham, Donald: See—
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- Grantham, Richard L., and C. Liu, to Richfield Oil Corp. Purification of toluic acid. 2,894,955, 7-14-59, Cl. 260-525.
- Grantham, Rodney E., and J. W. Dorsett, Jr., to United States of America, Navy. Broad-band hybrid junction. 2,903,653, 9-8-59, Cl. 333-11.
- Grantham, William G., to American Viscose Corp. Nitrocellulose type coatings for cellulosic base films. 2,888,368, 5-26-59, Cl. 117-145.
- Granzow, Carl A. Cable stripping tool. 2,871,739, 2-3-59, Cl. 81-9.5.
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- Baer, John S., and Grapes. 2,917,331.
- Graphic Arts Research Foundation, Inc.: See—
- Garth, William W., Jr. 2,888,865.
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- Graser, Michael, Jr., to General Electric Co. Synchronous detector. 2,884,522, 4-28-59, Cl. 250-27.
- Grashoff, Adolph W., and G. M. Arthur, to Essex Wire Corp. Rotary multi-position switch. 2,878,330, 3-17-59, Cl. 200-8.
- Grashow, Joseph, to The Quick-Mount Mfg. Co., Inc. Automobile antenna apparatus. 2,917,743, 12-15-59, Cl. 343-713.
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- Grass, Albert M., to United States of America, Navy. Automatic range tracking apparatus. 2,901,746, 8-25-59, Cl. 343-13.
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- Grass, Otto R., to Rubber Teck, Inc. Connector for flexibly connecting tubing. 2,883,211, 4-21-59, Cl. 285-233.
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- Grasslander (1957) Ltd.: See—
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- Grassmann, Wolfgang, and K. Hannig. Method and apparatus for electrophoretic separation of mixtures of substances. 2,888,392, 5-26-59, Cl. 204-180.
- Grasso, Flavio J., and W. S. Dow, Jr., to Harvel Research Corp. Chlorinated pinene-formaldehyde reaction product and composition containing same. 2,885,376, 5-5-59, Cl. 260-29.8.
- Grasso, Frank. Device for radiating the mouth. 2,884,926, 5-5-59, Cl. 128-395.
- Grater, Vivian S.: See—
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- Gratlian, Joseph W., to General Dynamics Corp. Reproducing means for magnetic recording apparatus. 2,881,263, 4-7-59, Cl. 179-100.2.
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- Grau, Jaime C. Blind arrangement. 2,912,048, 11-10-59, Cl. 160-133.
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- Graustein, Walter W., Jr., to Carter Mfg. Corp. Variable resistor. 2,884,506, 4-28-59, Cl. 201-56.
- Graville, Theodore E., and W. J. Johnson. Circle bowling game. 2,887,320, 5-19-59, Cl. 273-126.
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- Graves, David M.: See—
- Kish, Steven P., Donnell, and Graves. 2,878,063.
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- Graves, Edward B., to Picker X-Ray Corp. Waite Mfg. Division, Inc. X-ray tube with variable focal spot and control means therefor. 2,878,393, 3-17-59, Cl. 250-99.
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- Graves, Jeremiah C. and F. W. 2,902,065.
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- Graves, Charles B. and G. W. 2,888,307.
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- Graves, Herbert C., Jr., to Gibson Electric Co. Solder joint containing metallic particles. 2,909,643, 10-20-59, Cl. 219-117.
- Graves, Howard E.: See—
- Beal, Charles T., and Graves. 2,910,818.
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- Butler, Arthur N., and Graves. 2,871,929.
- Graves, Jeremiah C. and F. W. Power saw blade anchoring device. 2,902,065, 9-1-59, Cl. 143-32.
- Graves, John W., Jr.: See—
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- Graves, Samuel F. Tube reducing machine. 2,882,851, 4-21-59, Cl. 113-52.
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- Thurby, Leslie T., and Collins. 2,909,668.
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- Gravley, Charles K.: See—
- Williams, Alfred L. W., and Gravley. 2,892,107.
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- Gravley, Wilton: See—
- Summers, Gerald C., and Gravley. 2,897,478.
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- Gray, Alfred E., H. J. Mallin, and H. B. Thompson, to The Magnavox Co. Data processing apparatus. 2,883,188, 4-21-59, Cl. 271-4.
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- Gray, Alvin N.: See—
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- Gray, Charles R., to Philco Corp. Gettering units for electron tubes. 2,880,348, 3-31-59, Cl. 313-176.
- Gray, Coy J., to Deering Milliken Research Corp. Dyeing proteinaceous and nylon materials. 2,900,218, 8-18-59, Cl. 8-54.
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- Gray, Franklin L. Cartridge dispenser. 2,902,196, 9-1-59, Cl. 224-15.
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- Gray, G. A. Co., The: See—
- Walter, John M. 2,868,084.
- Walter, John M., and Worthen. 2,881,527.
- Gray, Gene W. Garment retainer. 2,891,705, 6-23-59, Cl. 223-58.
- Gray, Geoffrey T.: See—
- Moring, Walter G., Jr., and Gray. 2,895,337.
- Gray, George W.: See—
- Flory, Leslie E., Gray, Jensen, and Pike. 2,892,056.
- Lindstedt, Frank F. 2,887,444.
- Gray, George W., to Radio Corp. of America. Phase stabilized pulse generator. 2,897,350, 7-28-59, Cl. 250-27.
- Gray, George W., to Radio Corp. of America. Pulse production apparatus. 2,908,815, 10-13-59, Cl. 250-27.
- Gray, Harry C.: See—
- Meyer, Robert E., Bristol, and Gray. 2,913,875.
- Gray, Harry C., to Summit Container Co. Machine having seaming rolls for securing preassembled rings to ends of container side wall. 2,902,075, 9-1-59, Cl. 153-1.
- Gray, James A., to A. Gray. Submerged flushing device. 2,867,820, 1-13-59, Cl. 4-41.
- Gray, James A., to A. Gray. Flushing device. 2,868,493, 1-13-59, Cl. 251-49.
- Gray, James A., to Royal McBee Corp. Typewriter ribbon changing apparatus. 2,873,015, 2-10-59, Cl. 197-151.
- Gray, James A., to A. Gray. Toilet flusher. 2,882,533, 4-21-59, Cl. 4-41.
- Gray, James A., to A. Gray. Typewriter ribbon attachment. 2,883,029, 4-21-59, Cl. 197-162.
- Gray, James J., to Imperial Chemical Industries Ltd. Method of manufacturing titanium. 2,903,350, 9-8-59, Cl. 75-84.5.
- Gray, John A., to Imperial Chemical Industries Ltd. Process for treatment of boiler feed water. 2,872,414, 2-3-59, Cl. 210-55.
- Gray, John A., and E. K. Bee, to Westinghouse Electric Corp. Machine for processing the reflectors of sealed-beam lamps. 2,884,887, 5-5-59, Cl. 113-59.
- Gray, John W.: See—
- Berger, France B., Tull, and Gray. 2,908,903.
- Chapman, Leslie R., Jr., Gray, and Jacobson. 2,872,074.
- Gray, John W., to General Precision Laboratory Inc. Phase sensitive rectifier. 2,869,006, 1-13-59, Cl. 307-149.
- Gray, John W., to General Precision Laboratory Inc. Motor differential frequency integrator. 2,898,531, 8-4-59, Cl. 318-70.
- Gray, John W., to General Precision Laboratory Inc. Frequency marking circuit. 2,900,599, 8-18-59, Cl. 324-78.
- Gray, John W., and E. G. Newsom, to General Precision Laboratory Inc. Automatic signal frequency tracker. 2,870,331, 1-20-59, Cl. 250-36.
- Gray, John W., and G. W. Michalec, to General Precision Laboratory Inc. Fix corrector for marine automatic dead reckoning. 2,882,602, 4-21-59, Cl. 33-46.
- Gray, John W., and H. L. Hunter, 3rd, to General Precision Laboratory Inc. Inverter. 2,889,470, 6-2-59, Cl. 307-108.
- Gray, John W., E. B. Hales, and I. A. Greenwood, Jr., to General Precision Laboratory Inc. World wide navigational system. 2,908,902, 10-13-59, Cl. 343-7.

- Gray, Norman A., to Schlick Inc. Electric shaver inner cutter. 2,915,816, 12-8-59, Cl. 30-43.
- Gray, Philip J.: See—
- Francis, Samuel A., and Gray. 2,911,572.
- Gray, Philip P.: See—
- Stone, Irwin M., Gray, and Morawetz. 2,912,333.
- Gray, Philip P., and I. Stone, to Baxter Laboratories, Inc. Inhibiting precipitation in malt beverages. 2,906,623, 9-29-59, Cl. 99-48.
- Gray Research and Development Co., Inc.: See—
- Barstrom, Knut A., and Klebba. 2,887,353.
- Gray, Richardson: See—
- Osofsjak, Boris M., and Gray. 2,896,935.
- Gray, Robert B., to American Meter Co., Inc. Gas meter diaphragm. 2,874,569, 2-24-59, Cl. 73-279.
- Gray, Robert B., to Erie Resistor Corp. Method of making printed circuit panels. 2,912,748, 11-17-59, Cl. 29-155.5.
- Gray, Robert F., to Continental Can Co., Inc. Spray tube and nozzle assembling machine. 2,913,816, 11-24-59, Cl. 29-208.
- Gray, Robert L., to Burroughs Corp. Thyatron pulser for inductive loads. 2,874,333, 2-17-59, Cl. 315-163.
- Gray, Robert L., to Burroughs Corp. Semi-conductor adder. 2,892,009, 6-23-59, Cl. 307-88.5.
- Gray, Ronald V., to Herbert H. Johnson and to Orland W. Tange. Variable rotary power-transmitting apparatus. 2,916,924, 12-15-59, Cl. 74-217.
- Gray, Russell H., to E. I. du Pont de Nemours and Co. Photographic elements and processes. 2,878,121, 3-17-59, Cl. 96-29.
- Gray, Russell H., and V. J. Webers, to E. I. du Pont de Nemours and Co. Acrylic copolymers containing quaternary ammonium and tertiary amine salt units. 2,892,822, 6-30-59, Cl. 260-86.1.
- Gray, Samuel A., and H. P. Carter. Apparatus for indicating and recording the dimensions of lumber. 2,885,787, 5-12-59, Cl. 33-174.
- Gray, Sidney, to Radio Corp. of America. Interference type optical filters utilizing calcium fluoride. 2,869,010, 1-13-59, Cl. 313-65.
- Gray, Sidney, to Radio Corp. of America. Wide-band interference light filter. 2,871,371, 1-27-59, Cl. 250-226.
- Gray, Sidney, to Radio Corp. of America. Color filters. 2,873,397, 2-10-59, Cl. 313-65.
- Gray Tool Co.: See—
- Watts, John D., Lefevre, and Hill. 2,867,453.
- Gray, Walter E., Jr., to General Electric Co. Laundry machine including improved heater and condenser arrangement. 2,880,521, 4-7-59, Cl. 34-75.
- Gray, Walter E., Jr., to General Electric Co. Combination washer and dryer. 2,892,334, 6-30-59, Cl. 68-12.
- Gray, Walter E., Jr., to General Electric Co. Laundry machine with forced air circulation system. 2,892,335, 6-30-59, Cl. 68-16.
- Gray, Walter E., Jr., and K. A. Larkin, to General Electric Co. Variable fill control for automatic washer. 2,869,347, 1-20-59, Cl. 68-207.
- Gray, Walter E., Jr., and O. P. Falkenstein, to General Electric Co. Combination washer and dryer with condenser means. 2,873,537, 2-17-59, Cl. 34-75.
- Gray, Walter W.: See—
- Tod, Allan H., and Gray. 2,883,250.
- Tod, Allan H., and Gray. 2,900,985.
- Gray, Warren E., to Lockheed Aircraft Corp. Spherical bearing. 2,904,568, 9-29-59, Cl. 308-72.
- Graybeal, La Verne R.: See—
- Bley, Rudolph S., Carter, Edgar, Graybeal, and Schmidt. 2,898,627.
- Graybeal, Warren E.: See—
- Greller, Nelson P., and Graybeal. 2,868,394.
- Graybill, Clarence W., and S. H. Support. 2,867,402, 1-6-59, Cl. 248-226.
- Graybill, Clinton L. Fluid motor with piston actuated reversing valve means. 2,868,177, 1-13-59, Cl. 121-123.
- Graybill, Clinton L., to Graybill Industries, Inc. Hydraulic transmission mechanism. 2,897,688, 8-4-59, Cl. 74-687.
- Graybill Industries, Inc.: See—
- Graybill, Clinton L. 2,897,688.
- Graybill, Kenneth W., and H. Sengbusch, to General Telephone Laboratories, Inc. Crossbar switch. 2,917,587, 12-15-59, Cl. 179-27.54.
- Graybill, Paul J. Reclosable containers. 2,872,097, 2-3-59, Cl. 229-44.
- Graybill, Silas H.: See—
- Graybill, Clarence W., and S. H. 2,867,402.
- Graydon, William F. Cation exchange resin membranes by hydrolysis of styrene sulfonic ester or amide copolymers. 2,877,191, 3-10-59, Cl. 260-2.2.
- Grayhill: See—
- Scherry, George A. 2,892,177.
- Scherry, George A. 2,900,662.
- Graziano, Vincent. Soap holder. 2,879,622, 3-31-59, Cl. 45-28.
- Greaney, Thomas J., and W. K. Roquemore, to Esso Research and Engineering Co. Catalytic process. 2,891,903, 6-23-59, Cl. 208-74.
- Greenias, Evon C.: See—
- Ross, Thomas I., and Greenias. 2,919,425.
- Greenias, Evon C., to International Business Machines Corp. Code translating device. 2,881,976, 4-14-59, Cl. 235-61.
- Greenias, Evon C., to International Business Machines Corp. Variable voltage level discriminator varying with the input voltage level. 2,885,531, 5-5-59, Cl. 250-27.
- Greear, Jay W., Jr., to United States of America, Atomic Energy Commission. Electric contact means. 2,877,314, 3-10-59, Cl. 200-87.
- Great American Plastics Co.: See—
- Cohn, Irwin E., and Healey. 2,910,786.
- Great Dane Trallors, Inc.: See—
- Jewell, Robert A., and Watters. 2,915,320.
- Greathouse, Lucien E., B. A. Smith, H. M. Robinson, and C. H. Haydel. Heat exchanger. 2,882,022, 4-14-59, Cl. 257-1.
- Great Lakes Carbon Corp.: See—
- Harrison, Milo A., and Kovarik. 2,888,175.
- Shea, Frederick L., Jr. 2,868,695.
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- Great Lakes Fire Equipment Co.: See—
- Dalton, Michael J. 2,919,071.
- Great Lakes Stamp & Mfg. Co., Inc.: See—
- Payton, John H., and Schuetz. 2,906,627.
- Great Western Drilling Co.: See—
- Mallory, Harvey E., and Ayscue. 2,867,278.
- Great Western Heel Co., Inc.: See—
- Cooper, Jack H., and Freistat. 2,871,583.
- Greaves, Robert W., to International Business Machines Corp. Latent electrostatic image developing apparatus. 2,902,974, 9-8-59, Cl. 118-637.
- Grebbs, John W., S. G. Hawtin, and J. Downing, to British Celanese Ltd. Manufacture of artificial filamentary materials of high bulk. 2,900,221, 8-18-59, Cl. 18-54.
- Grebe, John J., to United States of America, Atomic Energy Commission. Nuclear reactor. 2,894,591, 7-14-59, Cl. 204-193.2.
- Grebe, John J., to United States of America, Atomic Energy Commission. Nuclear reactor. 2,917,443, 12-15-59, Cl. 204-193.2.
- Greber, Henry. Gas discharge lamp. 2,908,841, 10-13-59, Cl. 313-204.
- Grebner, Fritz, to Voigt & Haefner A.G. Manufacture of grids or mesh. 2,899,537, 8-11-59, Cl. 219-79.
- Grebner, Josef: See—
- Wenzeler, Herbert, and Grebner. 2,891,272.
- Greco, Charles C. Garment with interchangeable indicia. 2,871,485, 2-3-59, Cl. 2-246.
- Greco, Ascanio. Combination measuring tape and scribe. 2,893,122, 7-7-59, Cl. 33-27.
- Greezin, John, to Fidelity Machine Co., Inc. Flexible hose. 2,870,619, 1-27-59, Cl. 66-169.
- Gredell, Otto N., to Standard Steel Works, Inc. Shelf bracket having cam lock. 2,901,205, 8-25-59, Cl. 248-245.
- Gredell, Otto N., to Standard Steel Works, Inc. Spring-loaded shelf bracket. 2,901,206, 8-25-59, Cl. 248-246.
- Gredley, Edwin F., and E. J. Schaaf, to Food Machinery and Chemical Corp. Pea sheller. 2,910,070, 10-27-59, Cl. 130-30.
- Greefkes, Johannes A.: See—
- De Jager, Frank, and Greefkes. 2,907,831.
- Greeley, Kenneth J. Device for opening containers. 2,868,408, 1-13-59, Cl. 220-152.
- Green, A. Donald, to Esso Research and Engineering Co. Dehydrogenation process. 2,889,353, 6-2-59, Cl. 260-680.
- Green, Allen P., Jr.: See—
- Crawford, Daniel W. 2,886,375.
- Green, Arthur J., to The Roberts Brass Mfg. Co. Valve operating mechanism. 2,912,870, 11-17-59, Cl. 74-109.
- Green, Bernard J., to International Standard Electric Corp. Thermionic cathode heaters. 2,885,334, 5-5-59, Cl. 204-181.
- Green, Daniel A., to Mine Safety Appliances Co. Fluorescent lighting tube support. 2,888,657, 5-26-59, Cl. 339-52.
- Green, David J., to Gillfillan Bros. Inc. Carrier-modulating function generator with adaptation for simultaneous multiplication. 2,905,354, 9-22-59, Cl. 235-194.
- Green, Donald C. Check valves. 2,912,000, 11-10-59, Cl. 137-515.5.
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- Green, Edward R., to Newton, Chambers & Co. Ltd. Apparatus for dispensing pastes, creams and liquids. 2,898,009, 8-4-59, Cl. 222-308.
- Green, Elbertson D., and H. B. Smith, to Westinghouse Electric Corp. Automatic acquisition system for radar. 2,879,503, 3-24-59, Cl. 343-7.3.
- Green, Emmett M. Axially compressible rotatable sponge mop. 2,873,462, 2-17-59, Cl. 15-119.
- Green, Frankie C.: See—
- Green, James R. 2,896,398.
- Green, Frederick H., to The Garrett Corp. Air conditioning system for space ships. 2,873,582, 2-17-59, Cl. 62-5.
- Green, Frederick H., to The Garrett Corp. Air conditioning device. 2,892,316, 6-30-59, Cl. 62-5.
- Green, Frederick H., to The Garrett Corp. Vortex tube with flow control means. 2,904,965, 9-22-59, Cl. 62-45.
- Green, Harold A., to Quaker Chemical Products Corp. Corrosion preventive compositions. 2,900,262, 8-18-59, Cl. 106-14.
- Green, Irving, to Minnesota Mining and Mfg. Co. Dispersion of fluorochlorocarbon polymers. 2,876,206, 3-3-59, Cl. 260-31.2.
- Green, Isaac H. C.: See—
- Brown, Charles F., and Green. 2,886,959.



- Green, Jack, to California Research Corp. Particle separation utilizing a magnetized fluid. 2,902,153, 9-1-59, Cl. 209-208.
- Green, Jack R.: See—  
Cumming, Ronald W., and Green. 2,918,869.
- Green, James R., 49% to F. C. Green. Cotton harvester. 2,896,398, 7-28-59, Cl. 56-48.
- Green, Jerome, to National Aluminate Corp. Process for preventing corrosion. 2,888,400, 5-26-59, Cl. 252-88.55.
- Green, Joseph, to U. S. Rubber Reclaiming Co., Inc. Reaction product of sulfur vulcanized rubber polymer and a material having carbon to carbon unsaturation alpha to an electron acceptor group. 2,879,243, 3-24-59, Cl. 260-33.6.
- Green, Joseph F., to Montgomery Elevator Co. Automatic interlock for elevator hatchway doors. 2,918,988, 12-29-59, Cl. 187-31.
- Green, Larry Q., to E. I. du Pont de Nemours and Co. Fluorine compounds, process of preparing said compound, and process of rendering textile oil repellent. 2,917,409, 12-15-59, Cl. 117-121.
- Green, Lawrence E. Tool holder. 2,879,896, 3-31-59, Cl. 211-4.
- Green, Lee B. Bending machine having auxiliary actuating means for wing supported bending die. 2,915,106, 12-1-59, Cl. 153-46.
- Green, Martin, and M. Hill. Dispensing container for pills and the like. 2,885,124, 5-5-59, Cl. 222-212.
- Green, Mary E.: See—  
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- Green, Milton W.: See—  
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- Green, Milton W., to Radio Corp. of America. Semi-conductor electrical pulse counting means. 2,889,469, 6-2-59, Cl. 307-88.5.
- Green, Nathaniel P. Double blow drill. 2,872,158, 2-3-59, Cl. 255-6.
- Green, Oliver N. Golf cart having hinged compartments for clubs. 2,911,228, 11-3-59, Cl. 280-38.
- Green, Ralph J.: See—  
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- Green, Richard M.: See—  
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- Green, Robert B., and J. S. Hill, to Engelhard Industries, Inc. Hydrogen purifier. 2,911,057, 11-3-59, Cl. 183-2.
- Green, Stanley S.: See—  
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Milligan, James W., and Green. 2,869,935.
- Green, Stanley S., to Duncan Electric Co., Inc. Magnetic suspension with flexibility. 2,900,211, 8-18-59, Cl. 308-10.
- Green, Thomas A., H. H. Gorrie, J. F. Shannon, and T. Fink, to Bailey Meter Co. Indicating gage. 2,874,573, 2-24-59, Cl. 43-114.
- Green, Thomas A., H. H. Gorrie, J. F. Shannon, and T. Fink, to Bailey Meter Co. Illuminating measuring instrument. 2,885,536, 5-5-59, Cl. 240-21.
- Green, Willard E., to Joy Mfg. Co. Separator-receiver unit. 2,885,027, 5-5-59, Cl. 183-34.
- Green, William B.: See—  
Von Hippel, Arthur R., Powers, and Green. 2,909,662.
- Green, William P.: See—  
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- Green, William P. Mixing valves. 2,884,007, 4-28-59, Cl. 137-625.13.
- Green, William T.: See—  
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- Green, Xan B. K., and H. Preble, Jr., to General Slicing Machine Co., Inc. Slicing device with multi-knife cutting disc. 2,882,946, 4-21-59, Cl. 146-114.
- Greenmeyer, William H., to Owens-Illinois Glass Co. Article segregating mechanism. 2,896,784, 7-28-59, Cl. 209-82.
- Greenwalt, William E. Smelting finely divided iron ore. 2,876,092, 3-3-59, Cl. 75-40.
- Greenwalt, William E. Processes of smelting finely divided iron ore. 2,876,093, 3-3-59, Cl. 75-40.
- Greenback, Florence: See—  
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- Greenbaum, Joseph. Garment hanger. 2,883,095, 4-21-59, Cl. 223-90.
- Green Bay Box Co.: See—  
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- Greenberg, David R., and D. H. Marcus, to Burroughs Corp. Speed regulating servo system. 2,913,652, 11-17-59, Cl. 318-309.
- Greenberg, Harry: See—  
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Hansley, Virgil L., Greenberg, and Schott. 2,916,351.  
Lubowitz, Hyman R., and Greenberg. 2,894,980.
- Greenberg, Harry, and H. R. Lubowitz, to National Distillers and Chemical Corp. Preparation of diesters of fumaric acid. 2,894,982, 7-14-59, Cl. 260-485.
- Greenberg, Harry, and R. W. Horst, to National Distillers and Chemical Corp. Polyester of a mixture of isomeric C<sub>10</sub> dicarboxylic acids and process of making. 2,902,462, 9-1-59, Cl. 260-45.4.
- Greenberg, Richard A. Method of processing canned meat products. 2,912,337, 11-10-59, Cl. 90-187.
- Greenberg, Robert, to A. Rosenthal. Copy holder. 2,906,242, 9-29-59, Cl. 120-34.
- Greenberg, Robert L., to National Equipment Corp. Depositors for confectionery machines. 2,908,298, 10-13-59, Cl. 141-137.
- Greenberg, Sydney: See—  
Musser, C. Walton, and Greenberg. 2,889,628.
- Greenberger, Joseph I.: See—  
Stone, Morris D., Greenberger, and Lamouredleu. 2,887,422.
- Greenblatt, Hyman. Reversible wrap-around skirt. 2,912,698, 11-17-59, Cl. 2-211.
- Greenblott, Bernard J., and M. J. Kelly, to International Business Machines Corp. Electrical relay and contact assembly. 2,919,326, 12-29-59, Cl. 200-104.
- Greenburg, Sheldon I.: See—  
Gehrke, August F., Marmor, Henry, and Greenberg. 2,882,167.
- Greene, Alan H.: See—  
Paul, Israel A., and Greene. 2,875,329.
- Greene, Ben. Furnaces. 2,869,856, 1-20-59, Cl. 266-5.
- Greene, Ben. Furnaces for heat treatment of articles. 2,913,239, 11-17-59, Cl. 266-5.
- Greene, Charles R.: See—  
Steinle, Shelton E., and Greene. 2,918,354.
- Greene, Charles R., and S. E. Steinle, to Shell Development Co. Conversion of hydrogen iodide to iodine. 2,874,031, 2-17-59, Cl. 23-216.
- Greene, Charles R., and S. E. Steinle, to Shell Development Co. Conversion of hydrogen iodide to iodine. 2,892,686, 6-30-59, Cl. 23-216.
- Greene, Cora S.: See—  
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- Greene, Curtis. Method for forming conduits. Re. 24,617, 3-10-59, Cl. 25-154.
- Greene, Fred E., deceased: See—  
Greene, Fred E., deceased. 2,903,896, 9-15-59, Cl. 74-95.
- Greene, George B., to Marchant Research, Inc. Pulse width memory units. 2,887,674, 5-19-59, Cl. 340-174.
- Greene, George B., and G. Wahlstrom, to Marchant Research, Inc. Analog-to-digital converters. 2,867,797, 1-6-59, Cl. 340-347.
- Greene, Harry A., Jr.: See—  
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- Greene, Harry R., and H. N. Barlow, to Knight Newspapers, Inc. Matrix malfeeling detection system for linecasting machines. 2,880,853, 4-7-59, Cl. 199-18.
- Greene, John H., and R. R. Thurston, to Texaco Inc. Railroad tie pads. 2,892,592, 6-30-59, Cl. 238-283.
- Greene, John P., to Stapling Machines Co. Slat feeding apparatus for box-making machines. 2,900,108, 8-18-59, Cl. 221-268.
- Greene, Joseph L., and J. C. Holzwarth, to General Motors Corp. Method of galvanizing ferrous metal strip. 2,894,850, 7-14-59, Cl. 117-5.5.
- Greene, Karl W., Jr.: See—  
Grube, Frank N., Greene, and Grube. 2,897,901.
- Greene, Leonard M., to Safe Flight Instrument Corp. Control element. 2,881,635, 4-14-59, Cl. 74-480.
- Greene, Malbone W.: See—  
Thayer, Louis C., and Greene. 2,902,639.
- Greene, Malbone W., and L. Thayer, to Beckman Instruments, Inc. Apparatus for fluid analysis. 2,882,719, 4-21-59, Cl. 73-27.
- Greene, Oscar and R. S. Key container. 2,875,803, 3-3-59, Cl. 150-40.
- Greene, Otto W., and J. Kilvan, to Pfandl Permutit Inc. Tank supporting means. 2,870,982, 1-27-59, Cl. 248-146.
- Greene, Raymond H., to Calumet & Hecla, Inc. Apparatus for manufacturing integral finned tubing. 2,868,046, 1-13-59, Cl. 80-13.
- Greene, Raymond H., to Calumet & Hecla, Inc. Device for bending coils. 2,870,816, 1-27-59, Cl. 153-40.
- Greene, Robert S.: See—  
Greene, Oscar and R. S. 2,875,803.
- Greene, Robert Z., V. Benson, and R. Spilman, to Rowe Mfg. Co., Inc. Display panel. 2,871,081, 1-27-59, Cl. 312-114.
- Greene, Samuel. Weather strip for lousie windows. 2,867,304, 1-6-59, Cl. 189-62.
- Greene, Sidney R. Vehicle door-closed safety system. 2,876,856, 3-10-59, Cl. 180-82.
- Greene, William L., to Rogers, Tallafiero & Lamb, Architects. Chimney structure. 2,868,107, 1-13-59, Cl. 98-58.
- Greene, William L., to Tecfab, Inc. Prefabricated roof or ceiling panel. 2,902,854, 9-8-59, Cl. 72-68.
- Greenfield, Charles. Grinding and rendering of fat containing tissue. 2,911,421, 11-3-59, Cl. 260-412.6.
- Greenfield, Charles. Recovery of stearic and oleic acids. 2,911,423, 11-3-59, Cl. 260-419.
- Greenfield, Eugene W., and L. F. Roschmann, to Kaiser Aluminum & Chemical Corp. Electrical Conductor and system. 2,870,311, 1-20-59, Cl. 219-19.
- Greenfield, Jack: See—  
Adkins, Virgil H. 2,903,002.
- Greenhalgh, Frank G., and E. Long, to United States of America, Atomic Energy Commission. Support device for use in a nuclear reactor. 2,877,170, 3-10-59, Cl. 204-193.2.
- Greenhalgh, Norman, and J. K. Walley, to Imperial Chemical Industries Ltd. Cyanacetyldiazide compositions for treating lung-worms and methods for using same. 2,899,358, 8-11-59, Cl. 167-53.1.

- Greenhalgh, Roger C., to International Business Machines Corp. Data transfer and translating system. 2,872,666, 2-3-59, Cl. 340-174.
- Greenhead, Bernard R., to H. D. F. Ltd. Method of and apparatus for the control of television picture signals. 2,911,466, 11-3-59, Cl. 178-6.8.
- Greenhough, Vernon W.: See—  
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- Greening Nursery Co.: See—  
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- Greenlaw, Wilbert D.: See—  
Tobis, Robert A., and Greenlaw. 2,880,751.
- Greenleaf, Francis D.: See—  
Willey, Frank G., and Greenleaf. 2,918,581.
- Greenleaf, Francis D., R. F. Meyer, and L. F. Villar, to Servo Corp. of America. Oscillating optical scanner. 2,911,470, 11-3-59, Cl. 178-7.0.
- Greenleaf, Nathaniel B.: See—  
Marker, Henry H., and Greenleaf. 2,882,540.
- Greenleaf, Nathaniel B., to Sponge Products Corp. Sponge element for mops. 2,897,528, 8-4-59, Cl. 15-244.
- Greenlee Bros. & Co.: See—  
Hawkinson, Donald E., Kolnes, and Jannenga. 2,895,354.
- Swanson, Edwin C. 2,869,407.
- Greenlee, Harry R., to Chrysler Corp. Safety pneumatic tire. 2,871,904, 2-3-59, Cl. 152-341.
- Greenlee, Helen B.: See—  
Scott, Arthur D., Greenlee, Evans, and Sinn. 2,899,860.
- Greenlee, Paul H., to Grimes Mfg. Co. Aircraft instrument panel illuminator. 2,874,269, 2-17-59, Cl. 240-8.16.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Resinous coating compositions and process of making them. 2,873,200, 2-10-59, Cl. 106-218.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Alkali soluble resins and compositions containing the same. 2,890,189, 6-9-59, Cl. 260-29.2.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Alkali soluble resins and compositions containing the same. 2,890,203, 6-9-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Compositions of polycarboxylic acid amides, polyepoxides, and phenol-aldehyde condensates. 2,893,965, 7-7-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Resin compositions containing tricarboxylic oxy-acids. 2,893,966, 7-7-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Composition of polycarboxylic acid amides, polyepoxides and ammonia derivative-aldehyde condensates. 2,893,968, 7-7-59, Cl. 260-15.2.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Compositions of 4,4 bis(hydroxyaryl) penta-n-amide-ether acids and polyepoxides. 2,893,974, 7-7-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyurethane of a polyisocyanate, an active hydrogen compound and a resinous polybasic acid and method of preparing same. 2,907,718, 10-6-59, Cl. 260-2.5.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyurethane of a polyisocyanate, and active hydrogen compound and a hydroxyaryl-aliphatic acid-aldehyde condensate and method of preparing same. 2,907,719, 10-6-59, Cl. 260-2.5.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Composition of 4,4 bis(hydroxyaryl) penta-n-amide-ether acids and polyepoxides. 2,907,723, 10-6-59, Cl. 260-18.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Mixed esters. 2,907,724, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyepoxide, phenol-aldehyde condensates, mixed ester compositions. 2,907,725, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Diphenolic pentanoic acid, alkyl acid ester, polyepoxide reaction products. 2,907,726, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Autoester-polyepoxide compositions. 2,907,727, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Compositions of diphenolic acid co-amides and polyepoxides. 2,907,728, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Epoxide, diphenolic acid aldehyde condensates. 2,907,729, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Diphenolic acid, epoxide compositions. 2,907,730, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Epoxide, monohydric alcohol-diphenolic acid ester compositions and the modification thereof with aldehyde condensates. 2,907,731, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polycarboxylic acid, epoxide compositions and aldehyde condensate modifications thereof. 2,907,732, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Diphenolic acid modified oil-aldehyde condensates. 2,907,733, 10-6-59, Cl. 260-20.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Compositions of polyepoxides, ammonia derivative-aldehyde condensates and mixed esters. 2,907,734, 10-6-59, Cl. 260-21.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Esterified epoxy polyesters. 2,907,735, 10-6-59, Cl. 260-22.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Esters of polyhydric phenols. 2,907,736, 10-6-59, Cl. 260-22.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Resin acid esters of polyhydric phenols. 2,907,737, 10-6-59, Cl. 260-22.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Mixed resin acid esters of 4,4 bis(4-hydroxyaryl) pentanoic acid. 2,907,738, 10-6-59, Cl. 260-24.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Natural resin acid esters 4,4 bis(4-hydroxyaryl) pentanoic acid. 2,907,739, 10-6-59, Cl. 260-24.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyepoxide diphenolic acid amide compositions and said compositions modified with aldehyde condensates. 2,907,740, 10-6-59, Cl. 260-43.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Compositions of novel polyhydric phenols and polyepoxides. 2,907,741, 10-6-59, Cl. 260-44.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Resinous polyhydric phenols. 2,907,743, 10-6-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Etheric acid esters. 2,907,744, 10-6-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyurethane of a polyisocyanate, an active hydrogen compound, and a hydroxyaryl aliphatic acid. 2,907,745, 10-6-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Hydroxyaryl aliphatic acid polyurethanes. 2,907,746, 10-6-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyurethanes of polyisocyanates and resinous polymeric acids. 2,907,747, 10-6-59, Cl. 260-47.
- Greenlee, Sylvan O. Polyurethane of a polyisocyanate and a self-ester of a hydroxyaryl-aliphatic acid or an acyl derivative thereof. 2,907,749, 10-16-59, Cl. 260-47.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Polyurethanes of hydroxyaryl-aliphatic acid-aldehyde condensates. 2,907,750, 10-6-59, Cl. 260-51.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Esters of polyhydric phenol amides. 2,907,778, 10-6-59, Cl. 260-40.5.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Unsaturated diester acids. 2,907,779, 10-6-59, Cl. 260-410.5.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Esters of polyhydric phenols. 2,908,005, 10-6-59, Cl. 260-19.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Complex esters. 2,908,006, 10-6-59, Cl. 260-18.
- Greenlee, Sylvan O., to S. C. Johnson & Son, Inc. Alkali soluble resins and compositions containing the same. 2,908,505, 10-20-59, Cl. 260-47.
- Greenlee, William B.: See—  
Scott, Arthur D., Greenlee, Evans, and Sinn. 2,899,860.
- Greenlie, David G., to W. R. Grace & Co. Gasket applying machine. 2,910,041, 10-27-59, Cl. 118-59.
- Greenman, Orval L., to The Bulman Corp. Structural device. 2,910,740, 11-3-59, Cl. 20-11.
- Greenman, Leo S. Dental impression tray. 2,901,825, 9-1-59, Cl. 32-17.
- Greenman, Leo S. Limit travel stop for dentures. 2,911,720, 11-10-59, Cl. 32-2.
- Greenough, Raymond E., to Cleveland Pneumatic Industries, Inc. Antiskid brake mechanism. 2,904,136, 9-15-59, Cl. 188-181.
- Greensides, Lawrence A. Bath tub and attachment therefor. 2,870,456, 1-27-59, Cl. 4-173.
- Greenspan, Frank P., and R. E. Light, Jr., to Food Machinery and Chemical Corp. Copolymer polyhydric phenol resin. 2,875,178, 2-24-59, Cl. 260-47.
- Greenspan, Frank P., and R. J. Gall, to Food Machinery and Chemical Corp. Process of epoxidation. 2,919,283, 12-29-59, Cl. 260-348.5.
- Greenspan, Irving. Bottle with disposable cartridge. 2,885,104, 5-5-59, Cl. 215-6.
- Greenspan, Lawrence: See—  
Barney, Kay H., and Greenspan. 2,903,605.
- Greenwald, Bertrand W.: See—  
Kerschner, Paul M., and Greenwald. 2,907,783.
- Kerschner, Paul M., and Greenwald. 2,916,507.
- Greenwald, H., Co., Inc.: See—  
Greenwald, Harry. 2,877,637.  
Greenwald, Harry. 2,899,622.  
Greenwald, Harry. 2,915,692.
- Greenwald, Harold A., to The Garrett Corp. Motor driven compressor. 2,888,193, 5-26-59, Cl. 230-117.
- Greenwald, Harry, to H. Greenwald Co. Inc. Locked coin drawer. 2,877,637, 3-17-59, Cl. 70-86.
- Greenwald, Harry, to H. Greenwald Co., Inc. Coin-actuated switch control means for electrical appliances. 2,899,622, 8-11-59, Cl. 318-470.
- Greenwald, Harry, to H. Greenwald Co. Inc. Coin device clock mechanism. 2,915,692, 12-1-59, Cl. 318-470.
- Greenwald, Howard J. Folding paired legs. 2,891,832, 6-23-59, Cl. 311-89.
- Greenwald, Marvin J. Basket device for supporting and confining a roast or the like in a rotisserie. 2,882,812, 4-21-59, Cl. 99-427.
- Greenwood, Allan, T. H. Lee, and H. N. Schneider, to General Electric Co. Vacuum type circuit interrupter. 2,892,912, 6-30-59, Cl. 200-144.
- Greenwood, Dolphice H. Gate valve and sealing means therefor. 2,870,987, 1-27-59, Cl. 251-327.



- Greenwood, Ernest W.: See—  
Alumbaugh, John W., and Greenwood. 2,881,812.
- Greenwood, Ivan A., Jr.: See—  
Gray, John W., Hales, and Greenwood. 2,908,902.
- Greenwood, Ivan A., Jr., to General Precision Laboratory Inc. Right triangle solver using feedback. 2,872,112, 2-3-59, Cl. 235-61.
- Greenwood, Ivan A., Jr., and F. B. Berger, to General Precision Laboratory Inc. Doppler-inertial navigation data system. 2,914,763, 11-24-59, Cl. 343-9.
- Greenwood, John W. Bearing-supported router. 2,872,731, 2-10-59, Cl. 30-276.
- Greenwood, Marvin H., and A. L. Presnal, to Anderson, Greenwood & Co. Rupturable diaphragm valve. 2,888,025, 5-26-59, Cl. 137-71.
- Greenwood, Marvin H., and W. C. Francis, Jr., to Anderson, Greenwood & Co. Pilot-operated relief valve. 2,890,714, 6-16-59, Cl. 137-491.
- Greenwood, Raymond R. Animal holding apparatus. 2,914,026, 11-24-59, Cl. 119-103.
- Greenwood, Ruth A.: See—  
Lecher, Hans Z., and Greenwood. 2,870,204.
- Greer, Albert H., to Pfaunder Permutit Inc. Anion exchange resins from epihalohydrin and polyalkylenepolyamines. 2,898,309, 8-4-59, Cl. 260-21.
- Greer, Albert H., to Pfaunder Permutit Inc. Highly-basic anion exchange resins from epihalohydrins and tertiary-amino containing alkylenepolyamines. 2,898,310, 8-4-59, Cl. 260-21.
- Greer, Edith S.: See—  
Carper, Harold R. 2,897,570.
- Gillespie, Russell A. 2,889,588.
- Gillespie, Russell A. 2,896,248.
- Gillespie, Russell A. 2,898,646.
- Greer, Edward M., J. J. Jenkins, and K. Barth, to G.M.E. Corp. Hatch cover assembly. 2,910,031, 10-27-59, Cl. 114-201.
- Greer, Frank E. Bolt box. 2,903,814, 9-15-59, Cl. 43-55.
- Greer, Fred W., to Wire Belt Co. of America. Belt conveyor. 2,906,395, 9-29-59, Cl. 198-193.
- Greer, Henry W., R. W. Hompe, and J. A. Martell, to Smith, Kline & French Laboratories. Capsule filling machine. 2,890,557, 6-16-59, Cl. 53-281.
- Greer Hydraulics, Inc.: See—  
Mercier, Jacques H. 2,877,801.
- Greer, J. W., Co.: See—  
Keyes, Clifford B. 2,878,948.
- Keyes, Clifford B., and Hill. 2,878,923.
- Locke, Burton H., and Convers. 2,875,907.
- Woodcock, Robert R. 2,875,908.
- Greer, Joseph R.: See—  
Whitley, Ernest M., and Greer. 2,877,780.
- Greff, Leon J., Sr.: See—  
Ernest Oswald, and Greff. 2,902,943.
- Greff, André, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieres Electriques d'Ugine. Process for removing iron from titaniferous material. 2,885,280, 5-5-59, Cl. 75-1.
- Greger, Herbert H. Process of manufacturing ceramic ferrites. 2,886,530, 5-12-59, Cl. 252-625.
- Gregersen, Christen H., to Kastrup Maskinfabrik A/S. Sweeping machines. 2,913,744, 11-24-59, Cl. 15-83.
- Gregersen, Halfdan: See—  
Facer, Leroy H. 2,867,522.
- Gregg, Earl C., Jr., to The B. F. Goodrich Co. Method for producing binary poly sulfur group compounds of morpholine and/or piperidine. 2,911,405, 11-3-59, Cl. 260-247.1.
- Gregg, Hendrick J. Apparatus for quenching ring gears and similar articles. 2,894,519, 7-14-59, Cl. 134-147.
- Gregg, Mahlon H.: See—  
Decker, Frederick J., and Gregg. 2,871,506.
- Decker, Frederick J., and Gregg. 2,901,768.
- Gregg, Mahlon H., and F. J. Decker, to The Caldwell Mfg. Co. Sash balance. 2,890,480, 6-16-59, Cl. 16-197.
- Gregoire, Ferdinand A., to Societe des Blancs de Zinc de la Mediterranee Eng. Chabaury, Pierre Gindre & Cie. Method of dissolving orthotitanic acid. 2,905,530, 9-22-59, Cl. 23-87.
- Gregor, Frank J.: See—  
Read, Robert C., and Gregor. 2,875,457.
- Gregor, Harry P.: See—  
Bieber, Harold H., Brulns, and Gregor. 2,884,387.
- Gregorie, Ferdinand, Jr.: See—  
Stokes, J. D. 2,907,410.
- Gregorius, Joseph S., to Pittsburgh Plate Glass Co. Glass stirring mechanism. 2,891,777, 6-23-59, Cl. 259-107.
- Gregory, Alfred T., and K. A. Browne, to Fairchild Engine and Airplane Corp. Centering device. 2,908,518, 10-13-59, Cl. 287-52.
- Gregory, Arthur C. Combination cradle, bassinet and buggy. 2,869,145, 1-20-59, Cl. 5-109.
- Gregory, Arthur S., to Weyerhaeuser Timber Co. Process for the conversion of dihydroquercetin to quercetin. 2,890,225, 6-9-59, Cl. 260-345.2.
- Gregory, Benjamin F. Universal joint and lubricant retaining housing therefor. 2,875,599, 3-3-59, Cl. 64-21.
- Gregory, Charles A., to United States of America, Navy. Method of producing radio wave reflector cords of varied length. 2,881,425, 4-7-59, Cl. 343-18.
- Gregory, Elmer O., 1/2 to E. A. Polumbus, Jr. Thread protectors for well sucker-rods. 2,873,765, 2-17-59, Cl. 138-96.
- Gregory, Eric, to Sintercast Corp. of America. Method of introducing hard phases into metallic matrices. 2,894,838, 7-14-59, Cl. 75-206.
- Gregory Industries, Inc.: See—  
Haveimyer, George E. 2,898,443.
- Haynes, Clyde H. 2,893,762.
- Jenkins, John C. 2,883,215.
- Murdock, Robert W., and Singleton. 2,896,065.
- Shoup, Thomas E. 2,873,354.
- Shoup, Thomas E., and Mowry. 2,878,363.
- Gregory, James, to G. O. Parachute Co. Ltd. Parachute pack. 2,869,809, 1-20-59, Cl. 244-148.
- Gregory, James T., to The B. F. Goodrich Co. 2-Imino-3-substituted-1,3,4,6H-thiadiazines and methods for their preparation. 2,871,237, 1-27-59, Cl. 260-243.
- Gregory, James T., to The B. F. Goodrich Co. 2-Nitrosolmino-1,3,4,6H-thiadiazines and methods for their preparation. 2,871,238, 1-27-59, Cl. 260-243.
- Gregory, Joseph M., and F. E. Smith, to Designed Products Ltd. Mobile pack. 2,917,167, 12-15-59, Cl. 206-65.
- Gregory, Louis P. Air pressure demonstrator. 2,878,588, 3-24-59, Cl. 35-19.
- Gregory, Marion B., to The Baldwin Piano Co. Transistor oscillator for vibrato purposes. 2,899,648, 8-11-59, Cl. 331-117.
- Gregory, Paul, to Fabriques de Produits Chimiques de Thann et de Mulhouse. Process for cooling hot gases containing suspended titanium dioxide particles. 2,909,409, 10-20-59, Cl. 23-202.
- Gregory, Thomas A., and F. J. Shelton, to Reichhold Chemicals, Inc. Phenolic resin composition and means for controlling viscosity of same. 2,889,241, 6-2-59, Cl. 154-133.
- Gregory, Thurlow G. Cord-reinforced cellulose sponge material. 2,916,390, 12-8-59, Cl. 106-164.
- Gregory, Walter A., to E. I. du Pont de Nemours and Co. Process for producing aromatic sulfonyl halides. 2,888,486, 5-26-59, Cl. 260-543.
- Gregory, William E.: See—  
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- Gregory, William T.: See—  
Sullivan, Robert E., and Gregory. 2,894,913.
- Gregson, Alvero C., and M. Reanne, to United States of America, Army. Tube socket. 2,891,231, 6-16-59, Cl. 339-93.
- Gregson, William, and W. F. S. Turner, to Ferranti, Ltd. Electrical frequency meters. 2,900,600, 8-18-59, Cl. 324-78.
- Greibach, Emil H. Electrical measuring devices. 2,882,496, 4-14-59, Cl. 324-125.
- Greibach, Emil H. Electrical direct current measuring devices. 2,882,497, 4-14-59, Cl. 324-134.
- Greider, Kendig H. Book marker. 2,911,940, 11-10-59, Cl. 116-119.
- Greif Bros. Cooperage Corp., The: See—  
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- Carpenter, Herbert L., and Herbert L. Carpenter, Jr. 2,884,176.
- Greif, Francis. Memorandum pads and the like. 2,916,303, 12-8-59, Cl. 281-8.
- Greff, Robert: See—  
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- Greig, Harold G., to Radio Corp. of America. Electrostatic printing. 2,874,063, 2-17-59, Cl. 117-17.5.
- Greig James W., to Woodall Industries, Inc. Folding door assembly. 2,901,036, 8-25-59, Cl. 160-208.
- Grein, Hermann, and W. Zander, to Barmer Maschinenfabrik Aktienges. Multiple-headed winding machine. 2,915,253, 12-1-59, Cl. 242-35.5.
- Greiner, Arno, to Uwmico, Inc. Coil winding machine. 2,893,195, 7-7-59, Cl. 57-3.
- Greiner, Arno, and O. R. Wollentin, deceased, by R. W. Wollentin, administrator, to Westinghouse Electric Corp. Machine for forming coils. 2,877,804, 3-17-59, Cl. 140-71.
- Greiner, John W.: See—  
Fevig, Glen A., Greiner, and Riebe. 2,905,677.
- Greiner, Leonard, to Experiment Inc. Differential area piston pumping system. 2,918,791, 12-29-59, Cl. 60-35.6.
- Greiner, Leroy J., and D. L. Ebbage, to Macco Corp. Vehicle back-up warning signal actuator. 2,873,437, 2-10-59, Cl. 340-70.
- Greisen, Kenneth I.: See—  
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- Greiser, Rudolph F.: See—  
Rosenman, Abraham W., and Greiser. 2,915,218.
- Grelsman, Jack. Cuing method and system. 2,892,039, 6-23-59, Cl. 179-100.1.
- Grelsman, Samuel, to Comtex Ltd. Sewing machines. 2,910,949, 11-3-59, Cl. 112-11.
- Greist Mfg. Co., The: See—  
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- Caldwell, Samuel P. 2,883,756.
- Caldwell, Samuel P. 2,911,929.
- Dwyer, Walter M. 2,869,242.
- Gundersen, Arnold E. 2,906,027.
- Johnson, Harry N., and Baehr. 2,890,668.
- Thomas, Charles R. 2,894,467.
- Greivell, Robert L., to Caterpillar Tractor Co. Rotatable counterweight mechanism. 2,891,681, 6-23-59, Cl. 212-49.

- Grelat, Maurice, to Ciba Ltd. Vat dyestuffs and process for their manufacture. 2,884,425, 4-28-59, Cl. 260-316.
- Greller, Nelson P., and W. E. Graybeal. Conveyor. 2,868,394, 1-13-59, Cl. 214-11.
- Greminger, George K., Jr.: See—  
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- Greminger, George K., Jr., and F. E. Windower, to The Dow Chemical Co. Enteric coating. 2,887,440, 5-19-59, Cl. 167-82.
- Gremmelmaier, Rolf: See—  
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- Grempe, Eugene W. Portable drill press. 2,871,730, 2-3-59, Cl. 77-13.
- Grenell, Leland H., to General Motors Corp. Fused aluminum to copper pipe coupling. 2,903,763, 9-15-59, Cl. 22-203.
- Grenier, Aime J., L. C. Beggs, and R. G. Mawney, to Texas Instruments, Inc. Electrical switch structure. 2,907,847, 10-6-59, Cl. 200-104.
- Grenier, George H., to General Electric Co. Limiting amplifier. 2,883,480, 4-21-59, Cl. 179-171.
- Grenier, Maurice, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude. Process for the regeneration of an adsorbent bed. 2,882,998, 4-21-59, Cl. 183-114.2.
- Greninger, Elias G., to The Bryant Electric Co. Joined article. 2,877,490, 3-17-59, Cl. 16-121.
- Grenley, Dallas G.: See—  
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- Grenley, Dallas G., and H. J. Townsend, to The Dow Chemical Co. Coating polyethylene with haloethylene polymers and composite articles thereby obtained. 2,897,100, 7-28-59, Cl. 117-138.8.
- Greppin, Ernest H., to Wilmet Castle Co. Emergency lighting system for hospital operating rooms and the like. 2,880,372, 3-31-59, Cl. 315-86.
- Gresham, Claude D.: See—  
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- Gresham, William C., and K. W. Cochran, to Atlas Pipe, Inc. Apparatus for magnetic inspection. 2,886,772, 5-12-59, Cl. 324-37.
- Gresham, William F., to E. I. du Pont de Nemours and Co. Process of preparing linear polymers of multivinyl aromatic compounds. 2,901,470, 8-25-59, Cl. 260-93.5.
- Gresham, William F., and N. G. Merckling, to E. I. du Pont de Nemours and Co. Polymerization catalyst and process. 2,872,439, 2-3-59, Cl. 260-94.9.
- Gresham, William F., and N. G. Merckling, to E. I. du Pont de Nemours and Co. Coordination catalysts using silver. 2,888,448, 5-26-59, Cl. 260-94.9.
- Gresham, William F., and N. G. Merckling, to E. I. du Pont de Nemours and Co. Ethylene polymerization with catalysts prepared from molybdenum pentachloride and reducing compounds. 2,900,372, 8-18-59, Cl. 260-94.9.
- Greshel, Leonard J.: See—  
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- Greshel, Leonard J., to North Electric Co. Dial governor mounting arrangement. 2,868,887, 1-13-59, Cl. 179-90.
- Gresko, Raymond S., to Bendix-Westinghouse Automotive Air Brake Co. Anti-freeze control mechanism. 2,893,625, 7-7-59, Cl. 230-202.
- Gretenor, Edgar, A.G.: See—  
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- Gretenor, Edgar, to Edgar Gretenor A.G. Arc lamp with air current concentration. 2,892,118, 6-23-59, Cl. 313-149.
- Gretenor, Edgar. Reflector. 2,914,989, 12-1-59, Cl. 88-103.
- Gretz, George J. Carburetors. 2,875,990, 3-3-59, Cl. 261-23.
- Gretz, John L.: See—  
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- Gretz, John L., to The B. F. Goodrich Co. Shock absorptive packaging. 2,897,959, 8-4-59, Cl. 206-46.
- Greubel, Alfred H. Heating devices. 2,917,617, 12-15-59, Cl. 219-39.
- Greulich, Gerald G., to Ceco Steel Products Corp. Clip for anchoring sheet metal centering to supporting joists or beams. 2,900,056, 8-18-59, Cl. 189-35.
- Greulich, Gerald G., and J. F. Rushing, to Ceco Steel Products Corp. Splice sleeves for connecting electro-channel joists. 2,905,285, 9-22-59, Cl. 189-37.
- Greune, Heinrich: See—  
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- Greve, Reinhard C., to North American Phillips Co., Inc. Stepwise operating driving device. 2,900,840, 8-25-59, Cl. 74-575.
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- Grevich, John J., to Doughboy Industries, Inc. Coding device. 2,874,637, 2-24-59, Cl. 101-377.
- Grevich, John J., to Doughboy Industries, Inc. Variable pitch pulleys. 2,896,461, 7-28-59, Cl. 74-230.17.
- Grevich, John J., to Doughboy Industries, Inc. Power driven hand heat sealing unit. 2,906,847, 9-29-59, Cl. 219-21.
- Grew, Dolphis G. Method of harvesting cucumbers. 2,903,839, 9-15-59, Cl. 56-327.
- Grove, Ferdinand: See—  
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- Sasse, Klaus, Wegler, and Grove. 2,904,553.
- Urbach, Ewald, and Grove. 2,910,463.
- Grew, Theodor, to International Standard Electric Corp. Oscillator circuit for transistors. 2,896,170, 7-21-59, Cl. 331-117.
- Grey, David S., to Polaroid Corp. Combined range and view finder for cameras. 2,914,997, 12-1-59, Cl. 95-42.
- Grey Equipment, Inc.: See—  
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- Grey, Hugh M., Jr., and Coley. 2,905,942.
- Grey, Gregory F., to The Ohio Nut & Bolt Co. Weld nut with welding projections having transversely and longitudinally curved surfaces. 2,908,310, 10-13-59, Cl. 151-41.7.
- Grey, Hugh M., Jr., and H. E. Coley, to Grey Equipment, Inc. Removable front for stapling machine. 2,905,942, 9-29-59, Cl. 1-49.
- Grey, McHenry W.: See—  
Brunton, Don L. 2,915,598.
- Greyson, William L., to Hiteamp Wires, Inc. Process for promoting adhesion to difficultly wettable polymer surface. 2,888,367, 5-26-59, Cl. 117-138.8.
- Gribben, Bruce D.: See—  
House, Perry W., Shaw, and Gribben. 2,902,125.
- Gribben, Earl R. Three bar continuous wall outlet. 2,899,668, 8-11-59, Cl. 339-21.
- Gribble, Frederick D., to Rotax Ltd. Electric switches. 2,878,338, 3-17-59, Cl. 200-103.
- Gribble, Joseph J., to Square D Co. Contactors. 2,873,330, 2-10-59, Cl. 200-144.
- Gribble, Joseph J., to Square D Co. Mounting assemblies. 2,902,534, 9-1-59, Cl. 174-53.
- Gribnitz, William E., Jr.: See—  
Gutridge, Jack E., and Gribnitz. 2,910,015.
- Griebe, Erwin S., to Marine Oil Terminal Co., Inc. Float-supported sea terminal. 2,894,268, 7-14-59, Cl. 9-8.
- Griebler, P. R.: See—  
Drentlaw, Leonard J. 2,907,493.
- Grieco-Bros., Inc.: See—  
Tabbi, Guy. 2,918,174.
- Grieder, Charles K. Galloping hobby horse. 2,911,226, 11-3-59, Cl. 280-1.183.
- Grieg, Donald D., and S. Moskowitz, to Electronic Research Associates, Inc. Noise figure meter. 2,891,217, 6-16-59, Cl. 324-57.
- Grieg, Donald D., and H. F. Engelmann, to International Telephone and Telegraph Corp. Microwave transmission lines. 2,915,718, 12-1-59, Cl. 333-84.
- Griem, Milton E.: See—  
Hultkrans, Paul B., Griem, and Davis. 2,901,875.
- Griem, Milton E., to Millprint, Inc. Sliced food package. 2,911,306, 11-3-59, Cl. 99-171.
- Griep, Elmer F., to California Research Corp. Engine fuel system. 2,911,958, 11-10-59, Cl. 123-30.
- Grier, Louis N., to Aluminum Co. of America. Ventilated electrical bus bar structures. 2,904,621, 9-15-59, Cl. 174-126.
- Grierson, Thomas A. E. Portable sheet cutting machine. 2,873,801, 2-17-59, Cl. 164-36.
- Griesing, Frank J.: See—  
Daver, Ira C. 2,916,287.
- Griest, Andrew J., W. M. Parris, and P. D. Frost, to United States of America, Army. Surface hardening of titanium. 2,892,743, 6-30-59, Cl. 148-13.1.
- Grieve, Alexander, and W. J. Scott, to The British Thomson-Houston Co. Ltd. Glass-to-metal seals. 2,885,826, 5-12-59, Cl. 49-81.
- Grieve, George T. W.: See—  
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- Latin, Aubrey, Grieve, and Conning. 2,887,223.
- Grieve, George T. W., and S. W. Ripley, to British Insulated Callender's Cables Ltd. Machine for lapping strips of material on electric conductors and other articles. 2,907,164, 10-6-59, Cl. 57-13.
- Griffes, Milton W., and C. W. Merchant, to The Euclid Electric & Mfg. Co. Electric control device. 2,902,088, 9-1-59, Cl. 161-1.
- Griffeth, Forrest P., and L. Liquid floor wax container and applicator. 2,887,706, 5-26-59, Cl. 15-131.
- Griffeth, Lena: See—  
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- Griffin, Cornell Co.: See—  
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- Griffin, Dorothea A. Baby food warmer. 2,894,657, 7-14-59, Cl. 220-23.4.
- Griffin, Eric, and B. R. Flury, to Metal Sections Ltd. Wall structures for buildings. 2,904,851, 9-22-59, Cl. 20-4.
- Griffin, George C. Door frame construction. 2,890,500, 6-16-59, Cl. 20-11.
- Griffin, Harry L., to Blaw-Knox Co. Agglomeration process and apparatus. 2,893,871, 7-7-59, Cl. 99-56.
- Griffin, James H. Built in insecticide distribution system. 2,915,848, 12-8-59, Cl. 43-124.
- Griffin, John J., to Petro-Chem Process Co., Inc. Heavy fuel burner with combustion gas recirculating means. 2,918,117, 12-22-59, Cl. 158-1.
- Griffin, John T., to Clevite Corp. Wire bender and connector. 2,915,616, 12-1-59, Cl. 219-79.
- Griffin, Lindsay I., Jr.: See—  
Holsture, Worth W., Molstedt, Stringer, and Griffin. 2,874,095.
- Kimberlin, Charles N., Jr., Adams, Moser, and Griffin. 2,885,272.
- Lanneau, Keith P., and Griffin. 2,911,146.



- Griffin, Lindsay I., Jr., to Esso Research and Engineering Co. Determination of bed fluidity in fluid cokers. 2,883,398, 5-26-59, Cl. 208-157.
- Griffin, Lindsay I., Jr., E. J. Newchurch, R. W. Krebs, and R. F. Stringer, to Esso Research and Engineering Co. Fluidized solids process for coking heavy oils. 2,886,514, 5-12-59, Cl. 208-127.
- Griffon, Raymond L., to Shell Development Co. Process for the preparation of age resistant asphalt compositions. 2,904,494, 9-15-59, Cl. 208-23.
- Griffin, Samuel E. C., W. E. Railing, and J. C. Yacoe, to E. I. du Pont de Nemours and Co. Distillation of tar residues. 2,889,257, 6-2-59, Cl. 202-52.
- Griffin Wheel Co.: See—  
Sylvester, Edmund Q. Re. 2,4655.  
Sylvester, Edmund Q. 2,912,728.  
Zickelsoe, Ellis J. 2,874,424.
- Griffin, Wilber H. Method and apparatus for completing wells. 2,906,339, 9-29-59, Cl. 166-35.
- Griffin, William D., and Z. Oser, to Allied Chemical Corp. Production of dimethyl phenyl carbinol. 2,881,220, 4-7-59, Cl. 260-618.
- Griffin, William D. and G. G. Joris, to Allied Chemical Corp. Production of cumylphenol from  $\alpha$ -methylstyrene dimer. 2,882,322, 4-14-59, Cl. 260-619.
- Griffin, William K., Jr., and J. F. Killion, to Food Machinery and Chemical Corp. Apparatus for applying adhesive to predetermined areas of a series of articles. 2,873,717, 2-17-59, Cl. 118-204.
- Griffing, Margaret E.: See—  
Coffield, Thomas H., and Griffing. 2,868,844.
- Griffith, Alan A., and A. W. Thorpe, said Griffith assor. to Rolls-Royce Ltd., and said Thorpe assor. to The Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Controls for aircraft. 2,870,978, 1-27-59, Cl. 244-23.
- Griffith, Ben H., Jr., to United States of America, Navy. Coaxial connector. 2,875,417, 2-24-59, Cl. 333-34.
- Griffith, Earl G. Box packing machine. 2,889,676, 6-9-59, Cl. 53-244.
- Griffith, George W., to The General Electric Co. Ltd. Electric amplifier arrangements. 2,917,711, 12-15-59, Cl. 330-53.
- Griffith, James S.: See—  
Bradstreet, Samuel W., and Griffith. 2,893,891.  
Bradstreet, Samuel W., and Griffith. 2,900,244.
- Griffith Laboratories, Inc.: See—  
Komarik, Stephan L. 2,902,369.  
Sair, Louis. 2,881,076.  
Schnell, Carl. Re. 2,4683.  
Schnell, Carl. 2,906,310.
- Griffith, Llewellyn B. Hood closed sludge channel. 2,883,060, 4-21-59, Cl. 210-332.
- Griffith, Llewellyn B. Sewage air lift. 2,892,414, 6-30-59, Cl. 103-232.
- Griffith, Llewellyn B. Apparatus for slow steady removal of digester liquid. 2,892,545, 6-30-59, Cl. 210-97.
- Griffith, Llewellyn B. Sewage scum removal. 2,897,149, 7-28-59, Cl. 210-48.
- Griffith, Louis E., to Riley Stoker Corp. Furnace construction. 2,883,972, 4-28-59, Cl. 122-235.
- Griffith, Park M. Fish hook. 2,900,753, 8-25-59, Cl. 43-37.
- Griffith, Paul H. Warning signal devices. 2,890,623, 6-16-59, Cl. 88-78.
- Griffith, Raymond C. Hydraulic system. 2,882,686, 4-21-59, Cl. 60-54.5.
- Griffith, Robert B., to The Kentucky Research Foundation. Method and apparatus for rapidly obtaining test solutions. 2,909,469, 10-20-59, Cl. 202-46.
- Griffith, Ronald G. Switching arrangement for an electric motor. 2,873,308, 2-10-59, Cl. 178-4.1.
- Griffith, Ronald G. Type printing apparatus. 2,876,280, 3-3-59, Cl. 178-34.
- Griffith, Ronald G. Printing telegraph apparatus. 2,906,821, 9-29-59, Cl. 178-34.
- Griffith, Ronald G. Type positioning mechanism of telegraph printing apparatus. 2,911,472, 11-3-59, Cl. 178-34.
- Griffiths, Clyde C., to Whiting Corp. Foundry ladle transfer car. 2,889,597, 6-9-59, Cl. 22-82.
- Griffiths, E. F. Co.: See—  
Raub, William A., and Ullman. 2,884,782.
- Griffiths, Edgar J. Filter for sampling fluids. 2,895,613, 7-21-59, Cl. 210-130.
- Griffiths, Edward: See—  
Newcomer, Jacob R., Jr., and Griffiths. 2,879,123.
- Griffiths, Francis M., to Kelvin & Hughes Ltd. Navigational time distance map instrument. 2,916,203, 12-8-59, Cl. 235-61.
- Griffiths, Jack, and W. G. Harland, to The British Cotton Industry Research Association. Printing of fabrics. 2,899,264, 8-11-59, Cl. 8-148.
- Griffiths, Thomas A.: See—  
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- Griffiths, Warren P. Hand washboards. 2,879,656, 3-31-59, Cl. 68-220.
- Grifo, Richard A., to Colgate-Palmolive Co. Liquid detergent composition. 2,908,651, 10-13-59, Cl. 252-153.
- Grifo, Richard A., and R. L. Mayhew, to General Aniline & Film Corp. Drying oil compositions containing N-substituted hydroxy butyryl amide. 2,872,332, 2-3-59, Cl. 106-252.
- Grigger, John C.: See—  
Miller, Henry C., and Grigger. 2,872,405.
- Griggs, Nelson S. Sap collection system. 2,877,601, 3-17-59, Cl. 47-52.
- Griggs, William H., and H. G. Curme, to Eastman Kodak Co. Preparation of coatings of improved internal strength. 2,875,054, 2-24-59, Cl. 96-85.
- Griggs, William H., and F. A. Butler, to Eastman Kodak Co. Photographic paper having reduced processing curl. 2,875,055, 2-24-59, Cl. 96-85.
- Griggs, William H., and R. D. Zafrann, to Eastman Kodak Co. Method of preparing webs from cellulose esters. 2,887,429, 5-19-59, Cl. 162-146.
- Grim, Clyde D. Positive seal, quick opening cap for pressure vessels. 2,877,921, 3-17-59, Cl. 220-39.
- Grim, Otto: See—  
Waas, Heinrich, Ehlers, and Grim. 2,902,964.
- Grimal, Adolf. Stereo camera tandem mount. 2,891,458, 6-23-59, Cl. 95-86.
- Grimal, Adolf. Stereo projection slide mounting device. 2,902,900, 9-8-59, Cl. 85-29.
- Grimal, Adolf. Film mask. 2,908,986, 10-20-59, Cl. 40-152.
- Grimes, James E. Electrical outlet protector. 2,891,102, 6-16-59, Cl. 174-67.
- Grimes Mfg. Co.: See—  
Greenlee, Paul H. 2,874,269.
- Grimes, Paul R., to Firetaps Fuel & Chemical Corp. Fast kindling solid fuel. 2,916,364, 12-8-59, Cl. 44-6.
- Grimes, Ralph H.: See—  
Farr, Alton E., Grimes, and Schub. 2,881,646.
- Grimes, Roland S. Calendar. 2,901,848, 9-1-59, Cl. 40-116.
- Grimm, Bruce F., to United States of America, Army. Collapsible fuel tank. 2,884,978, 5-5-59, Cl. 150-5.
- Grimm, Henry G., Jr. Soap holder. 2,900,757, 8-25-59, Cl. 45-28.
- Grimm, Oliver K.: See—  
Hills, Donald W., and Grimm. 2,897,615.
- Grimm, Phyllis W., and D. L. Baker, to Basic Products Corp. Maltin process. 2,901,401, 8-25-59, Cl. 195-71.
- Grimme, Walter, H. Schwarzhans, and J. Wöllner, to Rheinpreussen Aktiengesellschaft für Bergbau und Chemie. Preparation of ketones from ketols. 2,913,497, 11-17-59, Cl. 260-593.
- Grimone, Frank H., to Sylvania Electric Products Inc. Hair pin heater, former and cutter. 2,871,890, 2-3-59, Cl. 140-71.
- Grimshaw, Charles: See—  
Euler, George M., and Grimshaw. 2,877,317.
- Grimshaw, Charles S., to General Electric Co. Automatic defrosting evaporator arrangement. 2,899,801, 8-18-59, Cl. 62-156.
- Grimshaw, Perry L., to Mayville Boat Carrier, Inc. Boat loading and carrying device for attachment to automobiles. 2,889,950, 6-9-59, Cl. 214-450.
- Grimson Color Inc.: See—  
Ehrenhaft, Franz F., Rosin, and Cawein. 2,884,483.
- Grinage, Claude M.: See—  
Bullard, Edward C., and Grinage. 2,890,298.
- Grinage, Claude M., to The Bullard Co. Plural machine control system. 2,887,268, 5-19-59, Cl. 235-132.
- Grinage, Claude M., to The Bullard Co. Horizontal boring mill. 2,887,906, 5-26-59, Cl. 77-3.
- Grindle, Eugene L., and J. L. Savage, to Deterjet Corp. Vibrating reed vibrometer. 2,900,817, 8-25-59, Cl. 73-70.2.
- Grindle, Eugene L., and E. G. Pickels. Liquid and vacuum cleaning machine. 2,909,800, 10-27-59, Cl. 15-321.
- Grindrod, George E. Method for sterilizing surfaces of food materials. 2,903,367, 9-8-59, Cl. 99-162.
- Grindrod, George E. Sterile packaged food. 2,904,441, 9-15-59, Cl. 99-174.
- Grindstaff, Ray. A. Fishing bait holder. 2,916,845, 12-15-59, Cl. 43-4.
- Griner, Arthur J., to National Biscuit Co. Sandwich machines. 2,868,141, 1-13-59, Cl. 107-1.
- Griner, Arthur J., to National Biscuit Co. Rotary dough-sheet cutters. 2,887,964, 5-26-59, Cl. 107-23.
- Griner, Richard R. Soap holder. 2,881,557, 4-14-59, Cl. 45-28.
- Grinerich, Joseph J., to General Electric Co. Protection system. 2,875,344, 2-24-59, Cl. 250-95.
- Gring, John L.: See—  
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Teter, John W., Gring, and Erickson. 2,898,308.
- Grinnell Corp.: See—  
Blease, Malcolm T. 2,913,516.  
Boteler, Henry W. 2,892,613.  
Bray, Geddes A. 2,871,953.  
Loepsinger, Albert J. 2,913,183.  
Parlin, Raymond W. 2,913,184.  
Thielsen, Helmut J. 2,905,824.  
Zollinger, Alfred. 2,919,088.
- Grinnell, Stuart W.: See—  
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- Grinspoon, Harold, to Multi-Carton Corp. Open-ended carton for packaging paper cups and other articles. 2,899,049, 8-11-59, Cl. 206-65.

- Grinstead, Carl E., to Photocon Research Products. Pressure indicator. 2,896,138, 7-21-59, Cl. 317-246.
- Grinstead, Robert R., to United States of America, Atomic Energy Commission. Slurry solvent extraction process for the recovery of metals from solid materials. 2,869,979, 1-20-59, Cl. 23-14.5.
- Grinstead, Robert R., to United States of America, Atomic Energy Commission. Process for the recovery of metals from high-lime carnotite ores. 2,869,980, 1-20-59, Cl. 23-14.5.
- Grinstead, Sanford R., and J. B. Hanner, to Swift & Co. Packaging apparatus. 2,918,767, 12-29-59, Cl. 53-112.
- Grip, Erik K., to Aktiebolaget Atvidaberg-Facit. Zeroizing mechanism for calculating machines of the pin wheel type. 2,907,518, 10-6-59, Cl. 235-81.
- Grip Nut Co.: See—  
Abbott, Gail C. 2,880,868.  
Kass, Lawrence W., and Massey. 2,880,826.  
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- Grip, William H.: See—  
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- Grisanti, Amedeo. Waist grip for garments. 2,905,948, 9-29-59, Cl. 2-237.
- Griscom-Russell Co., The: See—  
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- Gardner, Karl A., R. Gardner, Jr., and Boni. 2,911,200.
- Gardner, Raymond, Jr. 2,868,953.
- Hammersley, Gordon D. 2,872,065.
- Munro, Robert W. 2,910,275.
- Root, Clarence G. 2,903,153.
- Ryder, Anthony J. 2,914,346.
- Vaaler, Luther E. 2,919,115.
- Grisdale, George L., to Marconi's Wireless Telegraph Co. Ltd. Phase measuring circuit arrangements. 2,877,416, 3-10-59, Cl. 324-83.
- Grisel, Yvan V., to Maison Tschanz Comptoir de la Parfumerie S. A. Lipstick holder. 2,872,033, 2-3-59, Cl. 206-56.
- Griset, Ernest J., Jr., to E. I. du Pont de Nemours and Co. Method and apparatus for crimping yarn. 2,874,443, 2-24-59, Cl. 28-1.
- Griset, Ernest J., Jr., to E. I. du Pont de Nemours and Co. Production of curly yarn. 2,874,444, 2-24-59, Cl. 28-1.
- Griset, Ernest J., Jr., to E. I. du Pont de Nemours and Co. Bulking yarn. 2,874,445, 2-24-59, Cl. 28-1.
- Griset, Ernest J., Jr., to American Enka Corp. Spin bath arrangement. 2,881,473, 4-14-59, Cl. 18-8.
- Griset, Ernest J., Jr., to American Enka Corp. Continuous spinning method. 2,881,906, 4-14-59, Cl. 203-1.
- Griset, Ernest J., Jr., to American Enka Corp. Spinning tube. 2,899,265, 8-11-59, Cl. 8-151.2.
- Grisham, Simon, to William Gluckin & Co., Inc. Double bodied fiber. 2,888,018, 5-26-59, Cl. 128-546.
- Grishin, Peter F., Z. Szaloki, and E. H. Zimmermann, Jr., to Whittin Machine Works. Spinning ring. 2,889,679, 6-9-59, Cl. 67-119.
- Griss, Charles H.: See—  
McAuley, James W., Griss, and McCown. 2,883,310.
- Griss, Charles H., and N. V. Huber, to Libbey-Owens-Ford Glass Co. Apparatus for optical inspection of glass sheets. 2,889,737, 6-9-59, Cl. 88-14.
- Grissett, Andrew F. Combination tree girdler and punch. 2,870,572, 1-27-59, Cl. 47-1.
- Griswold, Charles J., Jr., to General Motors Corp. Guide roller. 2,912,288, 11-10-59, Cl. 308-6.
- Griswold Co.: See—  
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Griswold, Roger W. 2,885,162.
- Griswold, David E., to D. G. Griswold. Fueling and defueling system. 2,868,226, 1-13-59, Cl. 137-561.
- Griswold, David E. Fixed interval time-controlled fluid distribution system. 2,875,428, 2-24-59, Cl. 299-25.
- Griswold, David E., to D. G. Griswold. Batch feed apparatus. 2,878,969, 3-24-59, Cl. 222-133.
- Griswold, David E., to D. G. Griswold. Flow rate controller. 2,888,032, 5-26-59, Cl. 137-486.
- Griswold, David E., to D. G. Griswold. Flow control valve. 2,912,997, 11-17-59, Cl. 137-456.
- Griswold, Donald G.: See—  
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- Griswold, Elizabeth M.: See—  
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- Griswold Engineering Ltd.: See—  
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- Griswold, Frederick D.: See—  
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- Griswold, Hector W.: See—  
Drellich, Arthur H., and Griswold. 2,880,111.  
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- Griswold, Roger W., II, to E. M. Griswold, d.b.a. Griswold Co. Circulatory jet airfoils. 2,885,160, 5-5-59, Cl. 244-40.
- Griswold, Roger W., II, to E. M. Griswold, d.b.a. Griswold Co. Integrated jet-wing. 2,885,162, 5-5-59, Cl. 244-42.
- Grob, Benjamin. Groove rolling machine. 2,905,033, 9-22-59, Cl. 80-16.
- Grob & Co. Akt.: See—  
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- Grob, Cyril, to Ciba Pharmaceutical Products, Inc. Phenylquinuclidine compounds. 2,917,515, 12-15-59, Cl. 260-293.
- Grob, Cyril A., to Ciba Pharmaceutical Products, Inc. New quinuclidine derivatives. 2,868,792, 1-13-59, Cl. 260-293.
- Grob, Cyril A., to Ciba Pharmaceutical Products, Inc. New quinuclidines. 2,901,456, 8-25-59, Cl. 260-293.
- Grob, Cyril A., and O. Schindler, to Tadeus Reichstein. Reduction of alkylendioxy-alkyloxy-methyl-hydrophenanthrenes. 2,880,212, 3-31-59, Cl. 260-340.9.
- Grob, Karl: See—  
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- Grobecker, Hugo H.: See—  
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- Grobecker, Hugo H., to Cleaver-Brooks Co. Chamfering tool. 2,899,551, 8-18-59, Cl. 77-66.
- Grobel, Lloyd P.: See—  
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- Gröber, Christian, to Pleuger K.G. Electro-magnetic device for pumping liquids. 2,898,860, 8-11-59, Cl. 103-53.
- Grober, Johann C.: See—  
Pleuger, Friedrich W., and Grober. 2,869,474.
- Grobert, Horace: See—  
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- Grobl, Jon E., and G. Zickler, to Friden, Inc. Ten key adding machine clearing mechanism. 2,883,105, 4-21-59, Cl. 235-60.
- Grobman, William: See—  
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- Grobman, William, to Samuel M. Langston Co. Hydraulically loaded feed rolls for corrugated paper stock. 2,873,968, 2-17-59, Cl. 271-51.
- Grochen, Charles M., to Tonka Toys, Inc. Toy vehicle cab construction. 2,916,851, 12-15-59, Cl. 46-221.
- Grocock, Ralph A.: See—  
Smith, John E., Charlton, and Grocock. 2,911,817.
- Grodsky, Arthur, now by change of name Aaron Grodsky, 50% to H. C. Angstreich. Rotatable leg hinge and cover for table. 2,875,008, 2-24-59, Cl. 311-114.
- Groebe, John L.: See—  
Flavin, Thomas C., and Groebe. 2,890,251.
- Groendijk, Hendrik: See—  
Van Doorn, Adriaan G., Groendijk, and Jonker. 2,890,376.
- Van Overbeck, Adriaan J. W. M., and Groendijk. 2,916,662.
- Groendijk, Hendrik, to North American Philips Co., Inc. Magnetron-type beam switching tube. 2,878,420, 3-17-59, Cl. 315-84.6.
- Groenema, Jan J. Improvements in tuyere blocks for underfeed stokers. 2,918,025, 12-22-59, Cl. 110-44.
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- Groendyke, Goethe M., to Socony Mobil Oil Co., Inc. System for visual display of transients. 2,912,673, 11-10-59, Cl. 340-15.
- Groenhuis, Harm, to North American Philips Co., Inc. Packing tube. 2,868,437, 1-13-59, Cl. 229-90.
- Groetch, Donald J., to Standard Oil Co. Lubricant composition. 2,916,447, 12-8-59, Cl. 252-32.7.
- Groff, Gaylord L.: See—  
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- Grogan, Charles H.: See—  
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- Grogan, Edward C., to Minneapolis-Honeywell Regulator Co. Air-pressure-operated proportional band adjustment. 2,889,941, 6-2-59, Cl. 137-86.
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- Grohmann, Walter: See—  
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- Grohmann, Walter, and W. Kurz, to Siemens & Halske Aktiengesellschaft. Automatic P.B.X. system providing different classes of service. 2,903,519, 9-8-59, Cl. 179-18.
- Grohs, Wilhelm N.: See—  
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- Groll, Alvin F. Tilttable cradle. 2,877,961, 3-17-59, Cl. 242-78.7.
- Groll, Alvin F. Guide rail adjusting mechanism. 2,914,204, 11-24-59, Cl. 214-501.
- Groll, Kenneth R.: See—  
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- Groll, Manfred: See—  
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- Groll, Thomas F., Jr.: See—  
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- Gronau, Hans, to Victoria Machine Tool Co. Ltd. Slotting mechanism. 2,905,063, 9-22-59, Cl. 90-43.
- Grönberg, Anton B. Device for simultaneously cutting and crushing straw. 2,892,478, 6-30-59, Cl. 146-123.
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- Gronemeyer, Heinz, to E. Hoogland, zuschneidemaschinen-fabrik. Grinding device for cloth cutting machines and the like. 2,911,772, 11-10-59, Cl. 51-250.
- Gronemeyer, Erich W., to Container Corp. of America. Container construction. 2,876,926, 3-10-59, Cl. 220-39.
- Groner, Theron A.: See—
- Kranz, Carl L., and Groner. 2,899,325.
- Gronewold, Arthur E.: See—
- Faber, Aloisius W., and Gronewold. 2,874,507.
- Groombridge, Denis W.: See—
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- Groombridge, Denis W., S. G. Hawtin, and J. Downing, to British Celanese Ltd. Manufacture of voluminous yarns. 2,904,953, 9-22-59, Cl. 57-157.
- Groot, Cornelis. Process and apparatus for producing molded articles. 2,878,727, 3-24-59, Cl. 92-54.
- Groot, Theodor C., J. C. Janssen, J. D. Stephenson, and F. G. Blackler, to North American Phillips Co., Inc. Method of manufacturing cathode ray tubes, more particularly television picture tubes. 2,907,619, 10-6-59, Cl. 316-21.
- Grootenhuys, Pieter: See—
- Hughes, Edward M., Howland, and Grootenhuys. 2,870,231.
- Grootenhuys, Hendrik: See—
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- Bosse, Robert W. 2,913,933.
- Gropp, Karl H., to Ford Motor Co. Valve gear. 2,908,262, 10-13-59, Cl. 123-90.
- Grosse, Ansel B. Variable restrictor for gas flow. 2,877,802, 3-17-59, Cl. 138-41.
- Groscholz, James R., to Air-Shields, Inc. Rocking bed mechanism. 2,872,917, 2-10-59, Cl. 123-28.
- Groscholz, James R., to Air-Shields, Inc. Atomizer construction. 2,878,067, 3-17-59, Cl. 299-142.
- Groscholz, James R., to Air-Shields, Inc. Occupant retention equipment for rocking bed. 2,883,981, 4-28-59, Cl. 128-28.
- Groscholz, Richard. Drafting implements. 2,896,325, 7-28-59, Cl. 33-27.
- Grosjean, Johan A., to North American Phillips Co., Inc. System comprising a plurality of pulse radar apparatus. 2,881,421, 4-7-59, Cl. 343-5.
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- Grosmaire, Leon A., to The Quaker Oats Co. Stabilization of tetrahydrofurfuryl alcohol. 2,904,559, 9-15-59, Cl. 260-347.8.
- Gross, Arthur R. Power transmission mechanism having a reciprocatory element selectively operative in spaced operating zones. 2,908,172, 10-13-59, Cl. 74-40.
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- Schwartz, Samuel M., and Gross. 2,881,087.
- Gross, Florence A. Egg carton. 2,900,119, 8-18-59, Cl. 229-25.
- Gross, Frank C., to Package Machinery Co. Adhesive applying device. 2,911,942, 11-10-59, Cl. 118-202.
- Gross, Frank J. Safety butt hinge. 2,883,699, 4-28-59, Cl. 16-163.
- Gross, Frank R. Heat-transfer apparatus. 2,915,292, 12-1-59, Cl. 257-95.
- Gross, Hans-Werner: See—
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- Gross, Henry and S. Cash registers. 2,875,686, 3-3-59, Cl. 101-96.
- Gross, Herbert M., to Commercial Solvents Corp. Production of non-turbid bacitracin solutions. 2,889,251, 6-2-59, Cl. 167-65.
- Gross, Herbert M., and R. A. Shurter, Jr., to Commercial Solvents Corp. Wax-coated penicillin product. 2,902,407, 9-1-59, Cl. 167-82.
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- Gross, John H., to International Minerals & Chemicals Corp. Method of recovering thorium. 2,915,363, 12-1-59, Cl. 23-14.5.
- Gross, Julian E., to United States of America, Atomic Energy Commission. Variable time-interval generator. 2,886,775, 5-12-59, Cl. 324-68.
- Gross, Karl W., to VEB Leuna-Werke "Walter Ulbricht." Process of enhancing the operating efficiency of a multi-oven ammonia-synthesizing system. 2,919,176, 12-29-59, Cl. 23-198.
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- Gross, Theodore J., to Union Bag-Camp Paper Corp. Device for simultaneously cutting the corners of a box to provide closure flaps. 2,915,932, 12-8-59, Cl. 83-440.
- Gross, Thomas A. O., and J. A. Sheehan, to Raytheon Co. Dual channel noise coherence reducers. 2,914,762, 11-24-59, Cl. 343-5.
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- Reid, Robert J., and Gross. 2,916,537.
- Gross, Willard A.: See—
- Kester, Dwayne A., and Gross. 2,908,808.
- Gross, William J., and E. A. Chudkowski. Dressing. 2,898,910, 8-11-59, Cl. 128-156.
- Grossberg, Arnold L., to California Research Corp. Method for recovering asphaltic products from mixtures thereof with water. 2,879,222, 3-24-59, Cl. 208-85.
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- Batinn, Jerome R., and Grosse. 2,895,563.
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- Grosseltinger, Frederick B.: See—
- Garbo, Paul W., and Grosseltinger. 2,906,696.
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- Grosser, Hermann K. M., and P. Harkema, to North American Phillips Co., Inc. System for guarding the transmission of messages. 2,912,484, 11-10-59, Cl. 178-4.1.
- Grossi, Frank X.: See—
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- Grosskinsky, Otto, A. Adelsberger, and W. Klempt. Purification of coal distillation gases. 2,884,304, 4-28-59, Cl. 23-3.
- Grosskinsky, Otto, B. Juttner, W. Klempt, and W. Thurauf. Method of processing mixtures of carboxylic acids. 2,879,288, 3-24-59, Cl. 260-475.
- Grosskinsky, Otto, and H. Umbach. Method of producing ammonium sulfate and ammonium thiosulfate. 2,898,190, 8-4-59, Cl. 23-115.
- Grosskopf, Karl, to O. H. Drager. Method of determining carbon dioxide in gases. 2,880,072, 3-31-59, Cl. 23-232.
- Grosskopf, Karl, to O. H. Drager. Gas detecting device. 2,908,555, 10-13-59, Cl. 23-254.
- Grosskortenhaus, Fred. Openable suspended ceilings. 2,890,583, 6-16-59, Cl. 72-118.
- Grossman, Abraham. Curtain wall construction. 2,885,040, 5-5-59, Cl. 189-72.
- Grossman, Evelyn. Heel protector. 2,875,534, 3-3-59, Cl. 36-72.
- Grossman, Harry C. Hydraulic valve lifter tool. 2,882,391, 4-21-59, Cl. 29-213.
- Grossman, Jack J., to The Ralph M. Parsons Co. Telemetry system. 2,917,728, 12-15-59, Cl. 340-203.
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- Grossman, Murray. Trash or garbage can guard. 2,904,210, 9-15-59, Cl. 220-12.
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- Grossowicz, Nathan, and S. Ratner, to Ciba Pharmaceutical Products, Inc. Metal salts of formo-sulfathiazole. 2,904,547, 9-15-59, Cl. 260-239.65.
- Gross, Emil, to The Elgro Machine Tool Co., Ltd. Power brushing machines. 2,870,467, 1-27-59, Cl. 15-21.
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- Grosz, Stephen J., to American Cyanamid Co. Preparation of compounds containing silicon and boron. 2,915,543, 12-1-59, Cl. 260-448.2.
- Grosz, Stephen J., and J. A. Hall, to American Cyanamid Co. Method of preparing polymers of monomeric cyclotrisilazanes. 2,885,370, 5-5-59, Cl. 260-2.
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- Grotelueschen, Oliver H., W. D. Henry, and A. R. Brinkhoff, to Essex Wire Corp. Electromagnetic relay. 2,868,925, 1-13-59, Cl. 200-104.
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- Jessup, Wilbur F., and Grove. 2,889,665.
- Grove, George L., to The Cincinnati Milling Machine Co. Incremental feed mechanism. 2,882,649, 4-21-59, Cl. 51-103.
- Grove, John L. Mobile hydraulic crane. 2,911,111, 11-3-59, Cl. 212-55.
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- Stuewer, Reinhold F. 2,897,577.
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- Grove, William G. Vehicle tie. 2,882,950, 4-21-59, Cl. 152-302.
- Grovemiller, Dale A., and J. Kastelle, to General Electric Co. Printed circuit lamp base. 2,892,992, 6-30-59, Cl. 339-145.
- Grover, Charles F., and P. E. Stoyer, to R. D. Werner Co., Inc. High clearance scaffold. 2,917,129, 12-15-59, Cl. 182-152.
- Grover, Donald P., to United States of America, Army. Retractable firing pin. 2,868,081, 1-13-59, Cl. 89-135.
- Grover, Frank S., and T. F. Lavery, to The Firestone Tire & Rubber Co. Apparatus for testing natural and synthetic rubbers at high temperatures. 2,904,993, 9-22-59, Cl. 73-15.6.
- Grover, L. Chace: See—
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- Groves, Harold W. Arrow runout tester and straightener. 2,876,822, 3-10-59, Cl. 153-39.
- Groves, Howard T. Step ladder. 2,868,426, 1-13-59, Cl. 228-31.
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- Groves, James R. Vacuum ejector for dental debris. 2,885,782, 5-12-59, Cl. 32-33.
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- Groves, Kenneth D., to American Viscose Corp. Drilling fluids and method of preventing loss thereof from well holes. 2,912,380, 11-10-59, Cl. 252-8.5.
- Groves, Ronald C., to General Motors Corp. Charge forming means for an internal combustion engine. 2,869,527, 1-20-59, Cl. 123-119.
- Groves, Ronald C., to General Motors Corp. Fuel injection system. 2,891,531, 6-23-59, Cl. 123-140.
- Groves, Ronald C., to General Motors Corp. Fuel injection system. 2,895,461, 7-21-59, Cl. 123-119.
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- Grube, Wolfgang O., T. S. Shultz, and G. O. Walter, to Mergenthaler Linotype Co. Lenslet assembly for photocomposing machines. 2,917,980, 12-22-59, Cl. 95-4.5.
- Gruber, Edward P., W. J. Millinchuk, and A. R. Schettel, to Olin Mathieson Chemical Corp. Container. 2,915,640, 12-1-59, Cl. 250-108.
- Gruber, Alfred A.: See—
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- Gruber, Arnold H., to American Cyanamid Co. Antistatic treatment with a quaternary ammonium compound containing a polyethoxy grouping and products thereof. 2,897,170, 7-28-59, Cl. 260-32.6.
- Gruber, David, and W. D. Winkler, said Winkler assignor to said Gruber. Telephone clock. 2,895,549, 7-21-59, Cl. 161-19.
- Gruber, Helmut, and H. Scheldig, to W. C. Heraeus, G.m.b.H. Arc melting. 2,889,386, 6-2-59, Cl. 13-13.
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- Gruber, Warren M., to Tinius Olsen Testing Machine Co. Balancing equipment. 2,909,948, 10-27-59, Cl. 77-5.
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- Gruenhagen, Richard H., and L. L. Fritts, to The Dow Chemical Co. Functional compositions comprising 6-alkyl-3-cyclohexyl-3,4-dihydro-2H-1,3-benzoxazines and method of use. 2,897,113, 7-28-59, Cl. 167-33.
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- Gruetner, Gerhard G., D. R. Church, and M. Kenny, to Huettesonic Corp. Machine for cleaning small parts. 2,910,390, 10-27-59, Cl. 134-1.
- Gruget, André, J. Cousteau, and E. Gagnan, to La Spirotechnique. Breathing apparatus. 2,918,061, 12-22-59, Cl. 128-142.
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- Grulke, Carl A., and R. P. Fox, to Union Carbide Corp. Primary battery with controllable cathode potential. 2,880,123, 3-31-59, Cl. 136-138.
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- Albert, Edward J. 2,870,471.
- Grummitt, Oliver J., and J. A. Stearns, to The Sherwin-Williams Co. Alpha, gamma diketones in combination with metallo-organic driers as drying accelerators for siccative coatings. 2,894,849, 7-14-59, Cl. 106-310.
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- Grund, Carl C. Massage apparatus. 2,912,976, 11-17-59, Cl. 128-62.
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- Rätz, Rudi F. W., and Grundmann. 2,876,248.
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- Grundmann, Christoph J., and A. Kreutzberger, to Olin Mathieson Chemical Corp. Process. 2,872,485, 2-3-59, Cl. 260-564.
- Grundmann, Christoph J., and A. Kreutzberger, to Olin Mathieson Chemical Corp. Polymers of 4,6-bis-trichloromethyl 1,3,5-triazine. 2,884,383, 4-28-59, Cl. 260-2.
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- Grundy, Edward K., deceased, by M. L. and J. M. Grundy, executors. Ceilings, walls, partitions, doors, and like structures. 2,891,638, 6-23-59, Cl. 189-34.
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- Grundy, Edward K. 2,891,638.
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- Johnson, Archie G. 2,907,199.
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- Haas, Hermann A. Kirstahler, W. Gündel, and W. Strauss, to Dehydtag, Deutsche Hydrierwerke G.m.b.H. Production of metal electrodeposits. 2,893,932, 7-7-59, Cl. 204-49.
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- Back, Leonard, and Haas. 2,896,382.
- Haase, Harry H., to Republic Aviation Corp. In-flight refueling assembly. 2,879,016, 3-24-59, Cl. 244-135.
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- Haber, Christian. Injection equipment. 2,875,760, 3-3-59, Cl. 128-215.
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- Hagenbook, Loy D., and R. A. Kopelkin, to Goodman Mfg. Co. Self-tightening clamp. 2,903,770, 9-15-59, Cl. 24-126.
- Hagenhaus, Kurt, to Siemens & Halske, Akt. Signalling system for simultaneously transmitting a plurality of messages. 2,877,304, 3-10-59, Cl. 179-15.
- Hagenlocher, Ernest. Torsionally resilient flexible couplings. 2,877,633, 3-17-59, Cl. 64-13.
- Hager, Bror O. Aqueous composition consisting of ammonia and a heavy metal salt of mixed polychlorophenols. 2,908,607, 10-13-59, Cl. 167-38.7.
- Hager, Karl F.: See—  
Michel, Josef M., and Hager. 2,869,995.
- Hager & Meisinger G.m.b.H.: See—  
Heppie, Karl R. W. 2,902,763.
- Hager, Robert E.: See—  
Winkler, Alvin L., Hager, and Falck-Pedersen. 2,882,814.
- Hager, Robert E., to Acme Steel Co. Hydraulic stitchee. 2,884,635, 5-5-59, Cl. 1-44.4.
- Hager, Robert R., to Bendix Aviation Corp. Governor switch. 2,872,540, 2-3-59, Cl. 200-67.
- Hagerty, Andrew T., to The Adlake Co. Window. 2,888,721, 6-2-59, Cl. 20-69.
- Hagerty, Andrew T., to The Adlake Co. Window movement limiting device. 2,904,855, 9-22-59, Cl. 20-52.
- Hagerty, Charles L. Metal finishing machine. 2,872,759, 2-10-59, Cl. 51-170.
- Hagerty, Elliot B.: See—  
Bush, Jess A., Freeman, and Hagerty. 2,884,358.
- Hagerty, Peter F.: See—  
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- Hagg, Arthur C.: See—  
Cametti, Benjamin, and Hagg. 2,887,061.
- Haggadone, L. V., 51% to Hardt Foundation, and 9% to S. C. Bronson. Electrically operated selector. 2,888,665, 5-26-59, Cl. 340-168.
- Haggard, John M., and P. H. McMurray, to Delphi Products Co., Inc. Combination vehicle. 2,870,928, 1-27-59, Cl. 214-373.
- Haggard & Marcusson Co.: See—  
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- Hagge, Walter, M. Quaedvlieg, and H. Selfert, to Farbenfabriken Bayer Aktiengesellschaft. Sulphonamides of organic polymers. 2,906,715, 9-29-59, Cl. 260-2.1.
- Haggerty, William A.: See—  
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- Hagiwara, Masa. Cam device of hand knitting machine. 2,879,653, 3-31-59, Cl. 66-60.
- Hagler, Charles R., to General Motors Corp. Vehicle anti-roll device and power steering control therefor. 2,893,751, 7-7-59, Cl. 280-112.
- Haglund, Didrik W., to Sandvikens Jernverks Aktiebolag. Rock drill cutting insert of sintered hard metal. 2,888,247, 5-26-59, Cl. 255-63.
- Haglund, Didrik W., to Sandvikens Jernverks Aktiebolag. Rock drill cutting insert. 2,889,138, 6-2-59, Cl. 255-64.
- Haglund, Erik A. E., to Aktiebolaget Torsien Lagerman. Connecting device. 2,879,087, 3-24-59, Cl. 287-54.
- Haglund, John H.: See—  
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- Hagman, Ernest F.: See—  
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- Hagmann, Robert W.: See—  
Cooper, John C., and Hagmann. 2,875,374.
- Hagner, Frederick H. Mechanical universe instrument. 2,892,268, 6-30-59, Cl. 35-47.
- Hagopian, Jacob J. Light responsive amusement device. 2,896,085, 7-21-59, Cl. 250-78.
- Hagopian, Jacob J., to International Business Machines Corp. Motion transmission device. 2,896,456, 7-28-59, Cl. 74-18.

- Hagopian, Jacob J., to International Business Machines Corp. Magnetic recording surface. 2,913,246, 11-17-59, Cl. 274-41.4.
- Hagopian, Jacob J., to International Business Machines Corp. Magnetic coating composition. 2,914,480, 11-24-59, Cl. 252-62.5.
- Hags, Joseph W., to United States Steel Corp. Apparatus for determining the net weight of material in a container. 2,871,006, 1-27-59, Cl. 265-70.
- Hags, Joseph W., to United States Steel Corp. Weighing balance. 2,910,287, 10-27-59, Cl. 265-27.
- Hagshpil, Paul, to Accumulatoren-Fabrik Aktiengesellschaft. Sintered plate electrode with expanded-metal grid. 2,909,586, 10-20-59, Cl. 136-28.
- Hague, Lou R. Vehicle signalling system for indicating the amount of applied brake pressure. 2,891,234, 6-16-59, Cl. 340-69.
- Hague, Louise D.: See—  
Jezl, James L., and Hague. 2,880,253.
- Hagy, John T. Journal lubricator. 2,902,324, 9-1-59, Cl. 308-243.
- Hahn, Robert G., and H. N. Lowe, Jr. Fluidized solids diffuser. 2,883,240, 4-21-59, Cl. 302-29.
- Hahn, Alexander. Adjustable shore. 2,918,257, 12-22-59, Cl. 254-105.
- Hahn, Carl-Georg: See—  
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- Hahn, Donald E., to General Electric Co. Combination electronic and electric ranges. 2,919,336, 12-29-59, Cl. 219-10.55.
- Hahn, Elmer H., Jr., to The Leeco-Neville Co. Flexible drive. 2,907,214, 10-6-59, Cl. 74-6.
- Hahn, Emil H., to Lambert Brake Corp. Hydraulically and mechanically operated disc brake. 2,874,807, 2-24-59, Cl. 188-72.
- Hahn, Emil H., to Lambert Brake Corp. Self-energizing disc brake and self-adjuster means therefor. 2,878,900, 3-24-59, Cl. 188-72.
- Hahn, Erwin L. Pulsed nuclear induction spin echo technique. 2,887,673, 5-19-59, Cl. 346-173.
- Hahn, Frank J., to Monsanto Chemical Co. Latex base exterior protective coating compositions. 2,889,236, 6-2-59, Cl. 117-72.
- Hahn, Frank J. Fish pole holder. 2,900,152, 8-18-59, Cl. 248-42.
- Hahn, Frederick S., to High Voltage Engineering Corp. Gas leak. 2,887,294, 5-19-59, Cl. 251-129.
- Hahn, George W.: See—  
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- Hahn, Gilbert B.: See—  
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- Hahn, Gilbert B., to The Murray Ohio Mfg. Co. Bicycle kick stand. 2,912,255, 11-10-59, Cl. 280-301.
- Hahn, Helmut: See—  
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- Hahn, Jerome G., to Jacoby-Bender, Inc. Display container for bracelets or the like. 2,892,541, 6-30-59, Cl. 206-78.
- Hahn, Otto, to Glasbau Heinrich Hahn. Glass unit for structure glazing. 2,907,078, 10-6-59, Cl. 20-52.
- Hahn, Ralph E. Playable record album. 2,881,004, 4-7-59, Cl. 274-1.
- Hahn, Richard H., and H. V. French. Valve for filling, draining, venting and pressure build-up of an oxygen supply tank. 2,916,061, 12-8-59, Cl. 141-349.
- Hahn, Robert S., to The Heald Machine Co. Chucking device. 2,873,121, 2-10-59, Cl. 279-4.
- Hahn, Robert S., and G. D. Johnson, to The Heald Machine Co. Grinding machine. 2,881,568, 4-14-59, Cl. 51-50.
- Hahn, Roy C. Combined miter box and corner clamp. 2,908,300, 10-13-59, Cl. 143-86.
- Hahn, Theodor. Tool feed control means operable in one direction of movement and inoperable in the reverse direction. 2,884,653, 5-5-59, Cl. 10-105.
- Hahn, Werner: See—  
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- Hahne, Karl H.: See—  
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- Hahnel, Alwin, to United States of America, Army. Spectrum generator. 2,868,976, 1-13-59, Cl. 250-36.
- Hahnel, Alwin, to United States of America, Army. Crystal controlled spectrum generator. 2,868,977, 1-13-59, Cl. 250-36.
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- Hahnel, Alwin, to United States of America, Army. Frequency multiplier. 2,911,596, 11-3-59, Cl. 331-174.
- Haldegger, Hans, to Ebauches S.A. Method of manufacture of packing. 2,899,782, 8-18-59, Cl. 53-14.
- Haldegger, Hans M., to Ebauches S.A. Instrument for linear measurement and/or tolerance testing of workpieces. 2,906,028, 9-29-59, Cl. 33-143.
- Haldinger, Walter A., to North American Philips Co., Inc. Compact source lamp. 2,887,603, 5-19-59, Cl. 313-184.
- Haldler, Bernard J.: See—  
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- Haigh, Daniel H.: See—  
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- Haigler, Edmund D.: See—  
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- Haigler, Edmund D., to Fischer & Porter Co. Pointer and pen carrying mechanism for indicators, controllers and recorders. 2,911,278, 11-3-59, Cl. 340-139.
- Haigler, Edmund D., W. D. Huston, and F. E. Lombard, Jr., to American Machine and Metals, Inc. Pneumatic relay. 2,907,336, 10-6-59, Cl. 137-82.
- Halles, William D., to General Railway Signal Co. Railway signaling system for the protection of trains incapable of reliably shunting track circuits. 2,895,042, 7-14-59, Cl. 246-33.
- Halles, William D., to General Railway Signal Co. Fail-safe protection for code communication control systems. 2,900,498, 8-18-59, Cl. 246-5.
- Halley, Albert M., to Siemens Edison Swan Ltd. Electric selective signalling systems. 2,871,467, 1-27-59, Cl. 340-324.
- Hallston, Ellis W.: See—  
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- Hallston, Ellis W., and H. L. Hamelster, to Remington Arms Co., Inc. Adjustable barrel and receiver connection. 2,893,153, 7-7-59, Cl. 42-75.
- Haims, Philip L. Air circulator. 2,889,980, 6-9-59, Cl. 230-134.
- Hain, Elias W.: See—  
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- Haine, Michael E., to Metropolitan-Vickers Electrical Co. Ltd. Electron optical apparatus. 2,886,727, 5-12-59, Cl. 313-76.
- Hainer, Raymond M.: See—  
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- Haines, Charles, Jr., to Armstrong Cork Co. Segmented insulation and method of installing the same. 2,890,739, 6-16-59, Cl. 154-28.
- Haines, Frank D. Towel holders. 2,915,191, 12-1-59, Cl. 211-16.
- Haines, Lewis G. Materials testing machine-grips for thin sheet material. 2,896,448, 7-28-59, Cl. 73-103.
- Haines, Marcus W.: See—  
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- Haines, Marcus W. Frictional holding device for use in wells. 2,874,783, 2-24-59, Cl. 166-212.
- Haines, Robert M.: See—  
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- Haines, Robert M., J. W. Walsh, and W. G. Annable, to The Pure Oil Co. Improving the odor of specialty naphthas. 2,882,232, 4-14-59, Cl. 252-50.
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- Haines, Theron L. File record signalling device. 2,895,448, 7-21-59, Cl. 116-135.
- Haines, William A., to A. O. Smith Corp. Centrally actuated switch. 2,870,283, 1-20-59, Cl. 200-80.
- Haining, Lester E., to Radio Corp. of America. Selective indicia production. 2,907,018, 9-29-59, Cl. 340-324.
- Hainke, Georg, to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain Chauny & Cirey. Process of making armored glass. 2,873,556, 2-17-59, Cl. 49-86.
- Hainsworth, Sidney B.: See—  
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- Hainzl, Hans.: See—  
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- Hair, Douglas W. Wheel-track gauge for motor vehicles. 2,899,753, 8-18-59, Cl. 33-203.21.
- Hair, Richard H.: See—  
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- Hair, Vincent W. Automatic valve. 2,875,778, 3-3-59, Cl. 137-386.
- Haisfield, Rudolph M.: See—  
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- Haislip, Albert S. Stiffening brace for flexible Venetian blind slats. 2,877,487, 3-17-59, Cl. 15-268.
- Haislip, Albert S. Paint pail and brush holder attachment for step-ladders. 2,907,541, 10-6-59, Cl. 248-211.
- Halt, Grant M., and J. R. Kling, to Eastman Kodak Co. Combined photographic developing and stabilizing solution. 2,875,048, 2-24-59, Cl. 96-61.
- Halt, Hyman J. Medicament display and reference case or similar article. 2,895,602, 7-21-59, Cl. 206-43.31.
- Halt, James M., to Food Machinery and Chemical Corp. Fruit feeding and orienting means. 2,907,440, 10-6-59, Cl. 198-33.
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- Hajdu, Joseph. Process of impregnating textile material to increase its wear resistance. 2,871,145, 1-27-59, Cl. 117-139.3.
- Hajny, Charles E., to Baso Inc. Thermostat for low power circuits. 2,873,328, 2-10-59, Cl. 200-138.
- Hajny, Charles E., to Baso Inc. Valve disc assembly. 2,875,975, 3-3-59, Cl. 251-86.
- Hajny, Charles E., to Baso Inc. Control apparatus and devices therefor. 2,890,016, 6-9-59, Cl. 251-137.
- Hajny, Charles E., to Minnesota Mining and Mfg. Co. Burner control system. 2,902,221, 9-1-59, Cl. 236-9.
- Hakala, Niilo V.: See—  
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- Hakala, Thomas H., to Esso Research and Engineering Co. Process for producing heavy alkylate sulfonation feedstocks. 2,886,609, 5-12-59, Cl. 260-671.
- Hake, Walter T., to American Steel Foundries. Power swiveling head. 2,880,630, 4-7-59, Cl. 77-4.
- Hake, Walter T., to American Steel Foundries. Power indexing arrangement for side head tool block. 2,898,781, 8-11-59, Cl. 74-820.
- Hakker, Petrus J.: See—  
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- Hakogi, Ichiro. Apparatus for printing the circumferential surface of square articles such as glass bottles or the like. 2,881,699, 4-14-59, Cl. 101-126.
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- Halax Corp.: See—  
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- Halber, Jerry, to W. A. Lewis and J. Halber. Hair-retaining comb. 2,902,042, 9-1-59, Cl. 132-133.
- Halberg, Robert W., and R. S. Hutton, to Borg-Warner Corp. Clutch plate. 2,902,130, 9-1-59, Cl. 192-107.
- Halberstadt, Charles C., to The Budd Co. Work handling apparatus with controlled grip mechanical hand. 2,901,126, 8-25-59, Cl. 214-1.
- Halbert, Stuart. Airfoil with means for distributing de-icing fluids. 2,876,970, 3-10-59, Cl. 244-134.
- Halbig, Paul. Spinning of polyacrylonitrile filaments. 2,878,097, 3-17-59, Cl. 18-54.
- Halbig, Paul. Shaped polyacrylonitrile structures. 2,907,096, 10-6-59, Cl. 28-82.
- Halbrook, James W., and W. O. Knaak. Folding boom. 2,919,107, 12-29-59, Cl. 254-139.1.
- Halbrook, Noah J., and R. V. Lawrence, to United States of America. Agriculture. Separation of fumaropimaric acid from fumaric-modified rosin products. 2,889,362, 6-2-59, Cl. 260-514.5.
- Halbron, Serge. Rollers for conveyors. 2,886,156, 5-12-59, Cl. 193-37.
- Haldeman, Bruce M., to General Bronze Corp. Window operator. 2,890,882, 6-16-59, Cl. 208-110.
- Haldeman, George W., to United States of America. Atomic Energy Commission. Method and apparatus for fabricating tubular units. 2,874,459, 2-24-59, Cl. 29-517.
- Haldeman, William F. Method for stabilizing semiconductor rectifiers. 2,874,448, 2-24-59, Cl. 29-25.3.
- Hale, Arlan B., to Union Carbide Corp. Partial oxidation reactor. 2,889,209, 6-2-59, Cl. 23-277.
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- Hale, Arthur N., to Union Special Machine Co. Stand for sewing machines and sewing unit comprising the same. 2,875,006, 2-24-59, Cl. 311-12.
- Hale, Arthur N., to Union Special Machine Co. Lockstitch sewing machine. 2,885,982, 5-12-59, Cl. 112-211.
- Hale, Arthur N., to Union Special Machine Co. Stripper mechanism for sewing machines. 2,887,077, 5-19-59, Cl. 112-211.
- Hale, Charles C., to E. N. Hale, by Decree of Distribution. Latch plate mounting. 2,884,277, 4-28-59, Cl. 292-341.18.
- Hale, Clifford W.: See—  
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- Hale, Harold E., to Tuner's Supply Co. Tool for the repair of piano hammers. 2,906,067, 9-29-59, Cl. 51-170.
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- Hale, John K.: See—  
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- Hale, John K., and H. G. McCarty, to Sperry Rand Corp. Agricultural implement. 2,906,077, 9-29-59, Cl. 56-1.
- Hale, Merritt W. Means for fastening trim for finishing interior surfaces of walls, etc. 2,878,845, 3-24-59, Cl. 145-1.
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- Hale, Nathan C.: See—  
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- Hale, Randall H. Cervical brace. 2,904,040, 9-15-59, Cl. 128-87.
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- Hale, William F., to Paperbox Corp. Carton for packing fruits, vegetables or the like. 2,874,889, 2-24-59, Cl. 224-23.
- Hales, Everett B.: See—  
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- Hales, Everett B., to General Precision Laboratory Inc. Automatic program control system. 2,870,429, 1-20-59, Cl. 340-147.
- Hales, Ferron. Automotive door straightening jig. 2,903,259, 9-8-59, Cl. 269-156.
- Hales, Kenneth R., to Philco Corp. Semiconductor units. 2,896,136, 7-21-59, Cl. 317-234.
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- Haley, Alfred J., Jr.: See—  
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- Haley, Bernard W., to Hillside Laboratory. Optical device for testing absorption. 2,868,062, 1-13-59, Cl. 88-14.
- Haley, Emmett L. Portable pressure fluid power devices. 2,867,086, 1-6-59, Cl. 60-51.
- Haley, Francis J. Fulcruming action pavement breaker. 2,878,002, 3-17-59, Cl. 262-9.
- Haley, Frank, to O. W. Tippet. Self-squeezing tea or coffee bag. 2,878,927, 3-24-59, Cl. 206-5.
- Haley, Harold A., to American Viscose Corp. Spinning bath circulator. 2,879,542, 3-31-59, Cl. 18-8.
- Halford, Frank B., and G. F. Clarke, to The De Havilland Engine Co. Ltd. Blade ring assemblies for axial flow compressors or turbines. 2,869,821, 1-20-59, Cl. 253-78.
- Halford, Frank B., deceased (by A. H. Bentley, G. P. Bulman, and J. H. Bentley, executors), and L. S. Snell, to The De Havilland Engine Co. Ltd. Multi-tubular wall for heat exchangers. 2,880,577, 4-7-59, Cl. 60-35.6.
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- Halfordmeyer, Rene. Magnetic duplicate sound record. 2,886,330, 5-12-59, Cl. 274-41.4.
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- Hall, Raymond R., to Socony Mobil Oil Co., Inc. Catalyst moisture control. 2,883,334, 4-21-59, Cl. 208-150.
- Hall, Raymond R., and D. F. Hill, to Socony Mobil Oil Co., Inc. Method for distributing a vapor-liquid feed and apparatus therefor. 2,898,292, 8-4-59, Cl. 208-250.
- Hall, Albert N. Machine for coating elongated articles. 2,911,943, 11-10-59, Cl. 118-425.
- Hall, Alfred.: See—  
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- Hall, Barbara A.: See—  
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- Hall, Charles C. Asphalt cutter operating under the weight of the machine. 2,890,872, 6-16-59, Cl. 262-20.
- Hall, Charles T., to Molins Machine Co. Ltd. Methods of and means for wrapping block-shaped articles. 2,867,065, 1-6-59, Cl. 53-170.
- Hall, Chauncey A. Weeding tool. 2,901,280, 8-25-59, Cl. 294-50.8.
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- Hall, Dick S.: See—  
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- Hall, Dick S., and H. W. Hennigan, to Phillips Petroleum Co. Prevention of coke depositions in a hydrocarbon coking zone. 2,875,146, 2-24-59, Cl. 208-48.
- Hall, Dick S., L. E. Dean, C. L. Seyer, and C. E. Forkel, to Phillips Petroleum Co. Apparatus for converting hydrocarbons. 2,880,078, 3-31-59, Cl. 23-288.
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- Hall, Elisha W., to F. L. & J. C. Codman Co. Rotary polishing element. 2,908,117, 10-13-59, Cl. 51-193.5.
- Hall, Elisha W., and D. R. Paone, to F. L. & J. C. Codman Co. Radial face rotary buffing element. 2,907,147, 10-6-59, Cl. 51-195.
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- Hall, Elmer D. Centralizer. 2,886,111, 5-12-59, Cl. 166-241.
- Hall, Elmer D. and J. A. Well tool mounting. 2,877,062, 3-10-59, Cl. 308-4.
- Hall, Emery L., to Whirlpool Corp. Drive apparatus. 2,888,828, 6-2-59, Cl. 74-230.7.
- Hall, Emery L., to Whirlpool Corp. Motor controller. 2,904,738, 9-15-59, Cl. 318-325.
- Hall, Flemmon P., to Pass & Seymour, Inc. Removal of flash from ceramic parts formed by pressing. 2,883,312, 4-21-59, Cl. 134-32.
- Hall, George C., R. E. Kline, and R. C. Zabor, to Gulf Research & Development Co. Hydroreforming and reactivation of catalyst with an oxygen containing gas. 2,906,697, 9-29-59, Cl. 208-136.
- Hall, George D.: See—  
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- Hall, George D., to Thornhill-Craver Co., Inc. Locking device for closures. 2,869,752, 1-20-59, Cl. 220-40.
- Hall, George E., Jr., to Wyandotte Chemicals Corp. Paper making process and product. 2,919,222, 12-29-59, Cl. 162-181.
- Hall, George L., to International Telephone and Telegraph Corp. Electron beam gun systems. 2,916,666, 12-8-59, Cl. 315-31.
- Hall, George V. B., to Thompson Ramo Wooldridge Inc. Fuel enrichment device. 2,905,165, 9-22-59, Cl. 123-179.
- Hall, George V. B., A. C. Sampletro, and A. K. Hannum, to Thompson Ramo Wooldridge Inc. Opposed free piston reciprocating gas compressor. 2,891,718, 6-23-59, Cl. 230-53.
- Hall, Guy C. Combination service entrance protection and demand control. 2,904,703, 9-15-59, Cl. 807-34.
- Hall, Harry H. Method of making pressure measuring gage means. 2,880,497, 4-7-59, Cl. 29-155.5.
- Hall, Harry H., to American Viscose Corp. Process of producing all skin rayon. 2,895,787, 7-21-59, Cl. 18-54.
- Hall, Henry D. Accessories for hair clipper. 2,882,595, 4-21-59, Cl. 30-201.
- Hall, Henry P., to General Radio Co. Electrical bridge and method. 2,872,639, 2-3-59, Cl. 324-57.
- Hall, Hugh J., to Varian Associates. Reference cell holder. 2,873,273, 3-3-59, Cl. 136-169.
- Hall, Horatio V.: See—  
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- Hall, Howard T., to Research Corp. High pressure press. 2,918,699, 12-29-59, Cl. 18-16.
- Hall, J. & E. Ltd.: See—  
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- Hall, James A.: See—  
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- Grosz, Stephen J., and Hall. 2,885,370.
- Hall, James A., to Reynolds Metals Co. Evaporators for refrigeration. 2,908,149, 10-13-59, Cl. 62-516.
- Hall, James L.: See—  
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- Hall, James R.: See—  
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- Singelmann, Dietrich E., and Hall. 2,912,188.
- Hall, James R., to Radio Corp. of America. Magnetic recording system. 2,881,255, 4-7-59, Cl. 179-15.
- Hall, Jesse E., Sr. Tool mountings. 2,897,899, 8-4-59, Cl. 166-241.
- Hall, Jesse E., Sr., and J. A. Hall. Casing stop collar to mount a well tool. 2,898,136, 8-4-59, Cl. 287-52.
- Hall, John A.: See—  
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- Hall, John A. Cementing head. 2,870,842, 1-27-59, Cl. 166-70.
- Hall, John L., and D. A. Elliott, to Curtiss-Wright Corp. Fast action hydraulic valve. 2,917,026, 12-15-59, Cl. 121-38.
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- Hall, Keith W., to Baldwin-Lima-Hamilton Corp. Ejection stroke adjusting means for powdered metal presses. 2,882,556, 4-21-59, Cl. 18-16.5.
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- Hall, Kenneth J., to Crompton & Knowles Corp. Salvages for woven fabrics. 2,918,949, 12-29-59, Cl. 139-383.
- Hall, Lawrence G., and L. G. Cole, to Consolidated Electrodynamics Corp. Chromatography. 2,891,630, 6-23-59, Cl. 183-2.
- Hall, Lester W. Holst. 2,893,567, 7-21-59, Cl. 187-9.
- Hall, Llewellyn J. Safety device for brush hog. 2,880,942, 4-7-59, Cl. 241-222.



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- Hall, Luther A. R., to E. I. du Pont de Nemours and Co. Production of poly P-xylyne polymers containing halogens. 2,914,489, 11-24-59, Cl. 260-2.
- Hall, Lynn O., Jr., to Owens-Illinois Glass Co. Method and apparatus for coating the interior surfaces of small diameter glass tubing. 2,867,544, 1-6-59, Cl. 117-97.
- Hall, Marchand H., to Acme Steel Co. Shearing and gripping device for binding tools. 2,868,238, 1-13-59, Cl. 140-93.2.
- Hall, Mary H. Arithmetic teaching aid to demonstrate fractions. 2,914,865, 12-1-59, Cl. 35-75.
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- Hall, Preston M. Rotary type filing and abrading appliance. 2,877,775, 3-17-59, Cl. 132-73.6.
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- Hall, Reginald H., and A. R. Graham, to The Distillers Co. Ltd. Production of 1:1:3-trialkoxyp-2-ene. 2,870,221, 1-20-59, Cl. 260-615.
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- Fuchs, Francis J., Jr., and Hall. 2,902,077.
- Fuchs, Francis J., Jr., and Hall. 2,902,078.
- Hall, Robert L.: See—  
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- Hall, Ronald C.: See—  
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- Hall, Richard W., to Barnes Engineering Co. Process for flattening thermistor flakes. 2,901,811, 9-1-59, Cl. 25-156.
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- Hall, Thomas C.: See—  
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- Hall, Victor C., to Merck & Co., Inc. Tablet feed device and process. 2,886,157, 5-12-59, Cl. 193-43.
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- Hall, Vincent C., to Eastman Kodak Co. Apparatus for balancing scanning systems. 2,895,006, 7-14-59, Cl. 178-7.1.
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- Hallam, Cecil A.: See—  
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- Hallam, Sleigh & Cheston Ltd.: See—  
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- Haller, Augustine C. Process for preserving eggs. 2,912,335, 11-10-59, Cl. 99-161.
- Haller, Clayton L., to Westinghouse Electric Corp. Control mechanism. 2,896,052, 7-21-59, Cl. 200-138.
- Haller, Clayton L., to Westinghouse Electric Corp. Thermostatically controlled cooking apparatus. 2,911,514, 11-3-59, Cl. 219-44.
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- Haller, John F., to Olin Mathieson Chemical Corp. Process for the production of stabilized liquid ozone. 2,876,077, 3-3-59, Cl. 23-222.
- Haller, John F., to Olin Mathieson Chemical Corp. Process for forming nitrogen oxides. 2,901,320, 8-25-59, Cl. 23-163.
- Haller, Raymond and Brown, Inc.: See—  
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- Hallerstrom, Harold C., to Hanna Engineering Works. Cushioning device for cylinders. 2,870,744, 1-27-59, Cl. 121-35.
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- Halliday, John J. Hinges for hanging doors. 2,885,722, 5-12-59, Cl. 16-130.
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- Hallidy, William M., to The Leece-Neville Co. Armature construction. 2,884,549, 4-28-59, Cl. 310-183.
- Hallidy, William M., to The Leece-Neville Co. Engine crankling apparatus. 2,907,215, 10-6-59, Cl. 74-6.
- Hallie, Gerardus, and J. W. Hoogendonk, to Stamcarbon N. V. Process for granulating material. 2,887,723, 5-23-59, Cl. 18-47.2.
- Halligan, Joseph C. Gate structure. 2,896,277, 7-28-59, Cl. 20-71.
- Hallman, Russell H., to Vickers Inc. Power transmission. 2,894,458, 7-14-59, Cl. 103-120.
- Hallmann, Johan P. H., to North American Phillips Co., Inc. Apparatus for magnetic recording and reproduction. 2,868,544, 1-13-59, Cl. 274-4.
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- Lohnes, Howard E., and Krekovich. 2,884,738.
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- Hallock, Edward C. Roof scuttle. 2,909,254, 10-20-59, Cl. 189-46.
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- Hallstrom, Olof A., Jr. Door control mechanism. 2,912,236, 11-10-59, Cl. 268-50.
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- Halpern, Alfred, to Synergistics, Inc. Quinidine galacturonates. 2,878,252, 3-17-59, Cl. 260-284.
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- Halpern, Israel A. Container closure and pouring spout. 2,919,057, 12-29-59, Cl. 222-484.
- Halpern, Jack, to Canadian Patents and Development Ltd. Method of reducing a metal compound to a lower state of oxidation in the presence of a cupric acetate catalyst. 2,879,134, 3-24-59, Cl. 23-140.
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- Halpern, William M., C. Depp, and H. A. Trenchard, to Sperry Rand Corp. Method of measuring and compensating for deviation errors for earth's field responsive instruments. 2,887,872, 5-26-59, Cl. 73-1.
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- Halpert, David, to Vertol Aircraft Corp. Method and composition for treating aluminum and aluminum alloys. 2,883,311, 4-21-59, Cl. 134-3.
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- Haltenberger, Jules. Gas turbine engine with exhaust heat recovery. 2,906,092, 9-29-59, Cl. 60-39.16.
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- Haltmeier, Alfred, to Farbenfabriken Bayer Akt. Drying of moist material. 2,874,482, 2-24-59, Cl. 34-31.
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- Halvarsson, Harald, to De Laval Steam Turbine Co. Gear tooth measuring instrument. 2,901,831, 9-1-59, Cl. 33-179.5.
- Halverson, Roy A. Hot working of metals. 2,893,114, 7-7-59, Cl. 29-424.
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- Ham, George E., to The Chemstrand Corp. Copolyamides from alpha-amino acids and process for producing same. 2,892,817, 6-30-59, Cl. 260-78.
- Ham, George E., and A. B. Craig, to The Chemstrand Corp. Dye receptive fiber forming acrylonitrile polymer containing 2-alkyleneoxy substituted imidazolines and blends thereof with acrylonitrile polymer. 2,867,602, 1-6-59, Cl. 260-45.5.
- Ham, George E., and A. B. Craig, to The Chemstrand Corp. Certain 2-olefinomethyl imidazolines. 2,867,625, 1-6-59, Cl. 260-309.6.
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- Hamamura, Hiroshi: See—  
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- Haman, Harold H., to The Anaconda Co. Drill testing device. 2,909,922, 10-27-59, Cl. 73-135.
- Haman, Ralph W., to Pullman-Standard Car Mfg. Co. Railway car with high level seats. 2,891,488, 6-23-59, Cl. 105-345.
- Hamann, Alfred W.: See—  
Catlin, Robert T., Hamann, and Walker. 2,912,779.
- Hamann, Harry L., to Production Metal Stamping Co. Sheet metal slide fastener for threadless studs. 2,895,370, 7-21-59, Cl. 85-36.
- Hamblett, Kenneth H., and F. Zuckschwerdt. Electromagnetic switch. 2,874,244, 2-17-59, Cl. 200-87.
- Hamblin, Clyde M., ½ to E. F. Hamblin, ½ to H. H. Livingstone, and ½ to B. H. Marshall. Buoyant, insulated flexible tubing and method of making same. 2,874,722, 2-24-59, Cl. 138-53.
- Hamblin, Eva F.: See—  
Hamblin, Clyde M. 2,874,722.



- Hamblin, Leslie F., to Sentinel (Shrewsbury) Ltd. Tractor-trailer load distributing coupling. 2,883,208, 4-21-59, Cl. 280-406.
- Hamblin, Leslie F., to Sentinel (Shrewsbury) Ltd. Steering of trailer vehicles. 2,890,894, 6-16-59, Cl. 280-103.
- Hamblin, Leslie F., to Sentinel (Shrewsbury) Ltd. Low-loader trailer with variable ground clearance. 2,893,747, 7-7-59, Cl. 280-44.
- Hambor, John G.: See—
- Weaver, Carson E., and Hambor. 2,882,466.
- Hambor, Valentine F., R. J. Shafranek, and J. H. Silverman, to Thompson Ramo Wooldridge Inc. High temperature solenoid. 2,909,713, 10-20-59, Cl. 317-163.
- Hamburg, Henry F., and A. Faugno. Beverage dispenser. 2,873,051, 2-10-59, Cl. 222-396.
- Hamby, Durward E.: See—
- Erasmus, Hendrik de W., and Hamby. 2,913,318.
- Hameister, Harold L.: See—
- Hailston, Ellis W., and Hameister. 2,893,153.
- Hamel, Edward E., to E. I. du Pont de Nemours and Co. Production of 1,4-dichlorobutane. 2,889,380, 6-2-59, Cl. 260-657.
- Hamel, Lewis E., to Lewis E. Hamel Co. Boat clamp. 2,869,812, 1-20-59, Cl. 248-42.
- Hamel, Lewis E., Co.: See—
- Hamel, Lewis E. 2,869,812.
- Hamelink, Cornelis A. S.: See—
- Reumerman, Theodor, and Hamelink. 2,886,239.
- Hamer, Howard, to Electronic Associates, Inc. Stabilized direct coupled amplifier. 2,910,549, 10-27-59, Cl. 179-171.
- Hamer, Leland S., to Chiksan Co. Pressure relieved valve seal. 2,908,480, 10-13-59, Cl. 251-328.
- Hamer, Martin: See—
- Brehm, Allen E., Hamer, and La Croix. 2,897,069.
- Hamer, William E., and G. V. Phillips, to Monsanto Chemicals Ltd. Aspirin crystallization. 2,890,240, 6-9-59, Cl. 260-480.
- Hammersley, Gordon D., to The Grisco-Russell Co. Head closure construction for heat exchangers. 2,872,065, 2-3-59, Cl. 220-40.
- Hamill, John L., to The British Thomson-Houston Co. Ltd. Dynamo-electric machines. 2,897,382, 7-28-59, Cl. 310-64.
- Hamill-Markus Industries, Inc.: See—
- Randol, Glenn T. 2,903,855.
- Hamill, Robert B., to Welox, Inc. Stabilizer for well casing perforator. 2,915,011, 12-1-59, Cl. 102-21.8.
- Hamill, Robert J. Clutch releasing attachment for tractors. 2,890,759, 6-16-59, Cl. 180-14.5.
- Hamilton, Andrew, and A. Naylor, to Metropolitan-Vickers Electrical Co. Ltd. Spark-over protective devices for low voltage electrical apparatus. 2,919,371, 12-29-59, Cl. 313-292.
- Hamilton, Bertis F., deceased; W. S. Hamilton, executor, to Hamilton Mfg. Corp. Serving tray and cart. 2,886,186, 5-12-59, Cl. 211-126.
- Hamilton, Carl C.: See—
- Bailey, Ervin G., Hardgrove, and Hamilton. 2,879,717.
- Hamilton, Charles A., and D. L. Evans, Jr., to Alabama Pipe Co. Process and apparatus for the production of sand molds. 2,875,482, 3-3-59, Cl. 22-16.
- Hamilton, Clarence L., and M. B. Michael, to Ball Brothers Co., Inc. Steam vacuum apparatus for closing containers. 2,889,674, 6-9-59, Cl. 53-112.
- Hamilton, Donald E.: See—
- Fenner, Robert M., and Hamilton. 2,869,147.
- Hamilton, Douglas J., to Hughes Aircraft Co. Low output impedance semiconductor amplifier. 2,868,897, 1-13-59, Cl. 179-171.
- Hamilton, Douglas L. P., to Utility Products Co. Above ground tap enclosure for subterranean cable. 2,916,539, 12-8-59, Cl. 174-38.
- Hamilton, Earl F., to Hamilton Mfg. Corp. Article of furniture. 2,868,601, 1-13-59, Cl. 311-107.
- Hamilton, Earl F., to Hamilton Mfg. Corp. Chair or the like. 2,900,013, 8-18-59, Cl. 155-196.
- Hamilton, Edgar K., and G. Lukacs, to Chas. Pfizer & Co., Inc. Lower alkyl ester of acetonedicarboxylic acid. 2,887,508, 5-19-59, Cl. 260-483.
- Hamilton, Eugene P., to Marchant Research, Inc. Pulse interpreter. 2,887,676, 5-19-59, Cl. 340-174.
- Hamilton, Francis E., J. J. Troy, and E. S. Hughes, Jr., to International Business Machines Corp. Data transfer system. 2,877,450, 3-10-59, Cl. 340-174.
- Hamilton, Francis E., G. V. Hawkins, R. E. Lawhead, Jr., and E. S. Hughes, Jr., to International Business Machines Corp. Digital computer. 2,901,166, 8-25-59, Cl. 235-61.
- Hamilton, Francis E., J. D. Wolfe, and C. S. Jackowski, to International Business Machines Corp. Accounting machine. 2,902,213, 9-1-59, Cl. 235-61.7.
- Hamilton, Francis E., E. S. Hughes, Jr., C. B. Smith, and A. L. Furr, to International Business Machines Corp. Data transfer mechanism. 2,919,429, 12-29-59, Cl. 340-174.
- Hamilton, Francis W., to Chrysler Corp. Carburetor choke mechanism. 2,871,843, 2-3-59, Cl. 123-119.
- Hamilton, Francis W., to Chrysler Corp. Automatic choke air heater. 2,876,999, 3-10-59, Cl. 257-241.
- Hamilton, Francis W., to Chrysler Corp. Multiple stage choke control. 2,918,266, 12-22-59, Cl. 261-39.
- Hamilton, Harry D.: See—
- Pader, Morton, Hamilton, Miles, and McCrimlish. 2,874,049.
- Hamilton, James, to General Electric Co. Enclosing case for electrical or other apparatus. 2,881,940, 4-14-59, Cl. 220-3.94.
- Hamilton, James I.: See—
- Dolman, Henry J., Hamilton, and Ball. 2,890,554.
- Hamilton, Jennie L. Urinals for infants. 2,904,047, 9-15-59, Cl. 128-295.
- Hamilton, John M., to The Guilberson Corp. Drill stem wiper. 2,916,758, 12-15-59, Cl. 15-210.
- Hamilton, Joseph P.: See—
- Burkhardt, George C., Eastwood, and Hamilton. 2,896,835.
- Hamilton, Joseph P., to Container Corp. of America. Stack-ing paperboard tray. 2,868,430, 1-13-59, Cl. 229-34.
- Hamilton, Joseph P., to C. Dreifus, Jr. Pallet. 2,904,297, 9-15-59, Cl. 248-120.
- Hamilton, Joseph P., to Longview Fibre Co. Produce tray or container. 2,910,220, 10-27-59, Cl. 229-15.
- Hamilton, Joseph R. Baffle plate and settle-blow mechanism. 2,877,604, 3-17-59, Cl. 49-18.
- Hamilton, Joseph R. Turbine power transmitting assembly. 2,892,364, 6-30-59, Cl. 74-718.
- Hamilton, Lawrence E. Binocular shutter control. 2,899,863, 8-18-59, Cl. 88-61.
- Hamilton Mfg. Co.: See—
- Ariens, Virgil C. 2,916,183.
- Hamilton, Bertis F. 2,886,186.
- Hamilton, Earl F. 2,868,601.
- Hamilton, Earl F. 2,900,013.
- Hiers, Victor H. 2,881,482.
- Hiers, Victor H. 2,911,276.
- O'Neill, Charles S. 2,905,519.
- Paulsen, Paul L., Hiers, and Kanzelberger. 2,899,772.
- Rulsh, Roger D. 2,876,556.
- Hamilton, Ralph A., to Lockheed Aircraft Corp. Plumbing mirror. 2,876,673, 3-10-59, Cl. 88-1.
- Hamilton, Robert H. Spectrophotometry process. 2,912,895, 11-17-59, Cl. 88-14.
- Hamilton, Robert W.: See—
- Cusick, John W., and Hamilton. 2,874,155.
- Hamilton, Robert W., to Magee-Hale Park-O-Meter Co. Automatic parking meters. 2,897,938, 8-4-59, Cl. 194-72.
- Hamilton, Robert W., to Magee-Hale Park-O-Meter Co. Multiple coin parking meter. 2,901,078, 8-25-59, Cl. 194-72.
- Hamilton, Rollie D., to Auto Express Rail, Inc. Conveyor. 2,908,379, 10-13-59, Cl. 198-213.
- Hamilton, Rollie D., and S. M. Rich, said Hamilton to said Rich. Automatic safety valve for vehicle brake systems. 2,899,024, 6-11-59, Cl. 188-152.
- Hamilton, Samuel A. B. Air circulating device for automobiles. 2,894,442, 7-14-59, Cl. 98-2.
- Hamilton, Sanborn. Operator's skill compensating amusement device. 2,872,193, 2-3-59, Cl. 273-119.
- Hamilton-Skotch Corp.: See—
- Piker, Herbert M. 2,881,936.
- Piker, Herbert M. 2,915,352.
- Piker, Herbert M., and Schultheiss. 2,872,066.
- Hamilton, W. L., & Co.: See—
- Hamilton, William K. 2,896,865.
- Hamilton, Wallace, to Cleveland Pneumatic Industries, Inc. Fluid springs. 2,873,964, 2-17-59, Cl. 267-64.
- Hamilton, Walter E., and R. Trafelet. Lawn edger. 2,900,723, 8-25-59, Cl. 30-319.
- Hamilton Watch Co.: See—
- Biemiller, Philip E., Reese, and Van Horn. 2,877,654.
- Detwiler, Harry S. 2,887,551.
- Detwiler, Harry S., Petters, and Thompson. 2,907,810.
- Fritsch, Daniel. 2,897,680.
- Gibbs, Thomas B., and Fink. 2,873,572.
- Gingrich, Wilmer J. 2,894,367.
- Jackson, Roderick M. 2,889,471.
- Kempf, Walter R. 2,877,285.
- Pedrick, Donald R. 2,888,751.
- Turre, George J. 2,882,498.
- Van Horn, John A., Biemiller, and Reese. 2,888,797.
- Hamilton, William F., and E. Simon, to Lockheed Aircraft Corp. Compositions of matter for the electroplating of cadmium. 2,892,761, 6-30-59, Cl. 204-50.
- Hamilton, William K., to W. L. Hamilton & Co. Spray head. 2,896,865, 7-28-59, Cl. 239-521.
- Hamilton, William S.: See—
- Hamilton, Bertis F. 2,886,186.
- Hamilton, William S. H. Starting and operating fluorescent lamps in series. 2,918,605, 12-22-59, Cl. 315-97.
- Hamilton, Winton W.: See—
- Elliott, Kenneth M., and Hamilton. 2,898,288.
- Hamilton-Peters, Rodney, and T. B. Philip, to The Distillers Co., Ltd. Shut-off valve. 2,908,290, 10-13-59, Cl. 137-614.11.
- Hamister, Victor C., to Union Carbide Corp. Furnace construction for high temperature purification of carbonaceous bodies in halogen-containing gases. 2,893,848, 7-7-59, Cl. 23-277.
- Hamlet, John C.: See—
- Jansen, Alexander B. A., and Hamlet. 2,880,203.
- Hamlin, Bess E.: See—
- Hamlin, Jerry F., and Newman. 2,909,302.

- Hamlin, Frank S., J. D. Holmes, B. S. Brooks, and H. A. Swanson, Jr., to Phillips Petroleum Co. Temperature control system. 2,915,298, 12-1-59, Cl. 257-288.
- Hamlin, Jack D. Clothes hanger and carrier. 2,884,170, 4-28-59, Cl. 223-95.
- Hamlin, Jerry F.: See—
- Hamlin, Jerry F., and Newman. 2,909,302.
- Hamlin, Jerry F. Extensible stud driving tool. 2,902,690, 9-8-59, Cl. 1-47.
- Hamlin, Jerry F., and L. Newman, 1/4 to J. F. Hamlin, 1/4 to B. E. Hamlin, 1/4 to R. M. Cuykendall, 1/4 to M. Cuykendall, 1/4 to Louise Newman, and 1/4 to Louis Newman. Riveting gun. 2,909,302, 10-20-59, Cl. 218-34.
- Hamm, Douglas W., to Muskegon Piston Ring Co. Piston rings. 2,886,384, 5-12-59, Cl. 309-45.
- Hamm, Douglas W., to Muskegon Piston Ring Co. Method of producing a continuous spacer and expander for piston rings. 2,907,101, 10-6-59, Cl. 29-156.62.
- Hamm, Douglas W., to Muskegon Piston Ring Co. Piston rings. 2,910,334, 10-27-59, Cl. 309-45.
- Hamm, Forrest D., to Air Reduction Co., Inc. Anesthetic vaporizer apparatus. 2,869,540, 1-20-59, Cl. 128-188.
- Hamm, Fred. Emergency vehicle brake device. 2,878,885, 3-24-59, Cl. 180-82.
- Hamm, George E., to The Chemstrand Corp. Preparation of dry solutions of acrylonitrile-vinylpyridine copolymers. 2,918,447, 12-22-59, Cl. 260-34.2.
- Hamm, John A., Jr. Mechanism for aiding and dialing telephone numbers. 2,874,672, 2-24-59, Cl. 116-133.
- Hamm, Otto H. Automotive vehicle anti-skid device. 2,912,656, 11-10-59, Cl. 180-15.
- Hamm, Phillip C.: See—
- Beaver, David J., Hamm, and Stoffel. 2,867,520.
- Beaver, David J., Stoffel, and Hamm. 2,913,322.
- Deebel, George F., and Hamm. 2,879,150.
- Hamm, Phillip C., to Monsanto Chemical Co. Defoliating compositions. 2,893,856, 7-7-59, Cl. 71-2.6.
- Hammack, Roderick F.: See—
- Schert, Paul H., Bayne, and Hammack. 2,867,134.
- Hamman, Denver C., to Illinois Tool Works. Roller assembly. 2,898,160, 8-4-59, Cl. 308-18.
- Hamman, William C.: See—
- Blake, Edward S., and Hamman. 2,889,354.
- Hammar, Gustaf W., (by L. B. Hammar, executrix); and E. C. Bennett, Jr., to Eastman Kodak Co. Highly sensitive lead sulfide surfaces and the method of manufacture. 2,917,413, 12-15-59, Cl. 117-211.
- Hammar, Louise B.: See—
- Hammar, Gustaf W., and Bennett. 2,917,413.
- Hammel, Jay E.: See—
- Josephson, Vernal, and Hammel. 2,868,991.
- Hammell, Kemper M., to A M P Inc. Electrical connector. 2,888,662, 5-26-59, Cl. 339-217.
- Hammen, Heinrich, and L. Musiol, to Siemens-Planlawerke Akt. Fuer Kohlefabrikate. Method of impregnating porous graphite and carbon articles. 2,867,545, 1-6-59, Cl. 117-102.
- Hammer, Charles F., to Westinghouse Air Brake Co. Variable load brake control apparatus for railway cars. 2,919,161, 12-29-59, Cl. 303-3.
- Hammer, Ervin J., and O. H. Beet harvester ejection device. 2,888,081, 5-26-59, Cl. 171-58.
- Hammer, Herbert, to Meteor A-G. Ring coiling machine. 2,868,466, 1-13-59, Cl. 242-4.
- Hammer, Irving P.: See—
- Martin, James W., Hessel, Hammer, and Rust. 2,875,831.
- Martin, James W., Hessel, Hammer, and Rust. 2,875,832.
- Hammer, Orrin H.: See—
- Hammer, Ervin J., and O. H. 2,888,081.
- Hammer, Otto, to Dresser Operations, Inc. Drill bit. 2,885,186, 5-5-59, Cl. 255-314.
- Hammer, Otto, to Dresser Operations, Inc. Rotary disc bit. 2,898,089, 8-4-59, Cl. 255-323.
- Hammer, Richard B. Reflective warning device. 2,869,424, 1-20-59, Cl. 88-81.
- Hammer, Warren H., and L. K. Loomer, to Land-Air, Inc. Data recording camera. 2,906,584, 9-29-59, Cl. 346-110.
- Hammerberg, Chester A., to Armour and Co. Process for the preparation of a rolled meat product. 2,868,650, 1-13-59, Cl. 99-107.
- Hämmerli, Samuel: See—
- Kesseling, Fritz, and Hämmerli. 2,897,408.
- Hammerly, Herman J., to General Electric Co. Plug-in type circuit breaker panelboard. 2,897,410, 7-28-59, Cl. 317-119.
- Hammerly, Herman J., to General Electric Co. Electric terminal board connector assembly. 2,905,923, 9-22-59, Cl. 339-198.
- Hammerly, Herman J., to General Electric Co. Circuit breaker panelboard. 2,910,630, 10-27-59, Cl. 317-119.
- Hammerly, Herman J., to General Electric Co. Clamp and fixture support. 2,911,179, 11-3-59, Cl. 248-339.
- Hammers, Louis L. Safety gas shield for service lines. 2,871,113, 1-27-59, Cl. 48-192.
- Hammes, John P., to United States of America, Army. Semiconductor devices. 2,888,619, 5-26-59, Cl. 317-235.
- Hammesfahr, Frederic W., and R. L. Hatch, to General Electric Co. Process for irradiating flat stock organic polymers. 2,914,450, 11-24-59, Cl. 204-154.
- Hammett, Robert B. Multifrequency devices and systems associated therewith. 2,897,451, 7-28-59, Cl. 331-60.
- Hammit, Andrew B., and H. L. Birum, Jr. Door frame assembly. 2,910,154, 10-27-59, Cl. 189-46.
- Hammit, Andrew B., and H. L. Birum, Jr. Frame construction. 2,918,153, 12-22-59, Cl. 189-36.
- Hammon, Robert L.: See—
- Bouchard, John R., and Hammon. 2,878,679.
- Hammond, Donald L. Constant temperature oven. 2,906,844, 9-29-59, Cl. 219-19.
- Hammond, Edmund B., Jr.: See—
- Harris, Herbert, Jr., Hammond, White, and Giullanelli. 2,873,074.
- Hammond, Frank E., to The Garlock Packing Co. Reinforced expansion joint. 2,879,804, 3-31-59, Cl. 138-56.
- Hammond, Harold W. Eyeshield. 2,890,458, 6-16-59, Cl. 2-13.
- Hammond Iron Works: See—
- Fino, Alexander F. 2,873,042.
- Fino, Alexander F. 2,914,212.
- Fino, Alexander F. 2,919,047.
- Swick, John M. 2,913,138.
- Hammond, John H., Jr.: See—
- Purinton, Ellison S., and Hammond. 2,908,754.
- Hammond, John H., Jr. Television relay system. 2,875,436, 2-24-59, Cl. 343-202.
- Hammond, John H., Jr. Single frame secrecy facsimile system. 2,889,399, 6-2-59, Cl. 178-5.1.
- Hammond, John H., Jr., and E. L. Chaffe; said Chaffe assor. to said Hammond. Frozen food indicator. 2,915,405, 12-1-59, Cl. 99-192.
- Hammond, John V. Slab conveyor and dumping mechanism. 2,890,759, 6-16-59, Cl. 198-177.
- Hammond, Lee C., to Hammond Machinery Builders, Inc. Brush-type guard for printer's saw. 2,913,926, 11-24-59, Cl. 74-612.
- Hammond, Lee C., to Hammond Machinery Builders, Inc. Elevating and traversing mechanism for a grinding machine. 2,915,857, 12-8-59, Cl. 51-165.
- Hammond, Leonard A., to Nixdorf-Kreim Mfg. Co. Swing-hook assembly. 2,900,160, 8-18-59, Cl. 248-341.
- Hammond Machinery Builders, Inc.: See—
- Hammond, Lee C. 2,913,926.
- Hammond, Lee C. 2,915,857.
- Robischum, Philip J. 2,900,766.
- Hammond, Milton B., and L. J. Hrusovsky, to Rockwell-Standard Corp. Air spring. 2,902,275, 9-1-59, Cl. 267-31.
- Hammond Organ Co.: See—
- Hanert, John M. 2,878,708.
- Hanert, John M. 2,905,040.
- Hanert, John M. 2,916,957.
- Hanert, John M. 2,916,958.
- Hammond, R. Philip: See—
- Thamer, Burton J., Bidwell, and Hammond. 2,904,488.
- Hammond, R. Philip, and H. M. Bussey, to United States of America, Atomic Energy Commission. Homogeneous nuclear reactor. 2,874,106, 2-17-59, Cl. 204-193.2.
- Hammond, Robert L. Basin cover. 2,878,091, 3-17-59, Cl. 312-209.
- Hammond, Roland P. Wheel suspensions for railway cars. 2,915,990, 12-8-59, Cl. 105-216.
- Hammond, Russell E., and K. Geduldig, 1/4 to Radio Corp. of America, and 1/4 to Telefonbau und Normalzeit G.m.b.H. Communication system. 2,887,527, 5-19-59, Cl. 178-2.
- Hamner, Arthur H.: See—
- Minton, Robert M., and Hamner. 2,890,847.
- Hamner, Glen P., and C. T. Steele, to Esso Research and Engineering Co. Production of binders for sand cores. 2,910,748, 11-3-59, Cl. 22-193.
- Hampton Specialty Products, Inc.: See—
- Panicci, Richard L. 2,897,880.
- Panicci, Richard L. 2,916,085.
- Panicci, Richard L. 2,916,086.
- Hampe, Frank T., to Fargo Mfg. Co., Inc. Anchoring device. 2,902,736, 9-8-59, Cl. 24-126.
- Hampel, Herbert J., to Burroughs Corp. Transducer unit. 2,869,089, 1-13-59, Cl. 336-192.
- Hampel, Herbert J., to Burroughs Corp. Indicating device. 2,874,320, 2-17-59, Cl. 313-109.5.
- Hampel, Herbert J., to Burroughs Corp. Pulse transformer assembly. 2,876,425, 3-3-59, Cl. 336-198.
- Hampel, Kenneth R., to Jervis Corp. Process of bright dipping zinc base alloys. 2,904,413, 9-15-59, Cl. 41-42.
- Hampel, Louis A., and W. J. Wick, to Kolmar Laboratories, Inc. Apparatus for compressing finely divided solids. 2,900,664, 8-25-59, Cl. 18-16.
- Hampf, Edwin F., to Aktiebolaget Harbor. Discharge devices for conveyors for case-goods. 2,872,021, 2-3-59, Cl. 198-74.
- Hamprecht, Guenther, and H. Muehlbauer, to Badische Anilin- & Soda-Fabrik Akt. Production of alkyl aluminum halides. 2,867,643, 1-6-59, Cl. 260-448.
- Hampshire, William J., and R. B. Lepore, to Goodyear Aircraft Corp. Plastic axial-flow compressor for gas turbines. 2,868,439, 1-13-59, Cl. 230-122.
- Hampson, George C., and I. P. Freeman, to Lever Brothers Co. Edible oils. 2,903,369, 9-8-59, Cl. 99-163.
- Hampton, Andrew T., to Darco Industries, Inc. Upsetting method and apparatus. 2,889,448, 6-2-59, Cl. 219-150.
- Hampton, Burt L., to The Glidden Co. Process for upgrading polymerized fatty acid mixtures. 2,894,939, 7-14-59, Cl. 260-97.7.



- Hampton, Harry D. Well bore inclinometer. 2,887,298, 5-19-59, Cl. 255-1.
- Hampton, William J., to Addressograph-Multigraph Corp. Printing machines. 2,868,121, 1-13-59, Cl. 101-336.
- Hampton, William J., to Addressograph-Multigraph Corp. Printing machines. 2,889,768, 6-9-59, Cl. 101-65.
- Hamren, Arvid J. Air-conveyor. 2,882,097, 4-14-59, Cl. 302-29.
- Hamrick, Ithiel V. Automatic fishing device. 2,918,746, 12-29-59, Cl. 43-15.
- Hamrick, Jack: See—
- Ball, Gaines L., and Hamrick. 2,897,575.
- Hamrick, Joseph T.: See—
- Anderson, Robert J., and Hamrick. 2,893,204.
- Hamway, Edward G.: See—
- Lott, De Forest, and Hamway. 2,875,115.
- Hanauer, Stephen H.: See—
- Epler, Elbert P., Hanauer, and Oakes. 2,911,344.
- Hancke, Dieter: See—
- Thurman, Astor L., and Hancke. 2,868,348.
- Hancock, Charles L. Line holder float. 2,915,847, 12-8-59, Cl. 43-111.
- Hancock, Chastain G. Poultry feather-plucking device. 2,894,279, 7-14-59, Cl. 17-11.1.
- Hancock, Dorothy L., and M. A. Longmire. Diaper laundry attachment for toilet bowls. 2,882,708, 4-21-59, Cl. 68-235.
- Hancock Industries, Inc.: See—
- Baker, Albert F. 2,911,248.
- Marple, Rollo. 2,883,847.
- Hancock, James L., to General Motors Corp. Vent cap for electrolytic condenser. 2,881,368, 4-7-59, Cl. 317-230.
- Hancock, John E., to The Gadget-of-the-Month Club, Inc. De-fouling anchor. 2,873,711, 2-17-59, Cl. 114-206.
- Hancock, Ralph H., to Rolls-Royce Ltd. Casting processes. 2,883,724, 4-28-59, Cl. 22-196.
- Hancock, Richard H., to General Motors Corp. Air suspension. 2,893,104, 7-7-59, Cl. 267-15.
- Hancock, Robert D., to Northrop Aircraft, Inc. Distortion indicator. 2,870,430, 1-20-59, Cl. 340-149.
- Hancock, William M., to Western Electric Co., Inc. Wire dispenser. 2,881,947, 4-14-59, Cl. 221-34.
- Hand, Eugene E., to High Voltage Engineering Corp. Charge transferring means for electrostatic generators. 2,885,599, 5-5-59, Cl. 317-2.
- Hand, John J.: See—
- Bullock, Milton W., and Hand. 2,883,420.
- Bullock, Milton W., and Hand. 2,901,506.
- Hand, Leslie T., and J. N. Macy. Method of and apparatus for forming folded paper stacks. 2,918,277, 12-22-59, Cl. 270-73.
- Hand, Walter. Voltage responsive instrument for test equipment. 2,913,666, 11-17-59, Cl. 324-125.
- Handel, Neil E.: See—
- Sturgeon, Stocker S., and Handel. 2,867,119.
- Handel, Neil E., to Industrial Nucleonics Corp. Phase detector. 2,875,404, 2-24-59, Cl. 324-87.
- Handen, Carl, to International Business Machines Corp. Circuit package. 2,898,522, 8-4-59, Cl. 317-101.
- Hand-Hook, Inc.: See—
- Longfellow, Harold W. 2,898,657.
- Handi-Mugs, Inc.: See—
- Dungey, James. 2,881,952.
- Handler, Albert B. Method of packing fruits and vegetables. 2,911,307, 11-3-59, Cl. 99-186.
- Handler, Alois: See—
- Malek, Georg. 2,918,854.
- Handler, Elliot. Musical toy vehicle. 2,908,997, 10-20-59, Cl. 46-111.
- Handler, Milton E.: See—
- Ferdinand, Irwin J., and Handler. 2,895,241.
- Handley, John, to Lincoln Electric Co. Ltd. Apparatus for welding pipes. 2,887,972, 5-26-59, Cl. 113-59.
- Handley, Mabel P.: See—
- Sawyer, Carl W., and Handley. 2,894,804.
- Handley, Robert W.: See—
- Sawyer, Carl W., and Handley. 2,894,804.
- Handley, Thomas J., to Britains Ltd. Toy guns. 2,917,038, 12-15-59, Cl. 124-29.
- Handwerk, Joseph H., and R. A. Bach, to United States of America, Atomic Energy Commission. Method of preparing a fuel element for a nuclear reactor. 2,900,263, 8-18-59, Cl. 106-39.
- Handy, Carleton T., and H. S. Rothrock, to E. I. du Pont de Nemours and Co. Light stable composition containing a blend of a synthetic rubber and a salicylate polymer. 2,883,361, 4-21-59, Cl. 260-45.5.
- Handy, Carleton T., and H. S. Rothrock, to E. I. du Pont de Nemours and Co. Polymeric butadiene peroxide. 2,898,377, 8-4-59, Cl. 260-610.
- Handy, Richard L., and D. T. Davidson, to Iowa State College Research Foundation, Inc. Soil testing apparatus. 2,877,647, 3-17-59, Cl. 73-149.
- Hanebeck, Emil F. G., to Clayton Dewandre Co. Ltd. Exhaust braking apparatus for motor vehicles. 2,895,571, 7-21-59, Cl. 188-99.
- Hanek, Alexander: See—
- Wollentin, Alvin O., and Hanek. 2,885,328.
- Haneklaus, Karl: See—
- Tacke, Albert, and Haneklaus. 2,871,682.
- Hanel, Rudolf A., and R. A. Stampf, to United States of America, Army. High impedance transistor circuits. 2,881,269, 4-7-59, Cl. 179-171.
- Hanell, Erik S., and B. Sundbeck, to AB Ferrosan. Alpha-alkyl-propylphenones. 2,904,591, 9-15-59, Cl. 260-570.5.
- Hanert, John M., to Hammond Organ Co. Capacitative switching apparatus. 2,878,708, 3-24-59, Cl. 84-108.
- Hanert, John M., to Hammond Organ Co. Method and apparatus for producing chorus effects in music. 2,905,040, 9-22-59, Cl. 84-124.
- Hanert, John M., to Hammond Organ Co. Reiterating percussive effect apparatus for electronic musical instruments. 2,916,957, 12-15-59, Cl. 84-126.
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- Hanes, Francis P., to United States of America, Army. Liquid level telemetering device. 2,906,026, 9-29-59, Cl. 33-126.
- Hanes Hosiery Mills Co.: See—
- Stack, Vernon T. 2,884,775.
- Hanes, James W. E., to Huntsinger Associates. Well pipe and flexible joints therefor. 2,900,028, 8-18-59, Cl. 166-242.
- Hanes, Vaughn D., to Aerojet-General Corp. Jet type baller with gas generating mechanism. 2,913,125, 12-1-59, Cl. 166-63.
- Hanes, Vaughn D., and J. D. Chesnut, to Aerojet-General Corp. Jet type baller with gas generating mechanism. 2,909,225, 10-20-59, Cl. 166-63.
- Haney, Marcus D., Jr., and L. Ambruster, to E. I. du Pont de Nemours and Co. Treatment of cellulosic fiber, and composition therefor. 2,911,326, 11-3-59, Cl. 117-139.4.
- Haney, Roy E. D., to Esso Research and Engineering Co. Fluidized solids town gas manufacturing process. 2,912,315, 11-10-59, Cl. 48-214.
- Haney, Thomas A., to Olin Mathieson Chemical Corp. Process of purifying pyrethrin extracts. 2,867,649, 1-6-59, Cl. 260-468.
- Haney, Thomas A., to Olin Mathieson Chemical Corp. Process for purification of crude pyrethrum extracts. 2,876,249, 3-3-59, Cl. 260-468.
- Haney, Thomas A., to Olin Mathieson Chemical Corp. Process for purification of crude pyrethrum extracts. 2,876,250, 3-3-59, Cl. 260-468.
- Hanf, Wilhelm, to Rheinische Gummi- und Cellulose-Fabrik. Sound producing device. 2,904,931, 9-22-59, Cl. 46-184.
- Hanf, Edward A., to Swindell-Dressler Corp. Magnetomotive agitator for molten metal baths or the like. 2,875,261, 2-24-59, Cl. 13-26.
- Hanford, Carlton M., to The Carborundum Co. Coated abrasive article and method of making. 2,873,181, 2-10-59, Cl. 51-298.
- Hanford, Richard W., to Link Aviation, Inc. Direct current amplifier. 2,906,830, 9-29-59, Cl. 179-171.
- Hanford, William E., to Minnesota Mining and Mfg. Co. Polytetrafluoroethylene and barium peroxide. 2,874,142, 2-17-59, Cl. 260-45.7.
- Hanford, William E., to Minnesota Mining and Mfg. Co. Polytetrafluoroethylene and lead dioxide. 2,874,144, 2-17-59, Cl. 260-45.7.
- Hanford, William E., to The M. W. Kellogg Co. Production of organic phosphonyl halide. 2,882,316, 4-14-59, Cl. 260-543.
- Hanford, William E., to Minnesota Mining and Mfg. Co. Oxidizing baths containing perchlorofluorocarboxylates. 2,904,515, 9-15-59, Cl. 252-186.
- Hanft, Kenneth E.: See—
- Wilde, Dale K., Morris, and Hanft. 2,885,588.
- Hanhart, Walter, to Ciba Ltd. Polyazo-dyesulfates. 2,870,136, 1-20-59, Cl. 260-173.
- Hanlin, Mireille, and J. Voeltzel, to Institut de Recherches de la Siderurgie. Toepler pumps. 2,902,208, 9-1-59, Cl. 230-83.
- Hanlinton, Charles A. Spurt shield for can openers. 2,867,900, 1-13-59, Cl. 30-16.
- Hanlink, Dean K.: See—
- Thomson, Robert F., Shoudy, and Hanlink. 2,885,304.
- Hanlink, Dean K., to General Motors Corp. Valve. 2,881,750, 4-14-59, Cl. 123-188.
- Hanlink, Dean K., to General Motors Corp. Apparatus for removing excess coating from a poppet valve. 2,893,349, 7-7-59, Cl. 118-63.
- Hanlink, Dean K., and J. C. Holzwarth, to General Motors Corp. Method of hot working titanium. 2,903,785, 9-15-59, Cl. 29-156.8.
- Hanlisan, John: See—
- King, Charles C., and Hanlisan. 2,886,611.
- Hankin, John H., Jr., to S. N. Orcutt, trading as J. J. Cress Co. of New Jersey. Potter's wheel and mechanism. 2,902,741, 9-8-59, Cl. 25-24.
- Hankins, Cyrus, to Unitcast Corp. Hopper door locking mechanism. 2,891,487, 6-23-59, Cl. 105-308.
- Hankins, Elinor M., to Rohm & Haas Co. Polymers of substituted heterocyclic urea compounds. 2,881,155, 4-7-59, Cl. 260-77.5.
- Hankins, Elinor M., to Rohm & Haas Co. New heterocyclic compounds, polymers thereof and methods of making them. 2,881,171, 4-7-59, Cl. 260-256.4.
- Hankins, Elinor M., to Rohm & Haas Co. Acrylyl diacylamides and polymers thereof. 2,891,932, 6-23-59, Cl. 260-80.5.

- Hankins, Elinor M., and S. Melamed, to Rohm & Haas Co. Polymers, copolymers, and processes for preparing them. 2,871,223, 1-27-59, Cl. 260-70.
- Hankins, William C., to Rotax Ltd. Protective means for use in an electric system supplied by an inverter. 2,911,583, 11-3-59, Cl. 321-31.
- Hankoff, Harry N. Trouser leg supporting device. 2,869,138, 1-20-59, Cl. 311.
- Hankoff, Harry N. Table grill. 2,910,930, 11-2-59, Cl. 99-421.
- Hanks, Charles W., C. d'A. Hunt, and H. R. Smith, Jr., to Stauffer Chemical Co. Vacuum casting. 2,880,483, 4-7-59, Cl. 22-57.2.
- Hanks, Frederick W. Fluid meter. 2,911,527, 11-10-59, Cl. 73-262.
- Hanks, Harry C. Belt-tensioning mechanism. 2,910,879, 11-3-59, Cl. 74-242.14.
- Hanks, Chester P., to Revlis Co. Packaging device. 2,887,220, 5-19-59, Cl. 206-65.
- Hanks, Chester P., to Revlis Co. Artificial tree. 2,889,650, 6-9-59, Cl. 41-15.
- Hanle, John E., A. M. Tringali, and E. Yuska, to Interchemical Corp. Copolymers of the fatty acid ester of a phenoxy ethanol-formaldehyde condensation product and an ethylene monomer. 2,880,187, 3-31-59, Cl. 260-19.
- Hänlein, Walter: See—
- Müller, Hans J., and Hänlein. 2,910,805.
- Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Method of manufacturing semi-conducting materials. 2,880,117, 3-31-59, Cl. 117-200.
- Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Electroluminescence devices. 2,883,582, 4-21-59, Cl. 315-169.
- Hanlet, Jacques M. N., to Centre d'Etudes et de Developpements de l'Electronique, CEDEL. Ionic discharge devices. 2,892,964, 6-30-59, Cl. 315-55.
- Hanlet, Jacques M. N., to Centre d'Etudes et de Developpements de l'Electronique, CEDEL. Ionic discharge tubes. 2,892,967, 6-30-59, Cl. 315-168.
- Hanlet, Jacques M. N., to Centre d'Etudes Et De Developpements de l'Electronique, CEDEL. Method of manufacturing photoconductive and rectifying elements. 2,899,372, 8-11-59, Cl. 204-192.
- Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Method of making electroluminescent layers. 2,917,412, 12-15-59, Cl. 204-192.
- Hanlet, Jacques M. N., to Societe d'Electronique et d'Automatisme. Information stores. 2,919,377, 12-29-59, Cl. 315-12.
- Hanlet, Jacques M. N., J. Heinisch, and R. Loyer, to CEDEL. Centre d'Etudes et de Developpements de l'Electronique. Method and means for measuring the frequency of an electrical oscillation. 2,919,402, 12-29-59, Cl. 324-78.
- Hanley, Roy P., to United States Steel Corp. Hand tool for flame-hardening gear teeth. 2,876,000, 3-3-59, Cl. 266-4.
- Hanley, William R., to United States of America, Atomic Energy Commission. Volatile chloride process for the recovery of metal values. 2,867,501, 1-6-59, Cl. 23-14.5.
- Hanlin, Robert A., to H & H Products, Inc. Light shade. 2,878,371, 3-17-59, Cl. 240-47.
- Hanlo Gage Co.: See—
- Loventon, Hans J. 2,883,755.
- Hanlon, Albert J., to Polaroid Corp. Bounce flash adapter. 2,898,447, 8-4-59, Cl. 240-1.3.
- Hanlon, Joseph F., to Johnson & Johnson. Tape dispenser. 2,889,975, 6-9-59, Cl. 225-19.
- Hanlon & Wilson Co.: See—
- Wilson, John R. 2,872,164.
- Hanner, Robert S.: See—
- Carroll, James H., and Hanner. 2,872,438.
- Hann, Gordon E., to The Tremco Mfg. Co. Glazing method and glazing nozzle. 2,903,739, 9-15-59, Cl. 18-3.5.
- Hann, Melvin M.: See—
- Lundgren, Bruce H., and Hann. 2,896,546.
- Hann, Melvin M., to Sundstrand Machine Tool Co. Hydraulic control system for a refrigeration drive. 2,888,810, 6-2-59, Cl. 62-215.
- Hann, Melvin M., to Sundstrand Corp. Drive for refrigeration systems or the like. 2,916,880, 12-15-59, Cl. 60-53.
- Hann, Paul D., to Phillips Petroleum Co. Utilization of alkylation by-products. 2,872,493, 2-3-59, Cl. 260-677.
- Hann, Paul D., to Phillips Petroleum Co. Breaking crude oil emulsions. 2,907,717, 10-6-59, Cl. 252-325.
- Hann, Victor A., to The Welsbach Corp. Prevention of combustion in oxygen-ozone mixtures. 2,874,164, 2-17-59, Cl. 260-339.
- Hanna, Clinton R., and W. O. Osborn, to United States of America, Navy. Hovering apparatus for submarines and other buoyant objects. 2,887,976, 5-26-59, Cl. 114-16.
- Hanna, Douglas H.: See—
- Vaughan, James L. B., Hislop, and Hanna. 2,890,136.
- Vaughan, James L. B., Hislop, and Hanna. 2,890,137.
- Hanna, Edward C., to Landis Machine Co. Relieved thread rolling die. 2,896,484, 7-28-59, Cl. 80-6.
- Hanna Engineering Works: See—
- Hallerstrom, Harold C. 2,870,744.
- Hanna, M. A. Co., The: See—
- Vidmar, John P. 2,869,716.
- Hanna, Ralph: See—
- De Coriolis, Ernest G., Hanna, and Peters. 2,893,237.
- Hannable, Daniel W., to United Shoe Machinery Corp. Panel unloading machines. 2,891,688, 6-23-59, Cl. 214-310.
- Hannable, Daniel W., to United Shoe Machinery Corp. Panel assembly apparatus. 2,906,010, 9-29-59, Cl. 29-203.
- Hannab, Alexander, to Wyandotte Chemicals Corp. Stripping resin paints. 2,898,246, 8-4-59, Cl. 134-38.
- Hannah, Wallace H. Knockdown supporting structure. 2,911,265, 11-3-59, Cl. 182-181.
- Hannahs, Willson H., to Sylva Electric Products Inc. Printed circuit. 2,884,571, 4-28-59, Cl. 317-101.
- Hannay, Clifford B., and Son, Inc.: See—
- Hannay, Dwight C., and G. A. 2,906,472.
- Hannay, Dwight C., and G. A., to Clifford B. Hannay and Son, Inc. Hose reel with brake. 2,906,472, 9-29-59, Cl. 242-99.
- Hannay, George A.: See—
- Hannay, Dwight C., and G. A. 2,906,472.
- Hanner, John B.: See—
- Grinstead, Sanford R., and Hanner. 2,918,767.
- Hanni, Eduard, Press. 2,916,957, 12-15-59, Cl. 100-231.
- Hannibal, Joseph O., Jr., to International Business Machines Corp. Print checking circuit for accounting machines. 2,909,995, 10-27-59, Cl. 101-93.
- Hannig, Kurt: See—
- Grassmann, Wolfgang, and Hannig. 2,888,392.
- Hannigan, Joseph E., to Cleveland Pneumatic Industries, Inc. Hatch cover actuator. 2,906,324, 9-29-59, Cl. 160-188.
- Hannigan, Joseph E., to Cleveland Pneumatic Industries, Inc. Power actuated hatchcover. 2,906,325, 9-29-59, Cl. 160-188.
- Hannigan, Joseph E., to Cleveland Pneumatic Industries, Inc. Hatchcover operating system. 2,906,326, 9-29-59, Cl. 160-188.
- Hannigsberg, Claude: See—
- Well, Camille, Hannigsberg, and Adelaar. 2,901,603.
- Hanninen, Ida. Wall sponge. 2,867,832, 1-13-59, Cl. 15-244.
- Hannon, Gilbert H., to H. G. Weber & Co., Inc. Transmission mechanism employing pivotally mounted rotatable disk means for controlling speed variations. 2,881,628, 4-14-59, Cl. 74-393.
- Hannon, Gilbert H., and J. M. De Nucci, to L. D. Schreiber & Co., Inc. Device for pressing and molding plastic food products. 2,884,694, 5-5-59, Cl. 31-30.
- Hannon, Gilbert H., and J. M. De Nucci, to L. D. Schreiber & Co., Inc. Device for pressing and molding plastic food products employing cooperating forming blades. 2,903,793, 9-15-59, Cl. 31-30.
- Hannoosh, Mitchell M.: See—
- Schlaner, Kermit C., and Hannoosh. 2,892,157.
- Hannula, Fred W., to The Foxboro Co. Mechanically rebalanced servosystem. 2,876,404, 3-3-59, Cl. 318-22.
- Hannum, Albert K.: See—
- Hall, George V. B., Sampletro, and Hannum. 2,891,718.
- Hannum, Clair T., and H. W. Schramm, to Surface Combustion Corp. Heat treating furnace having double-ended chain conveyor. 2,898,101, 8-4-59, Cl. 266-4.
- Hannum, Frank W.: See—
- Smith, Ralph E., Hannum, and Booth. 2,905,194.
- Hanny, William F., to United Aircraft Corp. O-ring pressure seal. 2,898,000, 8-4-59, Cl. 220-46.
- Hanold, Paul A.: See—
- Foster, Jack V., and Hanold. 2,917,598.
- Hanomag Aktiengesellschaft: See—
- Nuebling, Otto. 2,899,937.
- Wessendorf, Hermann. 2,904,116.
- Hanover Associates, Inc.: See—
- Beck, Lawrence J. 2,893,017.
- Hanrahan, William I. Fluted couler disc. 2,908,338, 10-13-59, Cl. 172-555.
- Hans, Edmund E., and D. F. Wuerfel, said Wuerfel assor. to said Hans. Fans. 2,906,349, 9-29-59, Cl. 170-173.
- Hans, Fritz: See—
- Lang, Kurt, Barthel, Ladewig, Hans, Reichelt, Klaus, and Schädlich. 2,916,771.
- Hansberg, Fritz. Clamping device for molding apparatus. 2,892,313, 6-30-59, Cl. 60-54.5.
- Hansburg, George B. Combined seat, table and walking unit for infants. 2,910,111, 10-27-59, Cl. 153-22.
- Hansburg, Milton: See—
- Potosky, Maurice, Davis, and Hansburg. 2,896,773.
- Hansburg, Milton. Delay circuit for "on-off" servo system. 2,877,401, 3-10-59, Cl. 318-400.
- Hansburg, Milton. Autopilot and circuit for converting a D.C. control signal voltage to an A.C. control signal voltage. 2,891,208, 6-16-59, Cl. 318-489.
- Hanscom, Floyd C. Safety valve. 2,906,286, 9-29-59, Cl. 137-460.
- Hansel, Otto, and H. Lesch. Stacking apparatus. 2,872,020, 2-3-59, Cl. 198-35.
- Hansel, Paul G., to Servo Corp. of America. Frequency control means. 2,891,157, 6-16-59, Cl. 250-36.
- Hansell, Clarence W., to Radio Corp. of America. Radio transmitter with fixed tune amplifier stages. 2,894,123, 7-7-59, Cl. 250-17.
- Hansell, Grant E., to Radio Corp. of America. Diversity reception. 2,888,554, 5-26-59, Cl. 250-8.
- Hansell, Paul D.: See—
- O'Maler, John B., Barnes, and Hansell. 2,905,828.



Hanselmann, Karl, to J. M. Volth G.m.b.H. Maschinenfabrik. Power transmitting arrangement in a locomotive. 2,902,946, 9-5-59, Cl. 105-62.

Hansen, Bernard. Heat saving unit. 2,890,866, 6-16-59, Cl. 257-166.

Hansen, Calvin: See—  
Salisbury, John D., Klein, and Hansen. 2,883,538.

Hansen, Carl. Crab traps. 2,901,859, 9-1-59, Cl. 43-105.

Hansen, Carl W., and J. F. Kozlow, to General Electric Co. Filter means for penetrating rays. 2,901,631, 8-25-59, Cl. 250-86.

Hansen, Charles W.: See—  
Christensen, Donald J., Hansen, and Richardson. 2,892,571.

Hansen, Charles W. Auger conveyor. 2,867,314, 1-6-59, Cl. 198-64.

Hansen, Donald J. Dispensing valve mechanism. 2,877,798, 3-17-59, Cl. 137-627.5.

Hansen, Edward J., to The Hansen Mfg. Co. Safety seal. 2,898,130, 8-4-59, Cl. 285-96.

Hansen, Elmer K. Mixing and unloading device. 2,885,191, 5-5-59, Cl. 259-8.

Hansen, Emil C.: See—  
Bergman, Carl A., and Hansen. 2,877,178.

Hansen, Ernest W.: See—  
Dunnison, Arthur D., Wamsley, and Hansen. 2,902,935.

Hansen, Floyd R., and B. Zaremsky, to Ferro Chemical Corp. Vinyl chloride resin stabilized with 2-ethyl hexyl aryl phosphites. 2,867,594, 1-6-59, Cl. 260-23.

Hansen, Franklin A., and J. H. Boettler, to Black, Sivalls & Bryson, Inc. Relief valve. 2,872,938, 2-10-59, Cl. 137-493.9.

Hansen, Fred, and N. A. Platt. Clothesline equipment. 2,914,188, 11-24-59, Cl. 211-119.15.

Hansen, George C. Disposable diaper. 2,916,037, 12-8-59, Cl. 128-284.

Hansen, George E.: See—  
Carr, Edward W., and Hansen. 2,908,288.

Hansen, George E., to Crane Co. Thermal control device for container. 2,896,851, 7-28-59, Cl. 236-93.

Hansen, George E., and E. W. Carr, to Crane Co. Temperature and pressure relief valve assembly. 2,868,460, 1-13-59, Cl. 236-92.

Hansen, George R., to The Carborundum Co. Refractory bodies and method of making the same. 2,897,572, 8-4-59, Cl. 25-156.

Hansen, Gerhard, to C. Zeiss. Means for guiding and supporting members requiring precision movement, particularly microscope tables. 2,909,099, 10-20-59, Cl. 88-39.

Hansen, Hans C. Record changing phonographs. 2,891,409, 6-23-59, Cl. 74-200.

Hansen, Hans E., to Westinghouse Electric Corp. Handrail structure for moving stairways. 2,885,057, 5-5-59, Cl. 198-16.

Hansen, Hans E., to Westinghouse Electric Corp. Moving stairway. 2,905,308, 9-22-59, Cl. 198-16.

Hansen, Hans H.: See—  
Seeloff, Melvin M., and Hansen. 2,913,568.

Hansen, Hans R. A.: See—  
Bradburn, William J., Jr., Conger, and Hansen. 2,884,578.

Bradburn, William J., Jr., and Hansen. 2,882,480.

Norman, Horace M., and Hansen. 2,899,817.

Hansen, Harding B., W. C. Sealey, S. S. Stenersen, and K. P. Wiederkehr, to Allis-Chalmers Mfg. Co. Method of transformer assembly using divided tank and banding plate. 2,870,525, 1-27-59, Cl. 29-155.58.

Hansen, Harold, Jr., 50% to S. Hansen, and 50% to A. E. Utsler. Emergency brake. 2,878,902, 3-24-59, Cl. 188-77.

Hansen, Harold V.: See—  
Oehler, William P., and Hansen. 2,906,436.

Oehler, William P., and Hansen. 2,919,078.

Hansen, Harry. Slide fasteners. 2,878,541, 3-24-59, Cl. 24-205.13.

Hansen, Harry. Machine for shaping a string or band into serpentine-like configuration. 2,903,745, 9-15-59, Cl. 18-19.

Hansen, Harry. Slide fasteners. 2,907,088, 10-6-59, Cl. 24-205.13.

Hansen, Harry. Slide fasteners. 2,910,755, 11-3-59, Cl. 24-205.1.

Hansen, Harry A., W. F. Paterson, and C. L. Peters, to Radio Corp. of America. Variable capacitor. 2,913,645, 11-17-59, Cl. 317-249.

Hansen, Herman E., to Congoleum-Nairn Inc. Counter construction. 2,890,919, 6-16-59, Cl. 311-106.

Hansen, Howard J., to The Hansen Mfg. Co. Bayonet lock coupling. 2,896,977, 7-28-59, Cl. 285-277.

Hansen, James F.: See—  
Schaffert, Roland M., and Hansen. 2,901,349.

Hansen, Johannes H. Extension slide for tables and desks. 2,891,350, 6-23-59, Cl. 45-81.

Hansen, Johannes P., to Southern States Equipment Corp. Fiber handling device. 2,876,502, 3-10-59, Cl. 19-159.

Hansen, John G., R. H. Rugaber, and J. P. Welsh, to General Dynamics Corp. Mechanical character display device for electronic means. 2,896,845, 7-28-59, Cl. 235-132.

Hansen, Julian E., to General Dynamics Corp. Electrical contacting device. 2,905,774, 9-22-59, Cl. 200-11.

Hansen, Kai H.: See—  
Bertsch, Joseph F., Hansen, and Schilling. 2,916,284.

Hansen, Lewis C., to W. A. Sheaffer Pen Co. Operating mechanism for a writing instrument. 2,898,885, 8-11-59, Cl. 120-42.3.

Hansen, Lloyd D., and T. L. Hordosi, to Western Electric Co., Inc. Test set. 2,895,104, 7-14-59, Cl. 324-51.

Hansen-Lynn Co., Inc.: See—  
Curtin, John M. 2,917,945.

Huellden, Heinrich. 2,870,967.

Huellden, Heinrich. 2,870,968.

Hansen Mfg. Co., The: See—  
Hansen, Howard J. 2,896,977.

Hansen, Howard J. 2,898,130.

Hansen, Melvin O., to Owens-Illinois Glass Co. Surface decorating apparatus. 2,885,957, 5-12-59, Cl. 101-124.

Hansen, Oliver H. Means and method for fastening wood members together. 2,883,720, 4-28-59, Cl. 20-92.

Hansen, Oscar A. Process and apparatus for separating the foremost one of a stack of nested cup-shaped caps from the remainder of the stack and conveying it to a position at a distance from the stack. 2,914,894, 12-1-59, Cl. 53-38.

Hansen, Quinton A., to Fuller Mfg. Co. Synchronizer utilizing coil spring engaging member. 2,884,106, 4-28-59, Cl. 192-81.

Hansen, Ralph D. Window locking mechanism. 2,885,238, 5-5-59, Cl. 292-87.

Hansen, Robert L.: See—  
Childers, Spencer L., and Hansen. 2,890,813.

Hansen, Siegfried, to Litton Industries, Inc. Analog-to-digital converters. 2,885,662, 5-5-59, Cl. 340-347.

Hansen, Siegfried, to Litton Industries of California. Bellows units for flexible pressurized conduits. 2,886,066, 5-12-59, Cl. 138-49.

Hansen, Siegfried, to Litton Industries of California. Flexible pressurized conduit. 2,894,535, 7-14-59, Cl. 138-49.

Hansen, Siegfried. Feedback circuits for storage tubes. 2,896,110, 7-21-59, Cl. 315-12.

Hansen, Siegfried, and A. D. Le Vantine, to Litton Industries of California. Hose communication system. 2,917,987, 12-22-59, Cl. 98-1.

Hansen, Stella: See—  
Hansen, Harold, Jr. 2,878,902.

Hansen, Theodore A., to Teletype Corp. Transistor oscillatory control circuit. 2,912,654, 11-10-59, Cl. 331-117.

Hansen, Wilbur W., to United States of America, Navy. Position indicator. 2,906,883, 9-29-59, Cl. 250-203.

Hansen, Woodrow C. Cam actuated clutch. 2,901,070, 8-25-59, Cl. 192-34.

Hanser, Charles A.: See—  
Kuhn, Robert A., and Hanser. 2,887,799.

Hansford, Rowland C., to Union Oil Co. of California. Hydrocracking process. 2,885,349, 5-5-59, Cl. 208-109.

Hansford, Rowland C., to Union Oil Co. of California. Desulfurization process and catalyst. 2,911,359, 11-3-59, Cl. 208-213.

Hansford, Rowland C., to Union Oil Co. of California. Production of high activity alumina. 2,917,366, 12-15-59, Cl. 23-143.

Hansford, Rowland C., and D. A. Young, to Union Oil Co. of California. Hydrocracking catalyst and process. 2,873,246, 2-10-59, Cl. 208-68.

Hansley, Virgil L.: See—  
Schott, Stuart, and Hansley. 2,880,084.

Hansley, Virgil L., and S. Schott, to National Distillers and Chemical Corp. Reduction of fatty acid esters to produce alcohols. 2,915,564, 12-1-59, Cl. 260-638.

Hansley, Virgil L., H. Greenberg, and S. Schott, to National Distillers and Chemical Corp. Metal halide production. 2,916,351, 12-8-59, Cl. 23-87.

Hanson, Alan R.: See—  
Congdon, George L., Barta, and Hanson. 2,879,509.

Hanson, Alden W.: See—  
Donaldson, Walter E., and Hanson. 2,899,708.

Hanson, Alfred H. Combination bar tool. 2,886,994, 5-19-59, Cl. 81-3.35.

Hanson, Arthur F., to United States Steel Corp. Auxiliary support for cable hoist suspended apparatus. 2,917,195, 12-15-59, Cl. 214-658.

Hanson, Austin M.: See—  
Malzahn, Ronald C., Phillips, and Hanson. 2,876,169.

Hanson, Clark L., to International Harvester Co. Baffle plates for fertilizer distributor. 2,881,957, 4-14-59, Cl. 222-233.

Hanson, Clifford O. Outrigger assembly. 2,918,181, 12-22-59, Cl. 212-145.

Hanson, Einar H., and K. G. Strom, to Prime Mfg. Co. Adjustable sole gauge for rib applying machine. 2,903,723, 9-15-59, Cl. 12-20.

Hanson, Ellis P., R. A. Higonet, L. M. Moyroud, and A. Manevitz, to Graphic Arts Research Foundation, Inc. Type composing apparatus. 2,910,163, 10-27-59, Cl. 197-19.

Hanson, Elwood W., J. Drew, and L. Cagnolatti, to Crosby Chemicals, Inc. Tall oil fractionating process. 2,886,492, 5-12-59, Cl. 202-52.

Hanson Equipment Co.: See—  
Hegstad, Lester O. 2,893,416.

Hanson, Estyle D., to Western Electric Co., Inc. Article-assembling apparatus. 2,888,735, 6-2-59, Cl. 29-25.3.

Hanson, Estyle D., to Western Electric Co., Inc. Variable speed distributor. 2,900,145, 8-18-59, Cl. 242-158.2.

Hanson, Eugene O., to Radio Corp. of America. Electrode assembly. 2,877,370, 3-10-59, Cl. 313-82.

Hanson, Eugene O., and J. L. Shrontz, to Radio Corp. of America. Beading fixture. 2,871,621, 2-3-59, Cl. 49-1.

Hanson, Frances H. Packaging means for butter and butter substitutes. 2,884,155, 4-28-59, Cl. 220-23.4.

Hanson, Harry L., to Good Roads Machinery Corp. Suction road cleaning machine. 2,887,714, 5-26-59, Cl. 15-340.

Hanson, Herbert G., and R. E. Poethig, to The Bastian-Blessing Co. Pressure filler control. 2,916,060, 12-8-59, Cl. 141-225.

Hanson, James S., and A. L. Naylor, to The Fairbanks Co. Adjustable spring-loaded caster. 2,915,776, 12-8-59, Cl. 16-44.

Hanson, Lars, and K. M. Gertels, to Carrier Corp. Capacity control for reciprocating compressors. 2,917,225, 12-15-59, Cl. 230-2.

Hanson, Oliver M. Pleat forming curtain hanger. 2,895,194, 7-21-59, Cl. 24-84.

Hanson, Reuben J., and C. E. Buros. Hat storage rack. 2,884,297, 4-28-59, Cl. 312-304.

Hanson, Ross A., to Union Oil Co. of California. Hydrocracking of hydrocarbons with reaction conditions dependent on nitrogen content of feed. 2,911,356, 11-3-59, Cl. 208-110.

Hanson, Ross A., to Union Oil Co. of California. Coking process. 2,913,395, 11-17-59, Cl. 208-87.

Hanson, Theodore L.: See—  
Gore, Le Roy D., Hanson, and McBride. 2,907,547.

Hanson, Theodore L., and L. D. Gore, to The Vendo Co. Empty indicating device and gas purging system for drink vending machines. 2,880,910, 4-7-59, Cl. 222-65.

Hanson, Theodore L., and D. W. McBride, to The Vendo Co. Dispensing trap having flexible walls. 2,903,165, 9-8-59, Cl. 222-447.

Hanson, Thomas P. Debarbarking-drum construction. 2,897,858, 8-4-59, Cl. 144-208.

Hanson-Van Winkle-Munning Co.: See—  
Brown, Oliver J., Jr., and Miller. 2,918,069.

Foulke, Donald G., Kardos, and Koretzky. 2,881,121.

Foulke, Donald G., Kardos, and Koretzky. 2,881,122.

Hauk, Paul A. 2,885,055.

Hauk, Paul A. 2,902,181.

Kardos, Otto, and Neumann. 2,879,211.

Hansen, Victor E.: See—  
Bugbee, Stuart J., Hansen, and Babcock. 2,872,400.

Hanson, Victor G., to International Cigar Machinery Co. Cigar mouthpiece feed. 2,891,557, 6-23-59, Cl. 131-88.

Hanson, Walter J.: See—  
Strother, John A., Hanson, and Boytes. 2,887,951.

Hanssen, Oktor M., to A/S Ardal og Sunddal Verk. Method and arrangement for regulating the electrical effect to electrolysis furnaces coupled in series, particularly for the production of aluminium. 2,904,490, 9-15-59, Cl. 204-225.

Hansteln, Walter: See—  
Mehlin, Ted J., Hansteln, and Frederick. 2,887,315.

Hanthorn, Horace F., and W. M. Stobbe, to Radio Corp. of America. Variable voltage switching device. 2,884,587, 4-28-59, Cl. 323-47.

Hanthorn, Horace F., to Radio Corp. of America. Punched card operated apparatus. 2,903,529, 9-8-59, Cl. 200-46.

Hantscho, George. Printing press rollers. 2,900,904, 8-25-59, Cl. 101-415.1.

Hanus, John, and S. N. Parker. Air mixing and flow control device. 2,905,375, 9-22-59, Cl. 230-114.

Hanyasz, Eugene A., to General Motors Corp. Ultrasonic testing. 2,885,887, 5-12-59, Cl. 73-67.6.

Hanyasz, Eugene A., to General Motors Corp. Ultrasonic transmission testing method. 2,912,853, 11-17-59, Cl. 73-67.6.

Hanyasz, Eugene A., and N. W. Schubring, to General Motors Corp. Material thickness and defect testing device. 2,889,705, 6-9-59, Cl. 73-67.8.

Hanyasz, Eugene A., and R. J. Saur, to General Motors Corp. Coating thickness gage. 2,916,694, 12-8-59, Cl. 324-34.

Hanze, Arthur R., to The Upjohn Co. 11-oxygenated-17a,21-dihydroxy-4-pregn-20-one and the 21-esters thereof. 2,868,783, 1-13-59, Cl. 260-239.55.

Hanze, Arthur R., to The Upjohn Co. Novel process for steroidal oxidation products. 2,889,343, 6-2-59, Cl. 260-397.45.

Hanze, Arthur R., to The Upjohn Co. Method of making 4,22-stigmastadien-3-one. 2,890,226, 6-9-59, Cl. 260-397.2.

Happ, Hermann, and H. Hartz. Resilient rotary connections for drive shafts. 2,910,843, 11-3-59, Cl. 64-11.

Happe, Reynold, to The Singer Mfg. Co. Portable tools with selective means for locking spindle. 2,872,197, 2-3-59, Cl. 279-1.

Happel, John: See—  
Marsel, Charles J., and Happel. 2,902,457.

Happell, John J., to The Babcock & Wilcox Co. Liquid-vapor separating drum. 2,877,747, 3-17-59, Cl. 122-435.

Hara, Yujiro: See—  
Miki, Takuchi, and Hara. 2,891,068.

Miki, Takuchi, and Hara. 2,891,081.

Haracz, Edward F. Belts for conveying and supporting flat plates in grinding and polishing machines. 2,877,607, 3-17-59, Cl. 51-235.

Harbaugh, Max L., and G. A. Pelree, to E. I. du Pont de Nemours and Co. Process for manufacture of sulfamic acid. 2,880,064, 3-31-59, Cl. 23-166.

Harbaugh, Philip W., to The Morse Instrument Co. Positive gear drive control mechanism. 2,875,636, 3-3-59, Cl. 74-472.

Harbec, Rene: See—  
Wilson, James R., and Harbec. 2,898,003.

Harben, William C. Fender cover. 2,880,015, 3-31-59, Cl. 280-150.

Harbers, Henry C., and D. R. Merchant, to Cook Bros. Equipment Co. Dump truck. 2,868,583, 1-13-59, Cl. 298-15.

Harbes, John F., and R. A. Swan. Base for Christmas trees. 2,904,291, 9-15-59, Cl. 248-44.

Harbin, Raymond H.: See—  
Arnold, Orlan M., and Harbin. 2,916,459.

Harblison, George C., to General Electric Co. Sealing gasket. 2,889,593, 6-9-59, Cl. 20-69.

Harblison-Walker Refractories Co.: See—  
Britner, Richard B., and Lisc. 2,893,101.

McGill, Lincoln A., and Moore. 2,885,976.

Schob, Fred O. 2,908,062.

Harbor Plywood Corp.: See—  
Markwell, Harry D. 2,871,896.

Harbor, William H., to The National Cash Register Co. Item counter control mechanism for accounting machines. 2,868,446, 1-13-59, Cl. 235-60.

Harbottle, John R., to Jonas Woodhead & Sons Ltd. Spring rollers or idlers for conveyor belts. 2,901,092, 8-25-59, Cl. 198-192.

Harbottle, John R., to Jonas Woodhead & Sons Ltd. Resilient conveyor rollers. 2,901,093, 8-25-59, Cl. 198-192.

Harbour, George L.: See—  
Slover, Archy F., and Harbour. 2,894,861.

Harchikov, Konstantin F. Drawing device. 2,900,725, 8-25-59, Cl. 33-41.

Harcierode, John R., to Clipper Mfg. Co. Movement limiting guard for the saw on the cutting head of masonry saws. 2,874,687, 2-24-59, Cl. 125-13.

Harcierode, John R., to Eveready Brikshaw Co. Masonry saw. 2,893,372, 7-7-59, Cl. 125-13.

Harcollinski, Antoni: See—  
Finlayson, Donald, Harcollinski, and Krzesinski. 2,888,711.

Harcum, William M., to Tactair Inc. Inner gimbal pickoff. 2,871,704, 2-3-59, Cl. 74-5.6.

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Hard af Segerstad, Carl G. Fluid-operated motor of the reciprocating type. 2,889,817, 6-9-59, Cl. 121-48.

Hardenbergh, George A.: See—  
Burrell, Warren P., Cohen, and Hardenbergh. 2,901,168.

Hardenberg, Jan J. C.: See—  
Van Alphen, Pieter M., van der Wal, and Hardenberg. 2,874,300.

Harder, Alvin E., to A. O. Smith Corp. Brake beam of welded construction. 2,887,189, 5-19-59, Cl. 188-223.1.

Harder, Alvin E., and R. C. Roderick, to A. O. Smith Corp. Railway car grating. 2,878,761, 3-24-59, Cl. 105-457.

Harder, Karl M., to Patent-und Versuchs-Anstalt. Device for the tolerance testing and grading into tolerance categories of objects and workpieces. 2,901,105, 8-25-59, Cl. 209-58.

Harders, Fritz, to Dortmund-Hörder Hüttenunion Akt. Methods of reducing iron ores and carburizing under vacuum. 2,895,820, 7-21-59, Cl. 75-48.

Harders, Fritz, to Dortmund-Hörder Hüttenunion Akt. Sealing means for vacuum vessels. 2,906,521, 9-29-59, Cl. 260-34.

Harders, Fritz, H. Knuppel, and K. Brotzmann, to Dortmund-Hörder Hüttenunion Akt. Equipment for degassing metals in particular steel melts. 2,893,715, 7-7-59, Cl. 266-34.

Hardisty, Edwin C., and W. E. Stahlhut. Tomato peeling machine. 2,888,969, 6-2-59, Cl. 146-43.

Hardisty, Ethridge E., to Fairchild Engine and Airplane Corp. Resistance welding methods and apparatus. 2,892,922, 6-30-59, Cl. 219-87.

Hardisty, Frederick L. Portable power megaphone apparatus. 2,915,587, 12-1-59, Cl. 179-1.

Hardisty, George K. C. Duo-panel edge illumination system. 2,888,911, 5-19-59, Cl. 40-130.

Hardfield Corp.: See—  
Haskins, Lewis S. 2,899,097.

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Hardgrove, Ralph M.: See—  
Bailey, Ervin G., Hardgrove, and Hamilton. 2,879,717.

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Hardgrove, Ralph M., to The Babcock & Wilcox Co. Slag tank design for pressure furnaces. 2,918,697, 12-29-59, Cl. 18-24.

Hardie, George C. Scaffolding. 2,879,110, 3-24-59, Cl. 304-40.

Hardie, Harry. Garment band. 2,912,699, 11-17-59, Cl. 2-237.

Hardin, Carl L. Wire cutter. 2,894,324, 7-14-59, Cl. 30-240.

Hardin, Clyde D., and J. Salerno, to United States of America, Army. Generation of very short microwave pulses. 2,908,870, 10-13-59, Cl. 331-87.

Hardin, William J. Vending machine head. 2,917,203, 12-15-59, Cl. 221-195.



- Harding, Duncan V.: See—  
Muramatsu, James S., and Harding. 2,917,289.
- Harding, John H., to C. H. Masland & Sons. Uncut floats over cutting wire, and wire construction. 2,915,091, 12-1-59, Cl. 139-44.
- Harding, John K., and D. G. A. Thomas, to Dowty Nucleonics Ltd. Valve for use with gases contaminated with nuclear fission products. 2,906,290, 9-29-59, Cl. 137-597.
- Harding, Robert: See—  
Mead, Bruce R. and C. R., and Harding. 2,867,536.
- Harding, William R., and C. J. McDowall, to General Motors Corp. Heated pressure probe. 2,870,633, 1-27-59, Cl. 73-212.
- Hardinge Brothers, Inc.: See—  
Parsons, Hubert J., and Peterson. 2,895,740.
- Strom, David W. 2,897,578.
- Hardinge, Harlowe. Method and apparatus for concentrating and classifying material. 2,899,139, 8-11-59, Cl. 241-19.
- Hardinge, Harlowe. Pulverizing mill and process of pulverizing material. 2,909,330, 10-20-59, Cl. 241-19.
- Hardison, Wilbur T.: See—  
Bourne, Marlan E., and Hardison. 2,873,340.
- Bourne, Marlan E., Hardison, and Hulbert. 2,882,375.
- Bourne, Marlan E., Harrison, and Hardison. 2,873,337.
- Hardman, Albert F., to The Goodyear Tire & Rubber Co. Thiocarbonyl amine disulfide accelerators. 2,888,445, 5-26-59, Cl. 260-79.5.
- Hardman, Carl G., to Diamond Alkali Co. Method of impregnating a carbon electrode with a drying oil. 2,881,109, 4-7-59, Cl. 117-228.
- Hardman, Carl G., to Diamond Alkali Co. Carbon electrode oil impregnation method. 2,902,386, 9-1-59, Cl. 117-61.
- Hardman, H. V. Co., Inc.: See—  
Hardman, Kenneth V., Lang, and Doane. 2,913,751.
- Pande, Henry. 2,895,644.
- Hardman, Harley F., to The Standard Oil Co. Paving asphalt composition and a process of making it. 2,877,128, 3-10-59, Cl. 106-279.
- Hardman, Harley F., to The Standard Oil Co. Asphalt composition containing a fatty ester and a process of making it. 2,877,129, 3-10-59, Cl. 106-279.
- Hardman, Harley F., and R. W. Foreman, to The Standard Oil Co. Rapid method for the isolation of petrolenes from asphalt. 2,894,904, 7-14-59, Cl. 208-337.
- Hardman, James A.: See—  
France, Edward L., and Hardman. 2,878,883.
- Hardman, Kenneth V., A. J. Lang, and M. E. Doane, to H. V. Hardman Co., Inc. Brush. 2,913,751, 11-24-59, Cl. 15-192.
- Hardmark, Ragnar M., to Svenska Aeroplan Aktiebolaget. Hermetically sealed electric cable connector. 2,896,186, 7-21-59, Cl. 339-100.
- Hardouin, Yvane: See—  
Bizouard, Paul, and Hardouin. 2,896,164.
- Hardt Foundation: See—  
Haggadone, L. V. 2,888,665.
- Hardtmuth, L. & C., Inc.: See—  
Gigli, Giulio. 2,915,041.
- Hardway, Edward W., Jr., to Robertshaw-Fulton Controls Co. Well logging methods and apparatus. 2,887,172, 5-19-59, Cl. 181-5.
- Hardwicke, James E.: See—  
Hasek, Robert H., and Hardwicke. 2,912,439.
- Hardwicke, James E., J. King, and R. C. Terrell, to Shulton, Inc. Synthesis of sesamol acetate and sesamol. 2,885,407, 5-5-59, Cl. 260-340.5.
- Hardy, Alex., to General Motors Corp. Automatic transmission pump. 2,875,700, 3-3-59, Cl. 103-126.
- Hardy, Edgar E., to Monsanto Chemical Co. Elastomer having dispersed therein an organo clay. 2,883,357, 4-21-59, Cl. 260-37.
- Hardy, Elizabeth M.: See—  
Lecher, Hans Z., and Hardy. 2,872,484.
- Lecher, Hans Z., and Hardy. 2,878,272.
- Hardy, Elizabeth M., J. F. Hosler, and G. Lamb, to American Cyanamid Co. Trichloromethyl benzenethiosulfonates. 2,879,193, 3-24-59, Cl. 167-30.
- Hardy, Francis H.: See—  
Schmidt, Stanley A., and Hardy. 2,880,380.
- Hardy, Gordon W. Fluid-energy translating device. 2,911,917, 11-10-59, Cl. 103-46.
- Hardy, Henry, to International Vulcanizing Corp. Method of making rubber shoes. 2,878,523, 3-24-59, Cl. 18-59.
- Hardy, Henry G.: See—  
Rogston, Robert. 2,883,192.
- Hardy, James A., to Schwitzer Corp. Torque transmitting fluid coupling. 2,902,127, 9-1-59, Cl. 192-58.
- Hardy, James W., to Goodman Mfg. Co. Tension mechanism for an extensible conveyor. 2,897,564, 8-4-59, Cl. 23-134.
- Hardy, Maurice E., to Zenith Radio Corp. Retractable phonograph spindle. 2,918,289, 12-22-59, Cl. 274-10.
- Hardy, Paul W., to American Can Co. Nitric acid treatment of steel. 2,915,420, 12-1-59, Cl. 134-3.
- Hardy, Rene J. Electronic spotting device, applicable in particular, for the guiding of rockets and other high speed appliances. 2,892,949, 6-30-59, Cl. 250-214.
- Hardy, Robert L., to Esso Research and Engineering Co. Catalytic hydroforming in the presence of controlled amounts of water. 2,876,194, 3-3-59, Cl. 208-136.
- Hardy, Robert L., H. A. Richards, Jr., S. W. Downer, III, and R. E. Olsen, to Esso Research and Engineering Co. Vapor sampler. 2,880,615, 4-7-59, Cl. 73-422.
- Hardy, William B.: See—  
Naylor, Ralph A., and Hardy. 2,919,259.
- Scalera, Mario, Tomcufick, and Hardy. 2,879,274.
- Thomas, Walter M., Sullivan, and Hardy. 2,883,371.
- Hardy, William B., to American Cyanamid Co. Polyester resinous compositions light-stabilized with a dibenzoyl alkyl phenol. 2,890,193, 6-9-59, Cl. 260-45.4.
- Hardy, William B., to American Cyanamid Co. Vinyl chloride resinous compositions light-stabilized with a dibenzoyl alkyl phenol. 2,890,201, 6-9-59, Cl. 260-45.95.
- Hardy, William B., J. F. Hosler, and G. Lamb, to American Cyanamid Co. Aliphatic trichloromethylthiosulfonates. 2,877,258, 3-10-59, Cl. 260-453.
- Hardy, William B., J. H. Thellin, and F. M. Furman, to American Cyanamid Co. Process for naphthalene thiolglycolic acids. 2,877,261, 3-10-59, Cl. 260-470.
- Hardy, William B., J. H. Thellin, and F. M. Furman, to American Cyanamid Co. Process for naphthalene thiolglycolic acids. 2,884,449, 4-23-59, Cl. 260-516.
- Hardy, William B., and E. Klingsberg, to American Cyanamid Co. Ferrocene derivatives. 2,900,401, 8-18-59, Cl. 260-439.
- Hardy, William B., J. H. Thellin, and F. Furman, to American Cyanamid Co. Reaction of naphthols with hydrogen sulfide. 2,903,484, 9-8-59, Cl. 260-609.
- Hardy, William B., and F. H. Adams, to American Cyanamid Co. Process for blowing an organo-plastic material with an organo sulfamoyl azide. 2,912,391, 11-10-59, Cl. 260-2.5.
- Hardy, William B., and J. F. Hosler, to American Cyanamid Co. Novel 3-acylamino triazoles. 2,914,536, 11-24-59, Cl. 260-308.
- Hare, Donald G. C., to United States of America, Navy. Selective signaling device. 2,902,673, 9-1-59, Cl. 340-171.
- Hare, Donald G. C., and H. R. Skifter, to United States of America, Navy. Repeater station having reduced self oscillation. 2,875,328, 2-24-59, Cl. 250-15.
- Hare, George H.: See—  
Toomlin, Hershel, and Hare. 2,903,523.
- Hare, George H., and D. R. Margetta, to Beckman Instruments, Inc. Radio frequency mass spectrometer. 2,896,083, 7-21-59, Cl. 250-41.9.
- Hare, Robert G., to Hartford Gun Choke Co., Inc. Automatic choke device for shotguns. 2,894,349, 7-14-59, Cl. 42-79.
- Hare, Terence G., to Miller Mfg. Co. Faucet with ball bearing mounted seal. 2,879,025, 3-24-59, Cl. 251-88.
- Hare, Terence G. Valve with ball bearing mounted sealing member. 2,888,235, 5-26-59, Cl. 251-88.
- Hare, Terence G. Valve seal. 2,888,236, 5-26-59, Cl. 251-88.
- Hare, Weston A., to E. I. du Pont de Nemours and Co. Process for shrinking and setting polyacrylonitrile textile filaments with specific chemical shrinking agents. 2,869,975, 1-20-59, Cl. 8-130.1.
- Hares, George B., to Corning Glass Works. Image orthicon target. 2,879,420, 3-24-59, Cl. 313-68.
- Harfenist, Morton: See—  
Bavley, Abraham, and Harfenist. 2,882,200.
- Harfenist, Morton. Piperazine quaternary salts having parasitic activity and method of making. 2,880,209, 3-31-59, Cl. 260-268.
- Harford, Arthur D., and H. W. Vernon. Pest combating compositions. 2,897,112, 7-28-59, Cl. 167-30.
- Harger, Rolla N., to Indiana University Foundation. Apparatus for measuring alcohol content of gases. 2,867,511, 1-6-59, Cl. 23-254.
- Hargis, Sam H. Furrow opener. 2,885,014, 5-5-59, Cl. 172-719.
- Hargrave, Delbert A., to Schaefer Inc. Frozen food display cabinet and cover therefor. 2,888,811, 6-2-59, Cl. 62-255.
- Hargraves, Woodrow J. Dispenser and receptacle mounting. 2,887,216, 5-19-59, Cl. 206-19.5.
- Hargreaves, Robert, to Whitin Machine Works. Yarn stretching apparatus. 2,884,679, 5-5-59, Cl. 28-71.3.
- Hargreaves, Thomas S.: See—  
Dubitzky, Michael, Hargreaves, and Keyt. 2,879,943.
- Hargreaves, William V., Jr., to Allen B. Du Mont Laboratories, Inc. Frequency modulation receiver hiss-responsive squelch circuit made ineffective by excess deviation audio peaks. 2,878,377, 3-17-59, Cl. 250-20.
- Hargrove, Frank L., and L. P. Grobel, to General Electric Co. Friction shaft-coupling assembly. 2,879,092, 3-24-59, Cl. 287-129.
- Hargrove, Stone L. Disposable self feeder for rodents. 2,912,788, 11-17-59, Cl. 43-131.
- Harke, LeRoy J., to Moloney Electric Co. Three-phase cores for electrical induction apparatus. 2,911,603, 11-3-59, Cl. 336-5.
- Harke, Raymond J. Liquid level signaling device. 2,907,994, 10-6-59, Cl. 340-245.
- Harkema, Pieter: See—  
Grosser, Hermann K. M., and Harkema. 2,912,484.
- Harkema, Pieter, to North American Phillips Co., Inc. Circuit for triggering one of a plurality of common cathode coupled control circuits. 2,897,357, 7-28-59, Cl. 250-27.
- Harkenrider, Robert J.: See—  
Miller, Rudolph W., and Harkenrider. 2,910,331.

- Harkenrider, Robert J. Induction heating in injection and extrusion processes. 2,875,311, 2-24-59, Cl. 219-10.49.
- Harkenrider, Robert J., to Multiple Extrusions, Inc. Making multiple tube structures by extrusion. 2,908,037, 10-13-59, Cl. 18-12.
- Harkenrider, Robert J., to Miller Lubricator Co. Journal box packing. 2,910,330, 10-27-59, Cl. 308-243.
- Harker, Charles B., to Bartlett Engineering Co. Machine for forming, filling and closing bags. 2,885,846, 5-12-59, Cl. 53-124.
- Harker, Charles B., to Bartlett Engineering Co. Bag opening mechanism for packaging machine. 2,899,786, 8-18-59, Cl. 53-187.
- Harker, John M., and J. J. Lynott, to International Business Machines Corp. Positioning device. 2,913,922, 11-24-59, Cl. 74-601.
- Harker, Robert J., to Commercial Solvents Corp. Method of repelling rodents by treating with a composition comprising an aryl nitroolefin. 2,889,246, 6-2-59, Cl. 167-46.
- Harkess, William L.: See—  
Cargill, Sylvester H., and Harkess. 2,894,362.
- Harkins, Edison A., Jr. Contact shoe for conductor rail. 2,894,078, 7-7-59, Cl. 191-45.
- Harkins, Elza E., and D. H. Young, to Royal McBee Corp. Feed for web press. 2,872,188, 2-3-59, Cl. 271-2.2.
- Harkins, Jack, to Professional Golf Co. Steel power-center golf ball. 2,914,328, 11-24-59, Cl. 273-230.
- Harkleroad, Conway C. Power control mechanism. 2,883,866, 4-28-59, Cl. 74-11.
- Harkness, Joseph R., to Briggs & Stratton Corp. Piezoelectric igniter unit for internal combustion engines. 2,871,280, 1-27-59, Cl. 123-148.
- Harkness, Leslie M., E. D. Cornwell, and G. P. Goetz, to Armour and Co. Manufacture of bone glue. 2,881,158, 4-7-59, Cl. 260-118.
- Harkness, Reed B., and E. E. Lacey, to The C. Dewitt Lukens Surgical Mfg. Co. Ligature package. 2,870,906, 1-27-59, Cl. 260-63.3.
- Harkness, Tom S. Building structure. 2,869,561, 1-20-59, Cl. 135-1.
- Harlan, Avery S.: See—  
Crane, Buren C., Honan, and Harlan. 2,904,652.
- Harlan, Avery S., and P. R. Honan, to Indiana Commercial Filters Corp. Liquid filter device. 2,887,228, 5-19-59, Cl. 210-108.
- Harlan, Kenneth G., to United States of America, Navy. Transition fuel cells. 2,900,289, 8-18-59, Cl. 154-43.5.
- Harland, Philip W.: See—  
Le Van, Ambrose E., Harland, and Waite. 2,906,232.
- Harland, Philip W., and J. N. Storms, to American Machine and Metals, Inc. Rotatable pressure gauges. 2,874,572, 2-24-59, Cl. 73-407.
- Harland, William G.: See—  
Griffiths, Jack, and Harland. 2,899,264.
- Harle, Harold P., to General Electric Co. Ice maker. 2,912,836, 11-17-59, Cl. 62-353.
- Harle, Oliver L., and J. R. Thomas, to California Research Corp. Oxidation resistant lubricant compositions. 2,892,784, 6-30-59, Cl. 252-47.5.
- Harle, Oliver L., and J. R. Thomas, to California Research Corp. Oxidation resistant lubricant compositions. 2,892,785, 6-30-59, Cl. 252-49.6.
- Harleigh Holmes 4-Wheel Drive Co.: See—  
Ainsworth, Laine J. 2,871,965.
- Harless, Charles A., to R. Hoe & Co., Inc. Rotary shaft clutch. 2,894,775, 7-14-59, Cl. 287-108.
- Harless, Charles A., to R. Hoe & Co., Inc. Inking mechanism for printing machines. 2,900,900, 8-25-59, Cl. 101-366.
- Harless, Charles A., and B. C. Polglase, Jr., to R. Hoe & Co., Inc. Inking mechanism for printing machines. 2,915,008, 12-1-59, Cl. 101-349.
- Harley, Earl K.: See—  
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- Harley, Frank B. Buckles. 2,903,774, 9-15-59, Cl. 24-170.
- Harley, Joseph J., and J. B. Cunningham, to General Steel Castings Corp. Railway vehicle truck. 2,877,720, 3-17-59, Cl. 105-197.
- Harley, William B., J. A. Harmon, and J. Sutherland, to The Dow Chemical Co. Method of shutting off water in petroleum wells. 2,887,159, 5-19-59, Cl. 166-29.
- Harling, Donald W., to McGraw-Edison Co. Latch. 2,869,909, 1-20-59, Cl. 292-256.
- Harling, Donald W., to McGraw-Edison Co. Outdoor lighting luminaire. 2,875,323, 2-24-59, Cl. 240-25.
- Harling, Donald W., to McGraw-Edison Co. Fluorescent luminaire. 2,886,699, 5-12-59, Cl. 240-25.
- Harling, Donald W., to McGraw-Edison Co. Fluorescent luminaire and mounting arrangement therefor. 2,907,544, 10-6-59, Cl. 248-230.
- Harlow, Walter F., to International Combustion (Holdings) Ltd. Centrifugal machines. 2,867,378, 1-6-59, Cl. 233-7.
- Harm, Alson R.: See—  
Cameron, Frank L., and Harm. 2,911,499.
- Harman, Cameron G.: See—  
Fenley, Robert D., and Harman. 2,891,914.
- Harman, Cameron G., to Horizons Inc. Production of boric acid. 2,898,192, 8-4-59, Cl. 23-149.
- Harman, Cameron G., and R. D. Fenley, to The Star Porcelain Co. Low loss ceramic insulators. 2,878,130, 3-17-59, Cl. 106-46.
- Harman, Emil I., and T. Pschick, to Philco Corp. Television receivers. 2,917,577, 12-15-59, Cl. 178-7.5.
- Harman, Jack, to Weaver Mfg. Co. Lifting jack for automotive vehicles and the like. 2,911,191, 11-3-59, Cl. 254-122.
- Harman, Julius, to Wilmot-Breeden Ltd. Door fasteners. 2,892,653, 6-30-59, Cl. 292-216.
- Harman, Marion W.: See—  
Tomlin, Andrew, Harman, Zerbe, and Sibley. 2,892,805.
- Harman, Marion W., to Monsanto Chemical Co. Nematocide. 2,905,586, 9-22-59, Cl. 167-22.
- Harman, Marion W., and J. J. D'Amico, to Monsanto Chemical Co. Polyhaloalkenyldithiocarbamates. 2,876,243, 3-3-59, Cl. 260-455.
- Harman, Marion W., and H. W. Kilbourne, to Monsanto Chemical Co. Haloalkenyl esters of mono-substituted dithiocarbamic acids. 2,882,291, 4-14-59, Cl. 260-455.
- Harman, Marion W., and H. W. Kilbourne, to Monsanto Chemical Co. Allyl esters of mono-substituted dithiocarbamic acids. 2,895,980, 7-21-59, Cl. 260-455.
- Harman, Marion W., and J. J. D'Amico, to Monsanto Chemical Co. Aminoethylthiazoles. 2,900,299, 8-18-59, Cl. 167-33.
- Harman, Marion W., and J. J. D'Amico, to Monsanto Chemical Co. Aminoalkylthiazoles. 2,912,357, 11-10-59, Cl. 167-33.
- Harman, Marion W., and J. J. D'Amico, to Monsanto Chemical Co. Method of controlling vegetation. 2,919,182, 12-29-59, Cl. 71-2.7.
- Harmon, Alton O., to St. Francis Valley Farms Co. Land leveler. 2,874,490, 2-24-59, Cl. 37-169.
- Harmon, Arthur R.: See—  
Woods, Charles W., and Harmon. 2,891,661.
- Harmon, Bernard R.: See—  
Ray, Anatoly B., and Harmon. 2,890,434.
- Harmon, Bill G., to Engineered Grouting Service. Liner set tool. 2,913,052, 11-17-59, Cl. 166-144.
- Harmon, Carlyle, H. W. Griswold, and J. H. Smith, to Chicopee Mfg. Corp. Process of forming a dispersion of particles of controlled size. 2,909,491, 10-20-59, Cl. 252-305.
- Harmon, Esther, to S. and C. D. Scram, d. b. a. Scram Bros. Child's garment. 2,876,455, 3-10-59, Cl. 2-80.
- Harmon, George H., and A. E. Rockwood, Jr., to Western Electric Co., Inc. Impedance calibrator. 2,899,141, 8-11-59, Cl. 242-9.
- Harmon, Henry D.: See—  
Armstrong, Lorne D., Harmon, and Meisel. 2,878,432.
- Harmon, James A.: See—  
Harley, William B., Harmon, and Sutherland. 2,887,159.
- Harmon, William C., to Republic Steel Corp. Method of and apparatus for inspecting work pieces. 2,914,726, 11-24-59, Cl. 324-37.
- Harms, Arthur M., to Harms Hosiery Co., Inc. Garment and method of making. 2,898,754, 8-11-59, Cl. 66-177.
- Harms Hosiery Co., Inc.: See—  
Harms, Arthur M. 2,898,754.
- Harmuth, Henning, to United States of America, Army. Electronic squaring circuit. 2,887,576, 5-19-59, Cl. 250-27.
- Harned, John L., R. F. Knudsen, and F. M. Ward, to General Motors Corp. Simulated inertia weight system. 2,882,721, 4-21-59, Cl. 73-116.
- Harned, Roger L.: See—  
Hidy, Phil H., Phillips, and Harned. 2,902,480.
- Harner, Robert H., to S & C Electric Co. Circuit interrupter construction. 2,877,322, 3-10-59, Cl. 200-120.
- Harness, James C., to Bendix Aviation Corp. Conveyor mechanism. 2,885,062, 5-5-59, Cl. 198-155.
- Harnish, Don P., and R. W. Brukardt, to Crown Zellerbach Corp. Nestable berry tray. 2,893,621, 7-7-59, Cl. 229-34.
- Harnish, James R., to Borg-Warner Corp. Air conditioning systems. 2,893,218, 7-7-59, Cl. 62-180.
- Harnish, Kenneth A., to General Motors Corp. Counter-top construction. 2,876,460, 3-10-59, Cl. 4-187.
- Haroldson, Arthur H., and H. L. Cox, to Continental-Diamond Fibre Corp. Refusible fuseholder. 2,870,295, 1-20-59, Cl. 200-131.
- Haroldson, Arthur H., E. A. Mulrooney, Jr., and W. P. Hogan, to Continental-Diamond Fibre Corp. Method for making coherent unsintered plastic tape. 2,915,786, 12-8-59, Cl. 18-55.
- Haropoulos, John T. Capacitive step level indicator for conductive liquids. 2,868,015, 1-13-59, Cl. 73-304.
- Harowitz, Charles L., to Virginia-Carolina Chemical Corp. Production of esters of phosphonous and phosphinous acids. 2,903,475, 9-8-59, Cl. 260-461.
- Harp, Thomas H., Jr.: See—  
Sparks, Marshall S., Jr., and Harp. 2,900,511.
- Harper, Billy G., J. H. Brown, Jr., and J. C. Moore, to The Dow Chemical Co. Method of making permselective membranes. 2,894,289, 7-14-59, Cl. 18-57.
- Harper, Chester H.: See—  
Allen, Kenneth M., and Harper. 2,899,044.
- Harper, Duane C.: See—  
Peck, George R. 2,899,336.
- Harper, Katherine M. Garment clasp. 2,918,713, 12-29-59, Cl. 24-259.
- Harper, Kenneth A., to Phillips Petroleum Co. Process and apparatus for disengaging particulate solid contact material. 2,875,000, 2-24-59, Cl. 302-59.



- Harper, Kenneth A., to Phillips Petroleum Co. Fluidized solids process and apparatus. 2,895,906, 7-21-59, Cl. 208-147.
- Harper, Kenneth A., to Phillips Petroleum Co. Fluidized solids transfer with a valve erosion reduction method and apparatus. 2,905,635, 9-22-59, Cl. 208-164.
- Harper, Kenneth A., to Phillips Petroleum Co. Catalyst regenerator. 2,906,607, 9-29-59, Cl. 23-288.
- Harper, Kenneth A., to Phillips Petroleum Co. Metal contaminant removal from catalytic cracking feedstock. 2,914,458, 11-24-59, Cl. 208-88.
- Harper, Kenneth A., to Phillips Petroleum Co. Moving bed catalytic system to upgrade gasoline. 2,915,456, 12-1-59, Cl. 208-70.
- Harper, Laffie. Clip forming machine and method. 2,912,038, 11-10-59, Cl. 153-28.
- Harper, Leonard L., to Crane Packing Co. Press with enclosed toggles. 2,897,784, 8-4-59, Cl. 121-38.
- Harper, Leonard R., to International Business Machines Corp. Calculator program system. 2,910,236, 10-27-59, Cl. 233-157.
- Harper, Lyndus E.: See—
- Birtwell, William C., and Harper. 2,872,074.
- Coffman, Paul A., Jr., and Harper. 2,886,302.
- Coffman, Paul A., Jr., and Harper. 2,900,110.
- Harper, Lyndus E., to B-I-F Industries, Inc. Feed measuring and controlling apparatus. 2,872,073, 2-3-59, Cl. 222-53.
- Harper, Robert: See—
- Unzer, Robert M., and Harper. 2,882,587.
- Harper, Robert, to Raytheon Mfg. Co. Traveling wave tubes. 2,916,655, 12-8-59, Cl. 315-3.5.
- Harper, Stanley A., to Radio Corp. of America. Zinc sulfide-coated phosphor particles, phosphor screen, and method of making screen. 2,908,588, 10-13-59, Cl. 117-33.5.
- Harper, Toby W. Automatic liquid delivery shut-off device. 2,870,800, 1-27-59, Cl. 141-209.
- Harper, Willard J.: See—
- Hobbs, William M., Harper, and Meess. 2,916,252.
- Harper, William D. Vehicle body support for absorbing horizontal component of loads. 2,867,472, 1-6-59, Cl. 296-35.
- Harper, William W., and J. W. Saylor, to Automotive Safety Associates. Safety belt buckle. 2,893,088, 7-7-59, Cl. 24-75.
- Harper-Wyman Co.: See—
- Brodbeck, Almer H. 2,912,837.
- Lamar, Charles C. 2,886,050.
- Lamar, Charles C. 2,909,217.
- Wilberg, Raymond F., and Silhavy. 2,892,349.
- Harpfer, Donald E., to The Goodyear Tire & Rubber Co. Hydraulic brake hose. 2,899,982, 8-18-59, Cl. 138-55.
- Harpham, John A., to Hercules Powder Co. Paper manufacture. 2,916,413, 12-8-59, Cl. 162-157.
- Harpole, Murray J.: See—
- Coon, Kenneth C., Harpole, and Van Krevelen. 2,893,236.
- Harr, Jesse. Mist coolant dispenser. 2,895,684, 7-21-59, Cl. 239-341.
- Harralson, George G., Jr., to Marvel Specialty Co. Automatic hosiery inspection and turning apparatus. 2,890,818, 6-16-59, Cl. 223-43.
- Harrell, Aubrey. Pilot controlled flush valves. 2,914,293, 11-24-59, Cl. 251-36.
- Harrell, Bob R., and G. A. Forester, to The Dow Chemical Co. Removal of impurities from caustic soda solutions. 2,887,364, 5-19-59, Cl. 23-184.
- Harrell, Rufus L. Minnow box. 2,884,736, 5-5-59, Cl. 43-56.
- Harrer, Paul H., to Allis-Chalmers Mfg. Co. Automatic belt clutch for conveyor drive. 2,868,113, 1-13-59, Cl. 100-5.
- Hartles, John H. O., to General Electric Co. Thermionic valves. 2,883,576, 4-21-59, Cl. 313-257.
- Hartles, William H., and H. E. Pickens. Continuous film feeder. 2,880,993, 1-7-59, Cl. 271-218.
- Harriman, Arthur J.: See—
- Seltzer, Edward, Harriman, and Henderson. 2,891,865.
- Harriman, Herbert A.: See—
- Wright, James H., Briggs, Billings, and Harriman. 2,903,645.
- Harrington, Allan L., and T. C. Hall, to Pacific Semiconductors, Inc. Method for forming passivation films on semiconductor bodies and articles resulting therefrom. 2,913,358, 11-17-59, Cl. 117-200.
- Harrington, Charles D., to United States of America, Atomic Energy Commission. Uranium solvent extraction process. 2,903,331, 9-8-59, Cl. 23-14.5.
- Harrington Co., The: See—
- Harrington, John A. 2,894,610.
- Harrington, Daniel B., to Bendix Aviation Corp. Electron multiplier. 2,889,461, 6-2-59, Cl. 250-41.9.
- Harrington, Daniel B., to Bendix Aviation Corp. Anode structure. 2,908,837, 10-13-59, Cl. 313-79.
- Harrington, Florian P. Ventilating panels. 2,870,700, 1-27-59, Cl. 98-96.
- Harrington, Gerald D.: See—
- Underwood, Harold B., and Harrington. 2,913,193.
- Underwood, Harold B., and Harrington. 2,919,077.
- Harrington, John A., to The Harrington Co. Chain hoist. 2,894,610, 7-14-59, Cl. 192-16.
- Harrington, Joseph, Jr., to United Shoe Machinery Corp. Article handling machines. 2,875,884, 3-3-59, Cl. 198-33.
- Harrington, Richard H.: See—
- Demer, Frederick M., and Harrington. 2,895,411.
- Malmros, Gustav V. A., and Harrington. 2,897,752.
- Harrington & Richardson, Inc.: See—
- Mulno, Lester F. 2,876,576.
- Harrington, Robert C., Jr.: See—
- Smith, James L., and Harrington. 2,891,962.
- Harrington, Robert D., G. E. Heveran, and P. D. Kolar, to Shurhit Products, Inc. Breaker point assembly. 2,896,035, 7-21-59, Cl. 200-30.
- Harrington, Robert L. Advertising sign for the interior of a vehicle. 2,876,566, 3-10-59, Cl. 40-10.
- Harrington, Susie. Expandable containers. 2,907,487, 10-6-59, Cl. 220-8.
- Harriott, Billie L., to Deere & Co. Flail-type manure spreader. 2,900,193, 8-18-59, Cl. 275-3.
- Harriott, Lloyd C.: See—
- Hodgers, Robert W., Harriott, and Ogle. 2,907,938.
- Harris, Aaron M.: See—
- Levine, Bernard, Harris, and Brod. 2,872,723.
- Harris, Aaron M., to United Aircraft Corp. Servosystem angular motion transmitting apparatus. 2,885,614, 5-5-59, Cl. 318-30.
- Harris, Albert F.: See—
- Patchin, Paul E., and Harris. 2,878,801.
- Harris, Arnold H. Planetarium novelty lamp. 2,878,591, 3-24-59, Cl. 35-45.
- Harris, Asa J. Combined sea anchor and boat stabilizer. 2,911,934, 11-10-59, Cl. 114-126.
- Harris, Ben A.: See—
- Blashfield, William H., Callender, and Harris. 2,905,764.
- Morris, Frank A., Clement, and Harris. 2,894,068.
- Harris, Ben A., to General Dynamics Corp. Discriminating circuit. 2,876,290, 3-3-59, Cl. 179-18.
- Harris, Ben A., to General Dynamics Corp. Playback system for toll ticketing. 2,886,643, 5-12-59, Cl. 179-7.1.
- Harris, Ben A., to General Dynamics Corp. Automatic toll ticketing system incorporating artificial supervision. 2,889,405, 6-2-59, Cl. 179-7.1.
- Harris, Ben A., to General Dynamics Corp. Station identifying circuit. 2,892,036, 6-23-59, Cl. 179-17.
- Harris, Ben A., to General Dynamics Corp. Magnetic core data storage and readout device. 2,895,124, 7-14-59, Cl. 340-174.
- Harris, Ben A., to General Dynamics Corp. Line finder and allotter system. 2,901,546, 8-25-59, Cl. 179-18.
- Harris, Ben A., to General Dynamics Corp. Busy marking means for automatic toll ticketing system. 2,916,551, 12-8-59, Cl. 179-8.
- Harris, Benjamin R. Frozen egg products. 2,902,372, 9-1-59, Cl. 99-196.
- Harris, Benjamin R. Egg products. 2,902,373, 9-1-59, Cl. 99-196.
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- Harris, Bernard, and A. Macovski, to Radio Corp. of America. Phase comparison system. 2,868,975, 1-13-59, Cl. 250-36.
- Harris, Carl H. Screw driver with a swiveled finger member. 2,884,972, 5-5-59, Cl. 145-76.
- Harris, Cecil C.: See—
- Bell, Persa R., and Harris. 2,880,262.
- Harris, Clare S., and C. J. Huffman, to The Dow Chemical Co. Extrusion die assembly with flow-correcting baffle plate. 2,894,625, 7-14-59, Cl. 207-17.
- Harris, Clare W., and L. M. Nelson, to North American Aviation, Inc. High pressure flexible hose. 2,867,242, 1-6-59, Cl. 138-56.
- Harris, Clarence J. Electrical test system. 2,908,846, 10-13-59, Cl. 315-230.
- Harris, Clinton H., and E. O. Zill, to Sylvania Electric Products Inc. Camera. 2,892,392, 6-30-59, Cl. 95-31.
- Harris, Clyde C.: See—
- Streed, William R. 2,917,090.
- Harris, Darrel M., to Monsanto Chemical Co. Modified carbon black product and process. 2,867,540, 1-6-59, Cl. 106-307.
- Harris, Donald A., to Hyster Co. Wide spread load clamp. 2,880,197, 5-12-59, Cl. 214-653.
- Harris, Dwight L., to American Chrome Co. Chemical up-grading of chromium bearing materials. 2,905,546, 9-22-59, Cl. 75-1.
- Harris, Edward C. Emergency warning sign. 2,881,662, 4-14-59, Cl. 88-79.
- Harris, Edward H., Jr.: See—
- Flachione, Edward M., and Harris. 2,869,970.
- Harris, Edward J.: See—
- Frohlich, Adolf, and Harris. 2,904,832.
- Frohlich, Adolf, and Harris. 2,913,765.
- Frohlich, Adolf H., and Harris. 2,873,802.
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- Frohlich, Adolf H., and Harris. 2,904,833.
- Frohlich, Adolf H., and Harris. 2,904,834.
- Frohlich, Adolf H., and Harris. 2,910,109.
- Harris, Edward J., to The Cleveland Trust Co. Servicing machine for pneumatic tire building machinery. 2,918,105, 12-22-59, Cl. 154-10.
- Harris, Edward P., and J. R. Wall, to General Motors Corp. Plural coated spongy sealing strip. 2,884,668, 5-5-59, Cl. 20-69.

- Harris, Edward P., and J. R. Wall, to General Motors Corp. Flexible tubing. 2,884,957, 5-5-59, Cl. 138-55.
- Harris, Edward P., to General Motors Corp. Safety rear vision mirror. 2,910,915, 11-3-59, Cl. 88-77.
- Harris, Floyd E., to The Dow Furnace Co. Heat treating furnace. 2,910,285, 10-27-59, Cl. 263-15.
- Harris, Frank L.: See—
- Wreford, John S., and Harris. 2,906,807.
- Harris, Frederic R., deceased; by M. S. Lobenthal, M. P. Bloch, and F. B. Downs, executors, to Frederic R. Harris, Inc. Piles for marine structures. 2,897,654, 8-4-59, Cl. 61-53.
- Harris, Frederic R., Inc.: See—
- Harris, Frederic R. 2,897,654.
- Harris, Garrett H. Electric steering and power control system for outboard motors. 2,877,733, 3-17-59, Cl. 115-18.
- Harris, Geoffrey T., and H. C. Child. Titanium base alloys. 2,893,864, 7-7-59, Cl. 75-175.5.
- Harris, Geoffrey T., and H. C. Child, to The Birmingham Small Arms Co. Ltd. Creep resistant chromium steel. 2,905,577, 9-22-59, Cl. 148-31.
- Harris, George N. Button contact. 2,892,178, 6-23-59, Cl. 339-221.
- Harris, George V., to Lindberg Engineering Co. Salt bath furnace. 2,888,506, 5-26-59, Cl. 13-26.
- Harris, Glenn M.: See—
- Harris, Ralph L., and G. M. 2,912,253.
- Harris, Guy H.: See—
- Taplin, William H., and Harris. 2,906,775.
- Harris, Harry M., to Deere Mfg. Co. Flail-type material unloader. 2,886,333, 5-12-59, Cl. 275-3.
- Harris, Herbert, Jr., E. B. Hammond, Jr., W. T. White, and K. M. Giulianelli, to Sperry Rand Corp. Flight control system. 2,873,074, 2-10-59, Cl. 244-14.
- Harris, Herbert, to The Babcock & Wilcox Co. Welding methods and apparatus. 2,912,550, 11-10-59, Cl. 219-9.5.
- Harris, Herbert W., to Racine Industrial Plant, Inc. Method of securing needle bearings in nylon gears. 2,906,005, 9-29-59, Cl. 29-149.5.
- Harris-Intertype Corp.: See—
- Gnandt, John A., and Kay. 2,869,681.
- Guilick, Kenneth H. 2,912,243.
- Johnson, Thomas H. 2,878,502.
- Johnson, Thomas H. 2,911,908.
- Johnson, Thomas H., Mueller, and Crittenden. 2,885,958.
- Lindemann, Robert E. 2,913,980.
- Mueller, Anthony J. 2,887,049.
- Mulcahy, Raymond W. 2,902,770.
- O'Brien, Richard C. 2,889,109.
- Royer, Arthur G., and Thompson. 2,874,636.
- Spiller, William R., and Johnson. 2,897,754.
- Tansel, Cecil L. 2,896,523.
- Harris, James R.: See—
- Blair, Royer R., and Harris. 2,887,542.
- Harris, James R., to Bell Telephone Laboratories, Inc. Binary counter. 2,906,894, 9-29-59, Cl. 307-88.5.
- Harris, James S., to Radio Corp. of America. Pulse comparison display system. 2,870,372, 1-20-59, Cl. 315-26.
- Harris, Jessie J. Combination automatic creeping light switch. 2,892,905, 6-30-59, Cl. 200-34.
- Harris, John F., Jr., to E. I. du Pont de Nemours and Co. Herbicidal composition and a method for killing undesired vegetation therewith. 2,884,317, 4-28-59, Cl. 71-2.6.
- Harris, John L. Control device. 2,917,933, 12-22-59, Cl. 74-125.
- Harris, John L. Control device. 2,917,939, 12-22-59, Cl. 74-435.
- Harris, John L. Control device. 2,917,988, 12-22-59, Cl. 99-327.
- Harris, Kenneth J., and C. H. Hess, to Deere & Co. Multifunction implement control system for agricultural tractor. 2,871,963, 2-3-59, Cl. 172-465.
- Harris, Kenneth J., and M. L. Miller, to Deere & Co. Tractor transmission-deluxe. 2,890,603, 6-16-59, Cl. 74-740.
- Harris, Lawrence: See—
- Brackmann, William J., Schlesinger, and Harris. 2,910,233.
- Harris, Leon S. Telephone attachment. 2,911,485, 11-3-59, Cl. 179-146.
- Harris, Lewis J., and J. J. Carroll. Water hammer relief device. 2,898,935, 8-11-59, Cl. 137-599.2.
- Harris, Lionel R. F., to Her Majesty's Postmaster General. Control units for switching systems. 2,876,284, 3-3-59, Cl. 179-15.
- Harris, Lionel R. F., to Her Majesty's Postmaster General. Time-division multiplex communication systems. 2,910,541, 10-27-59, Cl. 179-15.
- Harris, Lionel R. F., to Her Majesty's Postmaster General. Time division multiplex communication systems. 2,910,542, 10-27-59, Cl. 179-15.
- Harris, Louis H., to Sperry Rand Corp. Wire stripping machine. 2,880,635, 4-7-59, Cl. 81-9.51.
- Harris, Loyes C. Magnetic flush valve. 2,907,050, 10-6-59, Cl. 4-56.
- Harris, Manville S., and C. Clutz. Fitting. 2,907,587, 10-6-59, Cl. 284-17.
- Harris, Michael G., and S. J. Walker, to Morris Motors Ltd. Brazed light alloy heat exchanger and method of making same. 2,899,177, 8-11-59, Cl. 257-245.
- Harris, Michael J., and G. H. Townsend. Spark machining apparatus. 2,886,693, 5-12-59, Cl. 219-69.
- Harris, Milton, and A. E. Brown, to Harris Research Laboratories, Inc. Bleaching of keratinous fibrous material. 2,914,374, 11-24-59, Cl. 8-111.
- Harris, Norman, and M. Bryer, to Juno Machinery Ltd. Spirit duplicating machines. 2,903,963, 9-15-59, Cl. 101-132.5.
- Harris, Ralph F., to E. I. du Pont de Nemours and Co. Cellular polyurethane reaction product containing polysiloxane and method of preparing same. 2,901,445, 8-25-59, Cl. 260-2.5.
- Harris, Ralph L., and G. M. Automotive trailers. 2,912,253, 11-10-59, Cl. 280-106.
- Harris, Raymond C.: See—
- Straley, James M., and Harris. 2,882,176.
- Harris, Raymond G. Fishing rod holder. 2,905,413, 9-22-59, Cl. 248-42.
- Harris Research Laboratories, Inc.: See—
- Harris, Milton, and Brown. 2,914,374.
- Harris, Robert L.: See—
- Cosby, John N., Harris, and Rissmiller. 2,902,347.
- Cosby, John N., Harris, Spooner, and Tuttle. 2,909,532.
- Harris, Robert L., to Yuba Consolidated Industries, Inc. Cut-off regulating and steering system for steam vehicles. 2,887,171, 5-19-59, Cl. 180-6.48.
- Harris, Robert V., to Branson Instruments, Inc. Piezoelectric transducer. 2,875,354, 2-24-59, Cl. 310-8.2.
- Harris, Samuel. Dental flasks. 2,896,259, 7-28-59, Cl. 18-33.
- Harris, Samuel A. Warp beam and method of assembling. 2,880,944, 4-7-59, Cl. 242-118.62.
- Harris, Sterling G., to The Blue Channel Corp. Machine for recovering meat from animal carcasses. 2,895,162, 7-21-59, Cl. 17-1.
- Harris, Thomas R., to Malco Tool & Mfg. Co. Chain of combined terminal and support members for electrical elements. 2,871,551, 2-3-59, Cl. 29-193.5.
- Harris Transducer Corp., The: See—
- Harris, Wilbur T. 2,876,427.
- Harris, Wilbur T. 2,880,404.
- Harris, Wilbur T. 2,888,583.
- Harris, Wilbur T. 2,897,475.
- Harris, Wilbur T. 2,903,673.
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- Harris, Victoria P. Hand mixer for food. 2,906,510, 9-29-59, Cl. 259-144.
- Harris, Wilbur T., to The Harris Transducer Corp. Transducer. 2,876,427, 3-3-59, Cl. 340-11.
- Harris, Wilbur T., to The Harris Transducer Corp. Compact resonant sonar transducer. 2,880,404, 3-31-59, Cl. 340-11.
- Harris, Wilbur T., to The Harris Transducer Corp. Circuit element transducer. 2,888,583, 5-26-59, Cl. 310-26.
- Harris, Wilbur T., to The Harris Transducer Corp. Movable actuating coil transducer array. 2,897,475, 7-28-59, Cl. 340-9.
- Harris, Wilbur T., to The Harris Transducer Corp. Acoustical impedance-matching transducer. 2,903,673, 9-8-59, Cl. 340-8.
- Harris, Wilbur T., to The Harris Transducer Corp. Compensated transformer. 2,905,915, 9-22-59, Cl. 336-181.
- Harris, William C.: See—
- Anderson, John J., Harris, and Harrison. 2,887,273.
- Harris, William H., to Scovill Mfg. Co. Lipstick container. 2,872,034, 2-3-59, Cl. 206-56.
- Harris, William H. Mechanically operable cover and rack for trucks and similar vehicles. 2,901,286, 8-25-59, Cl. 296-100.
- Harrison, Benjamin M., and E. E. Mulkey, to The American Oil Co. Drip free distillation receiver. 2,898,762, 8-11-59, Cl. 73-426.
- Harrison, Bertram M., to Raytheon Mfg. Co. Signalling apparatus. 2,869,027, 1-13-59, Cl. 315-24.
- Harrison, Charles C.: See—
- Nieuwenhuis, Garrit J., and Harrison. 2,872,973.
- Nieuwenhuis, Garrit J., and Harrison. 2,873,026.
- Harrison, Charles H. Outboard motor tilt lock. 2,905,130, 9-22-59, Cl. 115-17.
- Harrison, Charles W., to Harrison Laboratories, Inc. Direct-voltage regulating circuit. 2,867,764, 1-6-59, Cl. 323-22.
- Harrison, Charles W. Regulated voltage supply. 2,915,693, 12-1-59, Cl. 323-9.
- Harrison, Clarence L. Clapboard support. 2,901,203, 8-25-59, Cl. 248-226.
- Harrison, Clarence L., and W. F. Sage, said Harrison assor. to said Sage. Shingle positioning gauge. 2,891,318, 6-23-59, Cl. 33-188.
- Harrison, Edward S.: See—
- Robinson, Melvin B., and Harrison. 2,880,018.
- Harrison, Ernest, Jr. Electromagnetic beam scanning and reflection. 2,886,811, 5-12-59, Cl. 343-11.
- Harrison, Floyd O., and H. Nelson. Advertising device. 2,917,852, 12-22-59, Cl. 40-106.22.
- Harrison, Frank M. Stapling and punching machine. 2,885,680, 5-12-59, Cl. 1-2.
- Harrison, Geoffrey B., and A. P. Jenkins, to Ilford Ltd. Photographic projection. 2,905,051, 9-22-59, Cl. 88-24.
- Harrison, Geoffrey L., to Dowty Equipment of Canada Ltd. Harrison, Homer S., to Allied Steel and Conveyors, Inc. Television tube settling conveyor. 2,868,352, 1-13-59, Cl. 198-137.
- Harrison, Harvey T.: See—
- Furman, Walter F., and Harrison. 2,892,703.



- Harrison, Henry: See—  
Harrison, Henry C. and Henry. 2,889,902.  
Harrison, Henry and Henry C., to Ingersoll-Rand Co. Paving breaker steel. 2,900,178, 8-18-59, Cl. 262-33.  
Harrison, Henry C.: See—  
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Harrison, Henry and Henry C. 2,900,178.  
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Harrison, Homer S., to Allied Steel and Conveyors, Inc. Trolley conveyor incorporating automatic load transfer. 2,868,354, 1-13-59, Cl. 198-177.  
Harrison, Homer S., to Allied Steel and Conveyors, Inc. Automatic tubeless tire bead seating and inflating machine. 2,900,015, 8-18-59, Cl. 157-1.1.  
Harrison, Homer S., to Allied Steel and Conveyors, Division of the Sparks-Withington Co. Conveyor mounted automatically adjusting universal tire mounting machine. 2,900,018, 8-18-59, Cl. 157-1.24.  
Harrison, Homer S., to Allied Steel and Conveyors, Inc. Automatic valve stem inserter. 2,900,709, 8-25-59, Cl. 29-211.  
Harrison, Homer S., to Allied Steel and Conveyors, Inc. Ingot stacking apparatus. 2,919,041, 12-29-59, Cl. 214-6.  
Harrison, Geoffrey L., to Dowty Equipment of Canada Ltd. Hydraulic pumps. 2,913,985, 11-24-59, Cl. 103-37.  
Harrison, George C., to Minnesota Mining and Mfg. Co. Underground fluid storage containers. 2,914,923, 12-1-59, Cl. 61-3.  
Harrison, James M., and A. E. Somers, to Gulf Research & Development Co. Separation of binary mixtures of isomers of organic compounds. 2,884,470, 4-28-59, Cl. 260-674.  
Harrison, James W.: See—  
Houdry, Eugene J., and Harrison. 2,889,288.  
Harrison, John: See—  
Page, George J., and Harrison. 2,879,180.  
Harrison, John R., to E. I. du Pont de Nemours and Co. Oxidation of 1,3 butadiene to furan. 2,900,396, 8-18-59, Cl. 260-346.1.  
Harrison, John W.: See—  
Carleton, Granville E., Harrison, Heltman, and Dantowitz. 2,894,521.  
Harrison, John W., and J. R. L. Middleton. Gas regulators for gas engines. 2,894,829, 7-14-59, Cl. 48-184.  
Harrison, Joseph W., and R. W. Asay, to Thermoid Co. Apparatus for making corrugated flexible rubber tubes. 2,903,744, 9-15-59, Cl. 18-19.  
Harrison Laboratories, Inc.: See—  
Harrison, Charles W. 2,867,764.  
Harrison, Lawrence F.: See—  
Gehring, Arthur J., Jr., Harrison, and Stowe. 2,915,967.  
Harrison, Lee, III. Mounting of playground appliance. 2,879,995, 3-31-59, Cl. 272-30.  
Harrison, Lester E. Automatic throttle control mechanisms for automotive vehicles. 2,916,946, 12-15-59, Cl. 74-513.  
Harrison, Marvin E.: See—  
Bourne, Marlan E., Harrison, Goepfinger, and Gaa. 2,870,302.  
Bourne, Marlan E., Harrison, and Hardison. 2,873,337.  
Bourne, Marlan E., Harrison, Gaa, and Barrett. 2,886,681.  
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Harrison, Marvin E., R. C. Tyson, and R. H. Mellor, to Bourne Laboratories, Inc. Variable resistor constructions. 2,877,325, 3-10-59, Cl. 201-48.  
Harrison, Maurice. Church collection bag. 2,870,811, 1-27-59, Cl. 150-1.  
Harrison, Milo A., and J. C. Kovarik, to Great Lakes Carbon Corp. Rotary seal valve. 2,888,175, 5-26-59, Cl. 222-368.  
Harrison, Norman A.: See—  
L'Hommiedieu, Paige D., and Harrison. 2,918,065.  
Harrison, Peter F.: See—  
Gaspar, Emeric, Munns, and Harrison. 2,880,461.  
Gaspar, Emeric, Munns, and Harrison. 2,894,286.  
Harrison, Richard L., to Sylvania Electric Products, Inc. Improved travelling wave tube amplifier. 2,919,374, 12-29-59, Cl. 315-3.5.  
Harrison, Richard L., and L. McKee, to Sylvania Electric Products, Inc. Microwave transition elements. 2,869,082, 1-13-59, Cl. 333-21.  
Harrison, Robert D.: See—  
Frazier, Raymond L., and Harrison. 2,892,769.  
Harrison, Schuyler G. Plural-parts molded shoe structures. 2,912,771, 11-17-59, Cl. 36-2.5.  
Harrison, Schuyler G. Shoe structure having molded basic units. 2,912,772, 11-17-59, Cl. 36-2.5.  
Harrison-Simpson Co.: See—  
Fitzpatrick, William H. 2,872,981.  
Harrison, Stuart A., to General Mills, Inc. Epoxy resins including dimidazoline curing agents. 2,878,233, 3-17-59, Cl. 260-47.  
Harrison, Thomas S.: See—  
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Harrison, Thomas R., to Minneapolis-Honeywell Regulator Co. Air-pressure-operated proportional band adjustment. 2,915,079, 12-1-59, Cl. 137-86.  
Harrison, Walter D.: See—  
Dyer, John B., and Harrison. 2,880,621.  
Harrison, Wayne E.: See—  
Atchley, Raymond D., and Harrison. 2,873,429.  
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Sigler, Howard R., Myers, and Harrison. 2,872,727.  
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Harrison, Joseph W. E.: See—  
Scanlan, James J., and Harrison. 2,894,876.  
Harrop, Clifford B., to International Harvester Co. Cultivator clamp. 2,869,657, 1-20-59, Cl. 172-710.  
Harruff, Robert B., to General Motors Corp. Induction coil. 2,904,763, 9-15-59, Cl. 336-182.  
Harry, Gordon W., to General Motors Corp. Oscillatable diaphragm pumps. 2,873,686, 2-17-59, Cl. 103-150.  
Harry, Gordon W., to General Motors Corp. Air suspension system with automatic low pressure circuit cutoff. 2,912,254, 11-10-59, Cl. 280-124.  
Harry, Robert J.: See—  
Frownfelter, Charles R., Harry, Hassard, and Shearer. 2,912,716.  
Harry, William R., to Bell Telephone Laboratories, Inc. Object locating systems. 2,867,788, 1-6-59, Cl. 340-6.  
Harry, William R., to McGraw-Edison Co. Method and apparatus for the manufacture of ceramic ware. 2,898,658, 8-11-59, Cl. 25-22.  
Harry, William R., to McGraw-Edison Co. Circuit interrupter. 2,904,856, 9-15-59, Cl. 200-89.  
Harry, William R., to McGraw-Edison Co. Apparatus for forming plastic clay bodies. 2,915,801, 12-8-59, Cl. 26-27.  
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Heckett, Eric H. 2,887,225.  
Harshaw Chemical Co., The: See—  
Armstrong, Leonard J., and Mudrak. 2,875,083.  
Canarios, Chrysosthenis M. 2,868,745.  
Duro, George D. 2,875,081.  
Ford, Harry E., and Shenk. 2,891,979.  
Giordano, Anthony, and Straka. 2,881,097.  
Morris, William C., and Tesar. 2,875,085.  
Teller, Aaron J. 2,867,425.  
West, Charles P. 2,901,452.  
Weyl, Woldemar A. 2,875,086.  
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Harshbarger, Norman P. Method of forming reinforced pulp sheets. 2,913,363, 11-17-59, Cl. 162-105.  
Harshbarger, Russell P. Drive mechanism for power driven tool. 2,892,353, 6-30-59, Cl. 74-61.  
Harshman, Daniel L., to Curtiss-Wright Corp. Automatic buzz control. 2,880,579, 4-7-59, Cl. 60-39.28.  
Harshman, Richard C., to Olin Mathieson Chemical Corp. Antiskinning compositions containing unsymmetrical dimethylhydrazine. 2,872,426, 2-3-59, Cl. 260-19.  
Harshman, Richard C., and B. M. Nicolaisen, to Olin Mathieson Chemical Corp. Extraction process utilizing modified alkyl hydrazine solvent. 2,914,472, 11-24-59, Cl. 208-330.  
Hart, Arthur A. Apparatus for producing concrete stair steps. 2,869,212, 1-20-59, Cl. 25-118.  
Hart, Andrew P. Portable road and turn-around. 2,912,909, 11-17-59, Cl. 94-11.  
Hart, Charles W. Seat device. 2,888,976, 6-2-59, Cl. 155-88.  
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Waalkes, Robert J., and Kletzmann. 2,902,919.  
Hart, Donald P., to Pittsburgh Plate Glass Co. Interpolymer of epoxy resin, polyamide resin and polysulfide resin. 2,919,255, 12-29-59, Cl. 260-23.  
Hart, Edgar L., Jr., B. R. Whaley, and R. W. Turnage, to Sonoco Products Co. Paper tube for forming concrete columns and the like having an overlapped inner ply with a coating material thereon. 2,914,833, 12-1-59, Cl. 25-118.  
Hart, Eugene J. Longitudinally adjustable telescopic brace. 2,907,598, 10-6-59, Cl. 287-58.  
Hart, Frank M., to Gates and Sons, Inc. Wire-cutting tool. 2,912,756, 11-17-59, Cl. 30-168.  
Hart, Frank W., to Hudson Engineering Corp. Securing apparatus. 2,875,867, 3-3-59, Cl. 189-35.  
Hart, Fred V., and E. S. Kant, to United Shoe Machinery Corp. Leveling machines. 2,879,526, 3-31-59, Cl. 12-34.5.  
Hart, Gene E., and H. F. Metcalf, to Carolina Knitting Machine Corp. Circular multi-feed hosiery knitting machine and method of knitting. Re. 2,816, 3-10-59, Cl. 66-42.  
Hart, George H., to The Hart Mfg. Co. Fastener for retaining casings in panels. 2,889,125, 6-2-59, Cl. 248-27.  
Hart, Harold P. Dual front axle suspension means and steering mechanism therefor. 2,901,264, 8-25-59, Cl. 280-91.  
Hart, Irwin M. Time-controlled activated vehicular speed limit signal. 2,902,672, 9-1-59, Cl. 340-74.  
Hart, Jack, to Radio Corp. of America. Grid and filament damper bar assembly. 2,880,352, 3-31-59, Cl. 313-279.  
Hart Mfg. Co., The: See—  
Bengtsson, Bartil S. 2,907,848.  
Hart, George H. 2,889,125.  
Hart, Oliver M. Improved welding unit. 2,871,440, 1-27-59, Cl. 323-74.  
Hart, Oliver M. Reciprocating switches. 2,883,495, 4-21-59, Cl. 200-163.

- Hart, Peter McB., and A. C. Hollerbach, to General Motors Corp. Pivoted arm rest assembly for vehicle body. 2,897,000, 7-28-59, Cl. 296-44.  
Hart, Porter, and H. C. Behrens, to The Dow Chemical Co. Determination of conductivity of liquids. 2,895,102, 7-14-59, Cl. 324-30.  
Hart, Robert T., to S. D. Warren Co. Process for finishing coated paper. 2,919,205, 12-29-59, Cl. 117-64.  
Hart, Robert W. High frequency integrating signal detector. 2,872,577, 2-3-59, Cl. 250-31.  
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Hartek, Paul, and S. Dondes, to United States of America, Atomic Energy Commission. Method of fixing nitrogen for producing oxides of nitrogen. 2,898,277, 8-4-59, Cl. 204-154.  
Hartel, Erwin H., to Cleveland Pneumatic Industries, Inc. Self charging air-oil shock absorber. 2,892,625, 6-30-59, Cl. 267-64.  
Hartenstine, Charles R. Truck front wheel steering and suspension arrangement. 2,918,302, 12-22-59, Cl. 280-97.  
Hartenstein, Raymond G., to Westinghouse Electric Corp. Vibration and shock isolation mount. 2,917,264, 12-15-59, Cl. 248-358.  
Hartenstein, Raymond G., and J. J. Kerley, Jr., to Westinghouse Electric Corp. Vibration isolating mounts. 2,873,109, 2-10-59, Cl. 267-1.  
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Harter, Clair M., to C. I. Hull. Venetian blind stabilizer. 2,871,934, 2-3-59, Cl. 160-173.  
Harter, Donald G., to American Motors Corp. Refrigerating apparatus. 2,883,100, 4-21-59, Cl. 230-187.  
Harter, Isaac, Jr., T. W. Ratcliffe, and W. G. Wilson, to The Babcock & Wilcox Co. Continuous casting mold. 2,867,018, 1-6-59, Cl. 22-57.2.  
Harter, James R. Photographic reproduction method and apparatus. 2,871,287, 1-27-59, Cl. 178-6.7.  
Harter, Leslie H. Skewer for bolting cloth. 2,910,176, 10-27-59, Cl. 206-50.  
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Harter, William R.: See—  
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Harter, William R., to Avco Mfg. Corp. Stable oscillator. 2,908,869, 10-13-59, Cl. 331-72.  
Hartwig, Heinrich, A. Steding, and P. Eidel, to Didier-Kogag-Hinselmann, Koksofenbau und Gasverwertung, A. G. Apparatus for the regenerative charging of regenerators. 2,872,385, 2-3-59, Cl. 202-141.  
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Hartig, Rufus G., and J. R. Archer, to International Minerals & Chemical Corp. Method of recovering chemical mists from gases. 2,901,061, 8-25-59, Cl. 183-115.  
Harting, Glen R., to Borg-Warner Corp. Electromagnetic clutch or brake. 2,914,156, 11-24-59, Cl. 192-84.  
Hartke, Dexter C., to Hewlett-Packard Co. Pulsed crystal oscillator and method. 2,881,317, 4-7-59, Cl. 250-36.  
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Hartley, Emmett C., to Parker-Hannifin Corp. Method of and apparatus for molding rubber and rubber-like articles. 2,883,705, 4-28-59, Cl. 18-17.  
Hartley, Fred L., and T. V. Inwood, to Union Oil Co. of California. Process for hydrodesulfurizing hydrocarbons employing an impure hydrogen stream. 2,883,337, 4-21-59, Cl. 208-216.  
Hartley, George C.: See—  
Bray, Frederick H., King, and Hartley. 2,913,530.  
Hartley, Gilbert S., to Fisons Pest Control Ltd. Apparatus for the separation of solutes by partition. 2,895,808, 7-21-59, Cl. 23-267.  
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Hartley, Gilbert S., and P. O. Park, to Fisons Pest Control Ltd. Fungicidal preparations. 2,907,691, 10-6-59, Cl. 167-42.  
Hartley, Henry J., and C. S. Rankin, to Pacific Foundry Co., Ltd. Sulphur recovery. 2,877,100, 3-10-59, Cl. 23-294.  
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Hartman, Clinton W., A. M. Drilly, and W. A. Barden, to Chicago Telephone Supply Corp. Variable resistor. 2,916,717, 12-8-59, Cl. 338-154.  
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Woodward, Stephen G., and Hartman. 2,883,976.  
Hartman, Edward J., and J. N. Janes, to Childers Mfg. Co. Free-standing roof structures. 2,873,698, 2-17-59, Cl. 168-1.  
Hartman, Elmer C., to Hartman Metal Fabricators, Inc. Loading dock. 2,904,802, 9-22-59, Cl. 14-71.  
Hartman, Frank M., Sr. Dozer attachment for tractors. 2,874,492, 2-24-59, Cl. 37-144.  
Hartman, Fred G., Jr. Flush tank valves. 2,883,675, 4-28-59, Cl. 4-57.  
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Hartman, Paul F.: See—  
Beckvold, Oscar E., Jr., and Hartman. 2,872,497.  
Hartman, Paul C., to G. B. Lewis Co. Container having an integral card holding structure. 2,908,985, 10-20-59, Cl. 40-2.  
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Hartmann, Albert E. Cleaning implements. 2,870,472, 1-27-59, Cl. 15-209.  
Hartmann, Alfons: See—  
Von Linde, Robert A., Baler, and Hartmann. 2,896,701.  
Hartmann & Braun Aktiengesellschaft: See—  
Endlich, Friedrich. 2,901,702.  
Keller, Alexander. 2,900,585.  
Hartmann, Carl E.: See—  
Thompson, Ivan P., Allmang, Hartmann, Winter, and Blackburn. 2,873,224.  
Hartmann, Frederick C.: See—  
Johnson, Julius G., and Hartmann. 2,883,747.  
Hartmann, Gilbert L., to Milwaukee Faucets, Inc. Rotary pump assembly. 2,884,863, 5-5-59, Cl. 103-103.  
Hartmann, Hans, to Aktiengesellschaft Brown, Boveri & Cie. High current transformer. 2,901,713, 8-25-59, Cl. 336-82.  
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Hartmann, Philip. 2,915,980.  
Hartmann, Philip, and Brand. 2,905,095.  
Hartmann, Philip, to Hartmann Mfg. Co. Fluid pump or motor. 2,869,472, 1-20-59, Cl. 103-123.  
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Schlimer, Robert, Voit, Hartmann, Konig, Thumult, and Ziemer. 2,910,423.  
Hartmann, Waldemar. Method of aggregating carbonaceous material. 2,907,645, 10-6-59, Cl. 44-16.  
Hartmann, Werner. Spherical ball valve. 2,885,179, 5-5-59, Cl. 251-315.  
Hartmann, William A., Jr., to Bendix Aviation Corp. Motor control system. 2,867,761, 1-6-59, Cl. 318-230.  
Hartridge, Virginia M. Disappearing and slidable step-chair for kitchen cabinets and the like. 2,881,040, 4-7-59, Cl. 312-235.



- Hartsfield, William L. Microphones. 2,910,539, 10-27-59, Cl. 179-111.
- Hartshorn, Earl D., deceased; J. Hartshorn, administrator of said E. D. Hartshorn. Flask charging device. 2,889,652, 6-9-59, Cl. 42-1.
- Hartshorn, Jim. See—
- Hartshorn, Earle D. 2,889,652.
- Hartung, George A.: See—
- Austin, Charles G., and Hartung. 2,908,503.
- Hartung, Raymond E. Method of pressing or stamping articles. 2,886,886, 5-19-59, Cl. 29-553.
- Hartung, Robert L., to B & H Instrument Co., Inc. Frequency responsive device. 2,902,647, 9-1-59, Cl. 324-78.
- Hartung, Robert L., to B & H Instrument Co., Inc. Adjustable resistance devices. 2,919,400, 12-29-59, Cl. 324-63.
- Hartup, Robert P.: See—
- Lundy, Alvin S., Hartup, and Panzica. 2,886,298.
- Hartwell Aviation Supply Co.: See—
- Henrichs, Bernard W. 2,874,986.
- Henrichs, Bernard W. 2,896,751.
- Henrichs, Bernard W. 2,904,141.
- Hogan, John E. 2,894,777.
- Hartwell, Clark: See—
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- Hartwell, George E., and J. V. Mertes, to Pittsburgh Plate Glass Co. Rotary brush sections. 2,885,706, 5-12-59, Cl. 15-179.
- Hartwell, Ralf L., to Metal Textile Corp. Vibration and shock absorptive cushion element. 2,869,858, 1-20-59, Cl. 267-1.
- Hartwig, Albert F., to McDonnell Aircraft Corp. Controllable apparatus for radius cutters. 2,869,431, 1-20-59, Cl. 90-19.
- Hartwig, Arthur H.: See—
- Rothfuchs, Oscar E., and Hartwig. 2,906,012.
- Hartwig, Edward C.: See—
- Large, William E., and Hartwig. 2,883,583.
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- Hartwig, Edward C., R. W. Kuenning, and R. C. Acker, to United States of America, Atomic Energy Commission. Ultra-stabilized D. C. amplifier. 2,874,235, 2-17-59, Cl. 179-171.
- Hartwig, Frederick J., to The Babcock & Wilcox Co. Segmented casing for kaolin melting furnace. 2,874,201, 2-17-59, Cl. 13-23.
- Hartwig Inc.: See—
- Goff, Anthony B. 2,889,184.
- Hartwig, Karl: See—
- Erbe, Otto A. K., Hartwig, and Rakebrandt. 2,869,373.
- Hartwig, Walter J., to Allis-Chalmers Mfg. Co. Vibrating grinding mill having a means for preventing grinding media tracking and excessive mill wear. 2,911,160, 11-3-59, Cl. 241-175.
- Harty, Hershel A., J. N. Dallman, and V. G. Brunton, to United States Borax & Chemical Corp. Apparatus for removing adhering material from belt conveyors. 2,878,926, 3-24-59, Cl. 198-230.
- Harty, R. V. Co., Inc.: See—
- Harty, Ralph V. 2,872,183.
- Harty, Ralph V. 2,889,565.
- Harty, Ralph V. 2,903,854.
- Harty, Ralph V. 2,916,762.
- Harty, Ralph V., to R. V. Harty Co., Inc. Driving mechanisms. 2,872,183, 2-3-59, Cl. 268-53.
- Harty, Ralph V., to R. V. Harty Co., Inc. Lift bridge. 2,889,565, 6-9-59, Cl. 14-42.
- Harty, Ralph V., to R. V. Harty Co., Inc. Door controlling system. 2,903,854, 9-15-59, Cl. 60-54.5.
- Harty, Ralph V., to R. V. Harty Co., Inc. Door check. 2,916,762, 12-15-59, Cl. 16-55.
- Hartz, Harry J., to Minneapolis-Honeywell Regulator Co. Control apparatus with electro-magnetic rate and reset. 2,896,655, 7-28-59, Cl. 137-86.
- Hartz, Helmut: See—
- Happ, Hermann, and Hartz. 2,910,843.
- Hartz, William W., to Daystrom Inc. Printed circuit assembly. 2,896,033, 7-21-59, Cl. 200-11.
- Hartzband, Harry M., to Esso Research and Engineering Co. Motor fuel composition containing silica gel-extracted bright stock. 2,904,493, 9-15-59, Cl. 208-17.
- Hartzell, Blanche D.: See—
- Donehower, William P. 2,866,990.
- Hartzell, Herman L., D. C. Redick, and C. L. Julian, to General Motors Corp. Distributor structure. 2,872,537, 2-3-59, Cl. 200-31.
- Hartzell, Maurice H.: See—
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- Harvard Mfg. Co.: See—
- Roche, Melvin E. 2,883,680.
- Roche, Melvin E., and Jackson. 2,911,656.
- Sands, Hillard J. 2,882,535.
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- Sands, Hillard J. 2,900,647.
- Harvel Research Corp.: See—
- Grasso, Flavio J., and Dow. 2,885,376.
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- Harvey, Mortimer T., and Rosamilla. 2,917,488.
- Harvestaire, Inc.: See—
- Rogers, Robert E. 2,913,110.
- Rogers, Robert E. 2,913,111.
- Harvester Plow Co., Inc.: See—
- Hayse, Paul F. 2,905,254.
- Harvey, Albert J. Jogger. 2,890,885, 6-16-59, Cl. 271-89.
- Harvey, Albert L., and E. E. Mowing machine shoe. 2,910,820, 11-3-59, Cl. 56-314.
- Harvey, Bernard A.: See—
- Peterson, Eric O., and Harvey. 2,878,841.
- Harvey, Bernhard C. Jr.: See—
- Cholvin, Robert L., Harvey, and Jensen. 2,909,323.
- Harvey, Clarence W. Rod and reel case. 2,902,790, 9-8-59, Cl. 43-26.
- Harvey, Douglass C.: See—
- Nerwin, Hubert, and Harvey. 2,869,748.
- Harvey, Earle M., to United States of America, Army. Gas-operated actuating system for firearms. 2,870,685, 1-27-59, Cl. 89-191.
- Harvey, Earle M., to United States of America, Army. Combination stabilizer, recoil break, flash hider, and grenade launcher for a firearm. 2,883,781, 4-28-59, Cl. 42-1.
- Harvey, Earle M., to United States of America, Army. Obturating means for a firearm. 2,889,748, 6-9-59, Cl. 89-26.
- Harvey, Edgar E.: See—
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- Harvey, Edmund N., Jr., to Kee Lox Mfg. Co. Copying paper and method of manufacture. 2,893,890, 7-7-59, Cl. 117-36.
- Harvey, Frank G., to Canadian Lift Truck Co. Ltd. Overload warning device for fork lift trucks. 2,868,919, 1-13-59, Cl. 200-85.
- Harvey, Gilbert N., to The Sperry Gyroscope Co. Ltd. System for correction of magnetic compasses. 2,900,736, 8-25-59, Cl. 33-224.
- Harvey, Herbert A.: See—
- McLaughlin, George H., and Harvey. 2,919,396.
- Harvey, Herbert, and S. A. Stam, to United States of America, Army. Light weight T-20 shoulder stock for 3.5 inch rocket launcher. 2,913,960, 11-24-59, Cl. 89-1.7.
- Harvey, Homer M. Apparatus for making electrode sticks. 2,894,282, 7-14-59, Cl. 18-16.
- Harvey, Horace A., to I-T-E Circuit Breaker Co. Electric control circuit. 2,884,570, 4-28-59, Cl. 317-60.
- Harvey, Ione A. Educational device for use in teaching arithmetic. 2,892,267, 6-30-59, Cl. 35-31.
- Harvey, Jack B.: See—
- Adams, Robert T., and Harvey. 2,894,233.
- Adams, Robert T., and Harvey. 2,916,618.
- Harvey, John F., to The Babcock & Wilcox Co. Pressure vessel flange with anti-rotation rings. 2,919,048, 12-29-59, Cl. 220-39.
- Harvey, Joseph S., Jr., to Sylvania Electric Products Inc. Electron tube. 2,912,794, 11-17-59, Cl. 49-92.5.
- Harvey Machine Co., Inc.: See—
- Bagdanovich, Michael P., and Wilson. 2,887,055.
- Loewenstein, Hirsch. 2,867,525.
- Harvey, Maurice S.: See—
- Kelr, Alexander J., and Harvey. 2,911,224.
- Harvey, Mortimer T., and E. Breznak, to Harvel Research Corp. Compositions comprising a rubber and a halogenated reaction product of furfural and butadiene. 2,872,431, 2-3-59, Cl. 260-45.5.
- Harvey, Mortimer T., and P. L. Rosamilla, to Harvel Research Corp. Vacuum dehydration of the residue from the furfural extraction of butadiene. 2,917,488, 12-15-59, Cl. 260-67.
- Harvey, Robert P.: See—
- Smith, Brenner E., and Harvey. 2,905,423.
- Harvey, Sid, Inc.: See—
- Harvey, Sidney W. 2,903,662.
- Harvey, Sidney W., to Sid Harvey, Inc. Transformer box for universal application as replacement equipment. 2,903,662, 9-8-59, Cl. 336-96.
- Harvey, Stefan J. Shock absorber. 2,868,537, 1-13-59, Cl. 267-64.
- Harvey, Thabus R.: See—
- Gulley, Ronald A., Harvey, and Schreiber. 2,868,130.
- Harvey, Valentine P., and F. Parry, to Molins Machine Co., Ltd. Fuse setter combined with loading mechanism. 2,887,011, 5-19-59, Cl. 89-6.5.
- Harvey, Wildon T., and S. W. Ferris, to Sun Oil Co. Wax compositions. 2,906,443, 9-29-59, Cl. 229-3.1.
- Harvey, William H., to United Products Corp. Luggage construction. 2,903,105, 9-8-59, Cl. 190-54.
- Harwood, Edgar H., to R. J. Reynolds Tobacco Co. Cigarette paper. 2,886,041, 5-12-59, Cl. 131-15.
- Harwood, Floyd E., to Parsons Corp. Solenoid construction. 2,904,729, 9-15-59, Cl. 317-191.
- Harwood, Gordon M.: See—
- Berry, Raymond T., and Harwood. 2,868,332.
- Harwood, James, to Armour and Co. Growth promotant substances. 2,881,074, 4-7-59, Cl. 99-2.
- Harwood, James, R. G. Brault, and R. A. Reck, to Armour and Co. Water insoluble plant hormone carboxylic acid salts of higher alkyl amines. 2,900,411, 8-18-59, Cl. 260-501.
- Harwood, James, R. A. Reck, and W. W. Abramitis, to Armour and Co. Fungicidal compositions. 2,902,401, 9-1-59, Cl. 167-22.

- Harwood, Kenneth J.: See—
- Hirsch, Harlan W., Rowe, and Harwood. 2,902,395.
- Harwood, Kenneth J., to Kimberly-Clark Corp. Sanitary napkin. 2,896,627, 7-28-59, Cl. 128-290.
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- Harwood, Kenneth J., to Kimberly-Clark Corp. Cellulosic product. 2,900,980, 8-25-59, Cl. 128-290.
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- Harwood, Oliver P., to Douglas Aircraft Co., Inc. Diaphragm valve. 2,875,976, 3-3-59, Cl. 251-321.
- Harwood, Robert G.: See—
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- Harwood, Robert H., Z. D. Reynolds, and E. G. Hedger, to United States of America, Navy. Sonar signal simulator. 2,881,535, 4-14-59, Cl. 35-10.4.
- Harwood, Stanley G.: See—
- Kearney, Robert W. 2,907,340.
- Harwood, William J.: See—
- Scarrott, Gordon G., Harwood, and Johnson. 2,883,534.
- Harz, Hermann: See—
- Gartner, Günter, Schwab, and Harz. 2,900,540.
- Hasbrook, Arthur F., to O. S. Petty. Radiolocation method and apparatus. 2,913,719, 11-17-59, Cl. 343-103.
- Hasbrouck, Harold J.: See—
- Farrand, Clair L., and Hasbrouck. 2,907,246.
- Hasbrouck, Harold J., Jr. Clamp for securing end of tape or film to a reel. 2,891,737, 6-23-59, Cl. 242-74.2.
- Hasche, Blanche K.: See—
- Hasche, Rudolph L. 2,909,904.
- Hasche, Rudolph L., deceased; B. K. Hasche, executrix, to Carbonic Development Corp. Treatment of natural gas in distribution systems. 2,909,904, 10-27-59, Cl. 62-23.
- Haschek, Leo. Map assembly including location director. 2,891,314, 6-23-59, Cl. 33-1.
- Haschke, Fred. Plastic webbing for steamer deck chairs. 2,871,926, 2-3-59, Cl. 155-187.
- Hasek, Robert H.: See—
- Elam, Edward U., and Hasek. 2,875,252.
- Hasek, Robert H., and J. E. Hardwicke, to Eastman Kodak Co. Divinyl-1,4-dioxanes and cross-linked polymers thereof. 2,912,439, 11-10-59, Cl. 260-340.6.
- Hasek, Robert H., and M. B. Knowles, to Eastman Kodak Co. Preparation of trans-1,4-cyclohexanedimethanol. 2,917,440, 12-15-59, Cl. 260-617.
- Haselden, Alfred J.: See—
- Young, Franklin A., and Haselden. 2,896,270.
- Haselden, Geoffrey G. Fractionating apparatus. 2,885,195, 5-5-59, Cl. 261-112.
- Hasell, Henry P.: See—
- Summers, William J., and Hasell. 2,882,214.
- Hasell, Henry P., H. S. Fox, and E. Zilahi, to Westinghouse Electric Corp. Automatic mount making machine for projector lamps and lead wire detector and bead feeding device therefor. 2,876,589, 3-10-59, Cl. 49-2.
- Hasell, Henry P., H. S. Fox, and E. Zilahi, to Westinghouse Electric Corp. Automatic mount making machine for projector lamps. 2,876,590, 3-10-59, Cl. 49-2.
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- Haselton, Morton L.: See—
- Cornwell, John W., Haselton, and Schmidt. 2,883,106.
- Haseman, Joseph F., to International Minerals & Chemical Corp. Phosphate mineral beneficiation process. 2,914,174, 11-24-59, Cl. 209-166.
- Haser, Donald G.: See—
- Knighton, Daniel J., Haser, and Fiedler. 2,874,921.
- Hashimoto, Edward Y. Jalousie window having gang connector plates. 2,892,221, 6-30-59, Cl. 20-62.
- Haske, John R.: See—
- Blake, James C., Dedy, and Haske. 2,910,077.
- Haskel Engineering Associates: See—
- Driskel, Don W., and Hayman. 2,887,991.
- Hill, David C. 2,903,310.
- Haskotte Mfg. Corp.: See—
- Kloote, George E., Meier, and Potchen. 2,896,271.
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- Meier, George D., Kloote, and Potchen. 2,898,258.
- Potchen, Joseph A. 2,887,740.
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- Potchen, Joseph A., and Kloote. 2,893,075.
- Potchen, Joseph A., Kloote, and Meier. 2,875,117.
- Haskell, Edward C., and H. Burrell, to Interchemical Corp. Coatings for food containers. 2,885,293, 5-5-59, Cl. 99-187.
- Haskell Mfg. Co., Inc.: See—
- Jarvi, Carl W. 2,882,112.
- Haskell, Philip R.: See—
- Crittendon, Lexie R., Hallston, Haskell, Kelly, and Leck. 2,891,341.
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- Haskell, Theodore H.: See—
- Frohardt, Roger P., Haskell, Ehrlich, and Knudsen. 2,916,485.
- Haskett, Herbert L. Controller for water systems. 2,899,900, 8-18-59, Cl. 103-6.
- Haskey, Richard R.: See—
- Mazur, Nicholas, and Haskey. 2,916,297.
- Haskin, Lawrence H., Jr., to Champlain Co., Inc. Stamp printing apparatus. 2,912,926, 11-17-59, Cl. 101-76.
- Haskins, Fred J.: See—
- Jones, Augustus, and Haskins. 2,886,420.
- Haskins, Lewis S., to Hardfield Corp. Containers of capsule like form. 2,899,097, 8-11-59, Cl. 220-4.
- Haskins, Reginald H., and J. F. T. Spencer, to National Research Council. Production of lysine arginine and glutamic acids. 2,902,409, 9-1-59, Cl. 195-36.
- Haslam, John H., to E. I. du Pont de Nemours and Co. Production of titanium esters. 2,880,221, 3-31-59, Cl. 260-429.5.
- Haslam, John H., to E. I. du Pont de Nemours and Co. Fungicide. 2,913,369, 11-17-59, Cl. 167-30.
- Haslam, Robert, and S. H. Davidson, to Imperial Chemical Industries Ltd. Reutilisable blasting assemblies. 2,871,786, 2-3-59, Cl. 102-25.
- Haslam-Jones, Frank H., to John Jardine, Ltd. Jacquard machines. 2,896,497, 7-28-59, Cl. 87-14.
- Hasleau, William S. Non-choking plow roller. 2,871,955, 2-3-59, Cl. 172-63.
- Hasler, Arthur D., and W. J. Wisby, to United States of America, Navy. Method of repelling fish comprising treating with potassium phenyl acetate. 2,880,133, 3-31-59, Cl. 167-46.
- Hasler, Maurice F., to Applied Research Laboratories, Inc. Spectroscopy. 2,897,371, 7-28-59, Cl. 250-83.3.
- Haslett, Elmer. Method of making artificial flowers. 2,908,095, 10-13-59, Cl. 41-13.
- Hasley, Andrew D., to Bell Telephone Laboratories Inc. Hard tube modulator pulse transformer. 2,903,583, 9-8-59, Cl. 250-27.
- Hass, David P., to Chrysler Corp. Constant ratio clutch lever system. 2,880,835, 4-7-59, Cl. 192-99.
- Hass, Edward C. Photo-electric sighting device. 2,882,520, 4-14-59, Cl. 340-190.
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- Feigley, David A., Jr., and Hassel. 2,905,583.
- Hassel, Lloyd V., to Armstrong Cork Co. Method of fabricating unbaked surface coverings. 2,913,773, 11-24-59, Cl. 18-59.2.
- Hasselbaum, Oscar H., to Joseph Pollak Corp. Rotary switch assembly with a signal lamp. 2,902,646, 9-1-59, Cl. 324-73.
- Hasselbohm, Sune S., to Telefonaktiebolaget L M Ericsson. Method for fastening a connection terminal in an insulating block. 2,869,106, 1-13-59, Cl. 339-198.
- Hasselman, Herbert P., and C. B. Marshall, to Sylvania Electric Products Inc. Tilting grid loader. 2,885,059, 5-5-59, Cl. 198-26.
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- Hasser, George L.: See—
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- Horwitz, Henry L., and Hasser. 2,871,300.
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- Hassett, Frederick W., to American Window Glass Co. Laminated product and manufacture thereof. 2,887,806, 5-26-59, Cl. 41-21.
- Hassett, Thomas G. Interlocking building assembly. 2,869,692, 1-20-59, Cl. 189-34.
- Hassler, Gerald L., W. Warren, and J. S. Egan, to Burton Mfg. Co. Apparatus for measuring and controlling the composition of vapor. 2,909,058, 10-20-59, Cl. 73-17.
- Hassler, John W., O. A. Westley, and J. G. Filicky, to West Virginia Pulp and Paper Co. Manufacture of active carbon from anthracite coal. 2,894,914, 7-14-59, Cl. 252-445.
- Hassler, Winfield S., to Morton Salt Co. Dispensing apparatus. 2,891,703, 6-23-59, Cl. 222-480.
- Hassloch, Hugo O., Jr. Floral vase attaching device. 2,879,968, 3-31-59, Cl. 248-318.
- Hast, Nils B. Ascertaining stresses and deformations in solid loaded materials. 2,898,761, 8-11-59, Cl. 73-88.
- Hastings, Clark L., to Rochester Mfg. Co., Inc. Mechanical tachometer. 2,910,037, 10-27-59, Cl. 116-57.
- Hastings, Homer R., to General Motors Corp. Variable resistor sending unit for gages. 2,877,327, 3-10-59, Cl. 201-48.
- Hastings, Homer R., and C. A. Haut, to General Motors Corp. Electromagnetic indicating instruments. 2,883,623, 4-21-59, Cl. 324-140.
- Hastings, Homer R., and B. L. Stevens, to General Motors Corp. Liquid level signal arrangements. 2,899,517, 8-11-59, Cl. 200-84.
- Hastings Mfg. Co.: See—
- Phillips, Harold P. 2,887,180.
- Phillips, Harold P., and Cook. 2,869,200.
- Phillips, Harold P., and Johnson. 2,880,788.



- Hastings, Norman R. Combination ashtray and lighted cigarette support. 2,883,992, 4-28-59, Cl. 131-235.
- Hastings, Otis H. Vehicle cover-all assembly. 2,871,931, 2-3-59, Cl. 160-21.
- Hastings, Paul F.: See—
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- Hastings, Russell, Jr., to Clark Equipment Co. Latch linkage means. 2,898,872, 8-11-59, Cl. 103-366.
- Hastings, Russell, Jr., to Clark Equipment Co. Materials handling device. 2,917,196, 12-15-59, Cl. 214-701.
- Hastings, Russell, Jr., and E. R. Backofen, to Clark Equipment Co. Extensible upright for lift trucks. 2,906,373, 9-29-59, Cl. 187-9.
- Hastings, Russell, Jr., H. A. Mackie, and J. M. Squier, to Clark Equipment Co. Overhead guard for industrial lift truck. 2,911,232, 11-3-59, Cl. 280-150.
- Hastings, Warren W., to Rochester Mfg. Co., Inc. Gauge movement. 2,914,949, 12-1-59, Cl. 73-406.
- Hastrup, Herman and R. C. Surface contactor for blast cleaning machine. 2,878,624, 3-24-59, Cl. 51-11.
- Hastrup, Rolf C.: See—
- Hastrup, Herman and R. C. 2,878,624.
- Hastrup, Rolf C. Dust bag assembly. 2,987,915, 8-4-59, Cl. 183-51.
- Haszeldine, Robert N. 1,1 diethoxy-3,3,3-trifluoropropane. 2,883,429, 4-21-59, Cl. 260-615.
- Haszeldine, Robert N., and H. Iserson, to Pennsalt Chemicals Corp. Preparation of tetrahalomethanes. 2,907,798, 10-6-59, Cl. 260-653.
- Hat Corp. of America: See—
- Hoffman, Stanley G. 2,882,181.
- Hata, Ikuzo: See—
- Suyama, Hidenari, Kobayashi, Sakata, Hata, Uzumaki, Ishii, Kiyota, and Hataka. 2,890,927.
- Hatch, Albert M., to Borg-Warner Corp. Servo valve. 2,917,080, 12-15-59, Cl. 137-624.
- Hatch, Charles H. Door holding device. 2,908,032, 10-13-59, Cl. 16-80.
- Hatch, Edmund K.: See—
- Miller, Leon F., and Hatch. 2,908,950.
- Hatch, Herman R. Steel mail box support for steel post. 2,868,488, 1-13-59, Cl. 348-149.
- Hatch, Howard E., to A. P. Saris. Rust eradicant and method of using same. 2,873,256, 2-10-59, Cl. 252-136.
- Hatch, James F.: See—
- Jolliffe, Sidney A. W., Byatt, Watson, Hatch, and French. 2,917,741.
- Hatch, James W., to Monarch Engineering Corp. Multiple-section pump barrel. 2,883,246, 4-21-59, Cl. 309-2.
- Hatch, James W., to Monarch Engineering Corp. Method for assembling multiple-section cylinders. 2,897,586, 8-4-59, Cl. 29-467.
- Hatch, Loranus P., to United States of America, Atomic Energy Commission. Radioactive concentrator and radiation source. 2,918,700, 12-29-59, Cl. 18-475.
- Hatch, Loranus P., F. T. Miles, T. V. Sheehan, R. W. Wiswall, and R. J. Heus, to United States of America, Atomic Energy Commission. Process for continuously separating irradiation products of thorium. 2,893,936, 7-7-59, Cl. 204-154.2.
- Hatch, Robert L.: See—
- Hammesfahr, Frederic W., and Hatch. 2,914,450.
- Hatch, Walter H., to Esso Research and Engineering Co. Integrated process for production of improved asphalt. 2,913,391, 11-17-59, Cl. 208-40.
- Hatcher, Glenn B., to Bloomer Bros. Co. Carton erecting machine. 2,894,432, 7-14-59, Cl. 93-37.
- Hatcher, Joseph H.: See—
- Bannister, Constance, and Hatcher. 2,870,930.
- Hatcher, Robert D.: See—
- Spencer, Edward G., Reggia, Tompkins, and Hatcher. 2,905,940.
- Hatcher, Robert L., to Noll Mfg. Co. Roof ventilator. 2,909,113, 10-20-59, Cl. 98-46.
- Hatcher, Roy A. Process for sizing garments. 2,907,676, 10-6-59, Cl. 117-66.
- Hatchett, George L., to Northrop Corp. Printed circuit relay. 2,917,601, 12-15-59, Cl. 200-104.
- Hatchett, Horace N. Motor vehicle speed setting device. 2,890,596, 6-16-59, Cl. 74-531.
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- Leblang, William M. 2,899,159.
- Hatfield, John A.: See—
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- Hatfield, Lester N., to Fairchild Camera and Instrument Corp. Mechanical stop for potentiometers. 2,872,553, 2-3-59, Cl. 201-48.
- Hatfield, Marcus R., to Union Carbide Corp. Primary galvanic cells. 2,904,615, 9-15-59, Cl. 136-146.
- Hatfield, Robert L., and R. C. Webster, to W. E. Anderson, Inc. High pressure, explosion proof, fluid flow controlled electrical switch. 2,887,546, 5-19-59, Cl. 200-81.9.
- Hathaway, Jarrett L., to Radio Corp. of America. Audience survey system. 2,903,508, 9-8-59, Cl. 178-6.
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- Hathorn, William R., Jr. Portable barbecue pits. 2,902,026, 9-1-59, Cl. 128-25.
- Hathorn, William R., Jr. Barbecue apparatus. 2,909,170, 10-20-59, Cl. 126-25.
- Hathway, David E.: See—
- Jones, Ewart R. H., Hembest, Woods, Hathway, and Thomas. 2,897,213.
- Hatkin, Leonard, to United States of America, Army. High gain omnidirectional antenna. 2,871,477, 1-27-59, Cl. 343-728.
- Hatkin, Leonard, to United States of America, Army. Conical scanning antenna. 2,881,432, 4-7-59, Cl. 343-756.
- Hatsopoulos, George N., and J. Kaye, to Thermo Electron Engineering Corp. Conversion of thermal energy into electrical energy. 2,915,652, 12-1-59, Cl. 310-4.
- Hatt, Lawrence H.: See—
- Nagel, Herbert, and Hatt. 2,876,067.
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- Pachmayr, Frank A. 2,888,853.
- Hattan, Mark, to W. P. Green. Rotary transmissions. 2,899,844, 8-18-59, Cl. 74-888.
- Hattersley, Thomas E., to General Dynamics Corp. Micro-strip filters. 2,915,716, 12-1-59, Cl. 333-73.
- Hatton, J. B.: See—
- Ushakoff, Alexis E. 2,868,614.
- Ushakoff, Alexis E. 2,906,591.
- Hatton, William, to International Telephone and Telegraph Corp. Party line identification system. 2,889,410, 6-2-59, Cl. 179-17.
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- Hauck, Theodore, to General Bronze Corp. Window scupper arrangement. 2,891,290, 6-23-59, Cl. 20-70.
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- Hauck, Wilhelm C. Sheet transfer devices for the reciprocating table of a printing machine. 2,893,732, 7-7-59, Cl. 271-54.
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- Hauer, Gerald E., to The American Well Works, Diffuser. 2,917,295, 12-15-59, Cl. 261-124.
- Hauf, George F., to Chicago Metal Mfg. Co. Roller shaft bearing for cold roll forming machine. 2,895,531, 7-21-59, Cl. 153-65.
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- Haug, Albert, to F. Kruckenberg. Resilient couplings for train cars. 2,884,869, 5-5-59, Cl. 105-4.
- Haug, Richard J. Portable tool with back carried engine. 2,909,068, 10-20-59, Cl. 74-16.
- Haug, Samuel E., to Forney Generators, Inc. Pulley. 2,917,935, 12-22-59, Cl. 74-230.01.
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- Haugen, Glenn L., to Bendix Aviation Corp. Reduction of multivibrator recovery time. 2,898,478, 8-4-59, Cl. 307-88.5.
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- Haugwitz, Otto, to Societe Anonyme d'ite: Geoffroy-Delore. Colling apparatus. 2,886,258, 5-12-59, Cl. 242-82.
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- Haugwitz, Otto, to Societe Anonyme Geoffroy-Delore. Con-ling systems. 2,896,869, 7-28-59, Cl. 242-25.
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- Hausmann, George, to Irvington Machine Works, Inc. Trimmer saw machine and selective control therefor. 2,881,811, 4-14-59, Cl. 143-41.
- Hausmann, George, to Irvington Machine Works, Inc. Shock absorbing mechanism. 2,882,039, 4-14-59, Cl. 267-1.
- Hausmann, George, to Irvington Machine Works, Inc. Control mechanism for lumber processing. 2,918,951, 12-29-59, Cl. 144-3.
- Hausmann, Wilfried, to Union Carbide Corp. Apparatus for dispensing gas material. 2,908,145, 10-13-59, Cl. 62-51.

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- Haupt, George J., to The Jefferson Medical College of Philadelphia. Lung ventilating apparatus. 2,904,034, 9-15-59, Cl. 128-29.
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- Best, Chris E., Hausch, and Robertson. 2,905,652.
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- Hause, Gilbert K., to General Motors Corp. Quick take-up master cylinder. 2,886,950, 5-19-59, Cl. 60-54.6.
- Hause, Gilbert K., to General Motors Corp. Brake actuator. 2,890,709, 6-16-59, Cl. 188-72.
- Hause, Gilbert K., to General Motors Corp. Transmission control. 2,896,471, 7-28-59, Cl. 74-484.
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- Hause, Norman L., to E. I. du Pont de Nemours and Co. Purification of lysine. 2,878,282, 3-17-59, Cl. 260-534.
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- Hause, Ralph R. Machine tool spindle mounting means. 2,887,344, 5-19-59, Cl. 308-6.
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- Hausen, Gerard E. Dispensing unit. 2,881,962, 4-14-59, Cl. 222-473.
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- Haushalter, Fred L. Vibration damper with cooling element. 2,882,747, 4-21-59, Cl. 74-574.
- Haushalter, Thomas L., and E. L. Bergeron, to The Frank-Dewey Co., Inc. Separable and readily portable refrigeration display cabinet. 2,915,884, 12-8-59, Cl. 62-254.
- Hausman, Albert F., and J. F. Butler, to Diamond Chain Co., Inc. Parts feeding hopper and method. 2,888,169, 5-26-59, Cl. 221-167.
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- Hausmann, Werner, to VEB Schlepperwerk Nordhausen. Hydraulic transmission. 2,918,907, 12-29-59, Cl. 121-70.
- Hausser, O. & M.: See—
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- Havens, Carl B.: See—
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- Havens, Carl B., and G. A. Clark, to The Dow Chemical Co. Diesters of aliphatic dicarboxylic acids and hydroxy benzo-phenones. 2,894,022, 7-7-59, Cl. 260-479.
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- Hawk, Le Roy R., D. Eolkin, R. P. Smith, and R. L. Tambini, to Gerber Products Co. Process for treating meats. 2,908,577. 10-13-59, Cl. 99-187.
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- Hawke, Earle G. Three-wheeled motorcycle with rockable rear wheel assembly. 2,878,032. 3-17-59, Cl. 280-282.
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- Hawkins, Harold V., C. H. Davis, E. T. Mahar, and B. M. Vinicky. Aircraft control apparatus. 2,892,601. 6-30-59, Cl. 244-77.
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- Hawkins, Jean, to Jennings Radio Mfg. Corp. Stepping relay. 2,912,543. 11-10-59, Cl. 200-105.
- Hawkins, John C., to National Research Development Corp. Devices for use in the conveyance of root crops. 2,881,905. 4-14-59, Cl. 198-211.
- Hawkins, John C., to The National Research Development Corp. Ditching machine. 2,885,800. 5-12-59, Cl. 37-91.
- Hawkins, John C., to National Research Development Corp. Apparatus for removing soil from harvested plants. 2,907,393. 10-6-59, Cl. 171-61.
- Hawkins, John C., J. F. McCloy, and R. J. Ofeld, to National Research Development Corp. Peanut stripper. 2,902,997. 9-8-59, Cl. 130-30.
- Hawkins, John G., to Whiffen and Sons Ltd. Process for producing rigid expanded polyvinyl chloride. 2,901,446. 8-25-59, Cl. 260-2.5.
- Hawkins, Robert L., Jr., and E. G. Bobalek, to The Empire Varnish Co. Storage-stable pastes, paints, inks and similar products containing aluminous pigments. 2,904,523. 9-15-59, Cl. 260-8.
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- Hawkins, Thane E., to Talon, Inc. Automatic lock slider for slide fasteners. 2,913,796. 11-24-59, Cl. 24-205.14.
- Hawkins, Walter L., V. L. Lanza, and F. H. Winslow, to Bell Telephone Laboratories, Inc. Stabilized straight chain hydrocarbons. 2,889,306. 6-2-59, Cl. 260-41.
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- Hawkinson, Alfred T., and W. R. Schmitz, to E. I. du Pont de Nemours and Co. Preparation of aliphatic peracids. 2,910,504. 10-27-59, Cl. 260-502.
- Hawkinson, Donald E., K. O. Kolnes, and J. A. Jannenga, to Greenlee Bros. & Co. Multiple station-machine tool. 2,895,354. 7-21-59, Cl. 77-64.
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- Hawks, William L., and E. G. Patrick, to The Deltron Co., Inc. Intervalometer. 2,868,901. 1-13-59, Cl. 200-8.
- Hawley, Gail E.: See—  
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- Hawley, Jack S., to Shand and Jurs Co. Remote selecting system and apparatus. 2,877,444. 3-10-59, Cl. 340-147.
- Hawley, Jack S., to Shand and Jurs Co. Selecting, routing and receiving system and apparatus. 2,919,435. 12-29-59, Cl. 340-182.
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- Hawley Products Co.: See—  
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- Hawley, Richard A., to Meat Packers Equipment Co. Food mold loader. 2,917,888. 12-22-59, Cl. 53-392.
- Hawley, Roger S., to Esso Research and Engineering Co. Butyl rubber light colored vulcanizate, process of preparing same, and tire sidewall made therefrom. 2,873,784. 2-17-59, Cl. 152-357.
- Hawley, William J.: See—  
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- Haworth, Lionel, to Rolls-Royce Ltd. Turbine rotor disc structure. 2,918,252. 12-22-59, Cl. 253-39.
- Haworth, Lionel, R. J. Shire, and F. Moss, to Rolls-Royce Ltd. Lubricating arrangements for rotating machinery. 2,870,870. 1-27-59, Cl. 184-6.
- Haworth, Lionel, D. McLean, K. A. Basford, and E. Page, to Rolls-Royce Ltd. Rotational speed sensitive device. 2,886,300. 5-12-59, Cl. 264-20.
- Haworth, Lionel, and J. A. Petrie, to Rolls-Royce Ltd. Axial-flow fluid machines. 2,910,269. 10-27-59, Cl. 253-69.
- Haworth, Russell G., W. M. Fleming, F. J. Priesnitz, and A. L. McLaughlin, to Potash Co. of America. Mining machine having an arcuate cutter feed. 2,916,274. 12-8-59, Cl. 262-19.
- Haws, Gordon W. Marble game structure. 2,873,975. 2-17-59, Cl. 273-134.
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- Hawthorne, Edward P., to C. A. Parsons & Co. Ltd. Combustion turbines. 2,895,212. 7-21-59, Cl. 29-156.8.
- Hawthorne, Harry E. Building structure. 2,897,926. 8-4-59, Cl. 189-3.
- Hawthorne, Herbert J., and E. M. Weaver. Removable blade drag bits. 2,890,020. 6-9-59, Cl. 255-61.
- Hawthorne, James M. Maneuvering propeller means for ships. 2,885,990. 5-12-59, Cl. 115-35.
- Hawthorne, John O., and M. H. Willt, to United States Steel Corp. Method of protecting material against the effects of light. 2,905,570. 9-22-59, Cl. 117-33.3.
- Hawthorne, Millo M., to Dresser Industries, Inc. Earth well casing discontinuity detector. 2,897,440. 7-28-59, Cl. 324-37.
- Hawthorne, Nathaniel F.: See—  
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- Hawthorne, Nathaniel F., to Friden, Inc. Tens-transfer mechanism for a duplex calculating machine. 2,908,441. 10-13-59, Cl. 235-138.
- Hawtin, Laurence R., to Imperial Chemical Industries Ltd. Method of extruding successive but distinct articles. 2,879,887. 3-31-59, Cl. 207-10.
- Hawtin, Selwyn G.: See—  
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- Groombridge, Denis W., Hawtin, and Downing. 2,904,953.
- Hawtin, Selwyn G., and J. Downing, to British Celanese Ltd. Manufacture of textile and other materials having a basis of cellulose triacetate. 2,880,106. 3-31-59, Cl. 106-193.
- Hawtin, Selwyn G., and D. W. Groombridge, to British Celanese Ltd. Yarn feeding and collecting device. 2,889,034. 6-2-59, Cl. 222-355.
- Hawthurst, Stephen, to Crane Packing Co. Gasket and method of making same. 2,868,575. 1-13-59, Cl. 288-16.
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- Haxo, Henry E., Jr., and G. S. Mills, to United States Rubber Co. Heat treatment of rubber-lignin coprecipitates containing certain aldehydes or aldehyde homopolymers. 2,890,183. 6-9-59, Cl. 260-17.5.
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- Hay, Russell G.: See—  
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- Hay, Wayne W., to Air Reduction Co., Inc. Signal device. 2,892,436. 6-30-59, Cl. 116-70.
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- Hayasaka, Toshio, K. Masuzawa, and S. Nagai, to Nippon Telegraph & Telephone Public Corp. Acoustical titanium diaphragm and method for heat treating same. 2,879,193. 3-24-59, Cl. 148-21.9.
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- Hayden, Albert P., to United States Steel Corp. Device for paying off material and applying back tension. 2,877,963. 3-17-59, Cl. 242-156.
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- Hayden, Edward F. Aerator filter for fish and plant aquarium. 2,871,820. 2-3-59, Cl. 119-5.
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- Hayden, James F., to Eastman Kodak Co. Spool and spindle assembly. 2,889,123. 6-2-59, Cl. 242-68.3.
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- Hayden Mfg. Co.: See—  
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- Hayden, Rosamond E. Washing and polishing mitten. 2,880,436. 4-7-59, Cl. 15-118.
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- Hayden, Arthur W., to Consolidated Electronics Industries Corp. Motor speed governor. 2,869,062. 1-13-59, Cl. 318-311.
- Haydon, Arthur W., and T. Y. Korsgren, Sr., to Haydon Switch, Inc. Sealed switch and actuator assembly. 2,878,348. 3-17-59, Cl. 200-168.
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- Hayes, Charles P. Mechanical and electrical wire connector. 2,894,243. 7-7-59, Cl. 339-206.
- Hayes, Cletus T., to Oxy-Catalyst, Inc. Gas treating apparatus. 2,898,201. 8-4-59, Cl. 23-288.
- Hayes, Cletus T.: See—  
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- Hayes, Dale I., to American Zinc, Lead and Smelting Co. Runway forming and load receiving multiple car assembly. 2,906,212. 9-29-59, Cl. 104-137.
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- Hayes, Dudley W., to Food Machinery and Chemical Corp. Strainer. 2,910,183. 10-27-59, Cl. 210-315.
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- Hayes, Jack D., to Hercules Powder Co. Priming device. 2,913,982. 11-24-59, Cl. 102-24.
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- Hayes, Martin E.: See—  
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- Hayes, Mary B., to American Viscose Corp. Process of producing all skin rayon. 2,890,133. 6-9-59, Cl. 106-165.
- Hayes, Monson H.: See—  
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- Hayes, Monson H., to Link Aviation, Inc. Velocity measuring method and apparatus. 2,912,671. 11-10-59, Cl. 340-3.
- Hayes, Norman J., and W. C. Ross, to W. R. Grace & Co. Process of treating latex impregnated paper with an isocyanate and resultant article. 2,897,094. 7-28-59, Cl. 117-62.
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- Hayes, Stanley I.: See—  
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- Hayes, Stanley W., to Hayes Track Appliance Co. Wheel retainer with screw actuated clamps. 2,900,923. 8-25-59, Cl. 104-258.
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- Hayford, Richard E., to Haloid Xerox Inc. Xerographic development. 2,880,699. 4-7-59, Cl. 118-637.
- Hayford, Richard E., to Haloid Xerox Inc. Process of developing electrostatic image with charcoal. 2,899,331. 8-11-59, Cl. 117-17.5.
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- Hayford, Richard E., and H. E. Crumrine, to Haloid Xerox Inc. Xerographic development apparatus. 2,911,944. 11-10-59, Cl. 118-637.
- Hayhow, Cyril D.: See—  
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- Hayhurst, Thomas S., to United States of America, Army. Gearing. 2,895,342. 7-21-59, Cl. 74-409.
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- Hayman, George C. Weather-strip. 2,903,758. 9-15-59, Cl. 20-68.
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- Hayner, Paul F., to Sanders Associates, Inc. Gyroscope. Re. 24,741. 12-1-59, Cl. 74-5.5.
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- Haynes, Clyde H., to Gregory Industries, Inc. Welding stud. 2,893,762. 7-7-59, Cl. 287-20.2.
- Haynes, Clyde H., to Svenska Aktiebolaget Gasaccumulator. Metal member fusing device. 2,897,338. 7-28-59, Cl. 219-98.
- Haynes, George P., and S. Letvin, to Thermo Projects Inc. Vortex fog generators. 2,889,284. 6-2-59, Cl. 232-359.
- Haynes, Harry L., to Union Carbide Corp. Insecticidal compositions containing cyclothrin. 2,891,889. 6-23-59, Cl. 167-30.
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- Haynes, Munro K.: See—  
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- Haynes, Munro K., to International Business Machines Corp. Magnetic core logical circuits. Re. 24,614. 3-3-59, Cl. 340-174.
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- Haynie, Robert N., to Federal-Mogul-Bower Bearings, Inc. Apparatus for manufacturing fibrous fluid sealing elements. 2,883,845. 4-28-59, Cl. 69-8.



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- Haynie, Steven K. Fishhook setter. 2,918,745, 12-29-59, Cl. 43-15.
- Haynman, Alexandre, to International Resistance Co. Resistor. 2,879,361, 3-24-59, Cl. 201-63.
- Haynman, Alexandre, to International Resistance Co. Variable electrical resistor. 2,894,237, 7-7-59, Cl. 338-150.
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- Hays, Stephen A., to North American Aviation, Inc. Continuous chemical milling process. 2,890,944, 6-16-59, Cl. 41-42.
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- Hayse, Paul F., to Power Steering Co. Power steering mechanism and control valve therefor. 2,917,027, 12-15-59, Cl. 121-41.
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- Hayward, Charles E., to The Lobdell-Emery Mfg. Co. Transfer mechanism. 2,867,185, 1-6-59, Cl. 113-50.
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- Hayward, George W. Game apparatus including projectors. 2,912,246, 11-10-59, Cl. 273-101.
- Hayward, Henry M. Machine for printing flexible plastic containers. 2,883,928, 4-28-59, Cl. 101-35.
- Hayward, John T. Method and apparatus for stabilizing ambivalent vessels. 2,895,300, 7-21-59, Cl. 61-46.5.
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- Hazard, Charles S., and J. F. Coles, to Neptune Meter Co. Automatic resetting predetermining register. 2,904,251, 9-15-59, Cl. 235-132.
- Hazel, Ernest, Jr.: See—  
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- Hazel, Herbert K.: See—  
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- Lawson, Axel A., Hazel, Gary, and Gittler. 2,904,785.
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- Hazelett, Samuel R.: See—  
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- Loughlin, Bernard D. 2,885,465.
- Loughlin, Bernard D. 2,890,273.
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- Hazelwood, James W., to Newth-Morris Box Corp. of Florida. Folded liquid containing box. 2,914,234, 11-24-59, Cl. 229-31.
- Hazen, David C., and F. O. Ringleb, to Research Corp. Boundary layer control system. 2,894,703, 7-14-59, Cl. 244-42.
- Hazen, Edward J., to Bendix Aviation Corp. Pressure responsive force-ratio balance apparatus. 2,895,333, 7-21-59, Cl. 73-182.
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- Head Wrightson Processes Ltd.: See—  
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- Hedrick, Raymond C. Pulley attachment for a shaft. 2,916,315, 12-8-59, Cl. 287-52.
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- Helligmann, Randall G., and R. I. Leininger, to Diamond Alkali Co. Polymerization employing poly vinyl alkyl ethers as suspension stabilizers. 2,886,552, 5-12-59, Cl. 260-45.5.
- Hellman, Russell H.: See—  
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- Helm Co., The: See—  
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- Helm, John M., to American Machine & Foundry Co. Dough molding device. 2,881,715, 4-14-59, Cl. 107-9.
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- Helm, Lewis R., to Channing Corp. Method of making anti-friction bearings. 2,910,765, 11-3-59, Cl. 29-148.4.
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- Helman, John H., Jr. Fluid pressure rotary engine. 2,869,516, 1-20-59, Cl. 121-73.
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- Helman, Sam J.: See—  
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- Helmaster, John W.: See—  
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- Helmaster, John W., and R. L. McNeill, to Union Carbide Corp. Bore mining apparatus having means to measure the angle between units thereof. 2,886,299, 5-12-59, Cl. 262-7.
- Helmsberger, Helmut, and A. Bünger. Sliding clasp fasteners. 2,888,727, 6-2-59, Cl. 24-205.1.
- Helmsberger, William W.: See—  
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- Heimbuch, Elmer F., to Brummer Steel Co. Face seal means. 2,868,562, 1-13-59, Cl. 288-3.
- Heimlich, Ernst: See—  
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- Helmo, Elmer E.: See—  
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- Helmsch, Robert A.: See—  
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- Hein, Delton W.: See—  
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- Hein, Delton W., R. J. Alheim, and N. K. Barabutes, to American Cyanamid Co. Heavy metal containing azine pigments. 2,877,252, 3-10-59, Cl. 260-438.
- Hein, Frederick H., to AHMCO, Inc. Grain bin unloading device. 2,914,198, 11-24-59, Cl. 214-17.
- Hein, George E.: See—  
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- Hein, Kurt: See—  
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- Hein, Lawrence B.: See—  
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- Hein, Lehmann & Co., Akt.: See—  
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- Hein, Morris: See—  
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- Hein, Walter C.: See—  
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- Heinard, Whilden G., to United States of America, Army. Reverse direction waveguide coupler. 2,883,628, 4-21-59, Cl. 333-10.
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- Heine, Henry W. Method and machine for molding delicate materials. 2,877,531, 3-17-59, Cl. 25-45.
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- Heinemann, Heinz, T. H. Milliken, Jr., and D. H. Stevenson, to Houdry Process Corp. Preparation of isoprene. 2,900,429, 8-18-59, Cl. 260-680.
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- Heinemann, Heinz, and H. Shalit, to Houdry Process Corp. Method of preparing a hydrogenation-dehydrogenation catalyst. 2,908,654, 10-13-59, Cl. 252-441.
- Heinen, Severin: See—  
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- Heinenberg, Fritz, to Mannesmann Akt. Process for deep-hardening of long tubes or the like. 2,888,374, 5-26-59, Cl. 148-21.55.
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- Heininger, Samuel A., to Monsanto Chemical Co. Electrical devices containing alkyl  $\beta$ -alkoxypropionates. 2,870,236, 1-20-59, Cl. 174-17.
- Heininger, Samuel A., to Monsanto Chemical Co. Dielectric composition containing a phenoxypropionitrile. 2,900,345, 8-18-59, Cl. 252-63.7.
- Heininger, Samuel A., to Monsanto Chemical Co. Hydrazides. 2,909,556, 10-20-59, Cl. 260-461.
- Heininger, Samuel A., to Monsanto Chemical Co. Organic complexes of mercury. 2,913,470, 11-17-59, Cl. 260-433.
- Heininger, Samuel A., and M. Kosmin, to Monsanto Chemical Co. Alkyl beta-alkoxypropionates. 2,870,195, 1-20-59, Cl. 260-484.
- Heininger, Samuel A., and G. H. Birum, to Monsanto Chemical Co. Ketone products. 2,870,209, 1-20-59, Cl. 260-590.
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- Heininger, Samuel A., and E. L. Ringwald, to Monsanto Chemical Co. Miticidal nitriles. 2,900,409, 8-18-59, Cl. 260-465.
- Heininger, Samuel A., and G. H. Birum, to Monsanto Chemical Co. Haloalkanesulfonyl halide reaction product. 2,913,479, 11-17-59, Cl. 260-465.7.
- Heininger, Samuel A., and G. H. Birum, to Monsanto Chemical Co. Acrylonitrile reaction product. 2,913,480, 11-17-59, Cl. 260-465.7.
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- Heininger, Samuel A., and G. H. Birum, to Monsanto Chemical Co. Toxic nitriles. 2,919,225, 12-29-59, Cl. 167-30.



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Heinrich, Raymond L., to Esso Research and Engineering Co. Removal of metal contaminants from high boiling oils. 2,891,005, 6-16-59, Cl. 203-253.  
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Heinrich, Raymond L., J. A. Anderson, Jr., and N. P. Peet, to Esso Research and Engineering Co. Motor fuel composition. 2,916,366, 12-8-59, Cl. 44-56.  
Heinrichs, Charles E., to Virginia-Carolina Chemical Corp. Process for the beneficiation of phosphate ores. 2,903,131, 9-8-59, Cl. 209-3.  
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Heintz, Milton L., to General Electric Co. Operating mechanism for an electric switch. 2,905,787, 9-22-59, Cl. 200-92.  
Heintz, Ralph M. Internal combustion engine. 2,884,913, 5-5-59, Cl. 123-28.  
Heintzelman, Leo A. Centrally actuated variable size propeller. 2,885,012, 5-5-59, Cl. 170-160.11.  
Heintzelman, Leo A., to J. J. Jingles. Paint roller. 2,887,707, 5-26-59, Cl. 15-132.5.  
Heinz, Alfred, to Western Electric Co., Inc. D.C. voltage ratio measuring system. 2,881,392, 4-7-59, Cl. 324-98.  
Heinz, Howard H. Offset wrench handle with tri-point box end and detachable socket. 2,895,364, 7-21-59, Cl. 81-177.  
Heinz, Richard. Advertising device. 2,878,603, 3-24-59, Cl. 40-53.  
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Heinzelman, John A. Ice rink construction. 2,878,651, 3-24-59, Cl. 62-235.  
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Heinzerling, August. Beating device for household purposes. 2,867,419, 1-6-59, Cl. 259-64.  
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Sweendy, William M., and Helsler. 2,910,352.  
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Hells, John P., to Thompson Products, Inc. Adjustable self-pumping leveling system. 2,879,057, 3-24-59, Cl. 267-64.  
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Hellmann, Carl S. Adjustable cam mechanism. 2,888,837, 6-2-59, Cl. 74-568.  
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Hellstrom, Douglas R., to Smith and Wesson Inc. Guard for ejection opening in breech slide of firearm. 2,916,844, 12-15-59, Cl. 42-16.  
Helliwig, Harold. Dies for power press and the like. 2,906,315, 10-13-59, Cl. 153-21.  
Hellyer, John T., to Cribben and Sexton Co. Selective drive assembly. 2,913,930, 11-24-59, Cl. 74-722.  
Hellyer, John T., to R. S. Strom. Ice crusher directly driven by electric motor. 2,899,140, 8-11-59, Cl. 241-190.  
Helm, Edward J.: See—  
Bell, Leo A., and Helm. 2,905,437.  
Van Ackeren, Joseph, and Helm. 2,913,374.  
Helm, Homer E. Drive shaft lock system. 2,873,832, 2-17-59, Cl. 192-8.  
Helm, Tony W. Universal joint. 2,895,314, 7-21-59, Cl. 64-7.  
Helmer, Norman D., and F. H. Easton. Syringe structure. 2,869,541, 1-20-59, Cl. 128-218.  
Helmer, Norman D., and F. H. Easton. Multiple dosage syringe. 2,875,761, 3-3-59, Cl. 128-218.  
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Helmers, Carl J., to Phillips Petroleum Co. Process and apparatus for distilling petroleum hydrocarbons. 2,904,509, 9-15-59, Cl. 208-357.  
Helmerson, Knut H., to Casius Corp. Ltd. Fixing device for molding reinforcing rods in a casting mold. 2,901,807, 9-1-59, Cl. 25-118.  
Helmick, Charles G., Jr.: See—  
Fox, Edgar C., Jr., Helmick, and Campbell. 2,871,430.  
Helmig, Wilhelm H. T.: See—  
Reumerman, Theodor, and Hamelink. 2,886,239.  
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Helmis, James D. H. Collapsible and adjustable steering column. 2,910,887, 11-3-59, Cl. 74-493.  
Helmpp, Ferdinand, to North American Philips Co., Inc. Circuit-arrangement for use in magnetic recorders. 2,897,270, 7-28-59, Cl. 179-1.  
Helsdon, Peter B., to Marconi's Wireless Telegraph Co. Ltd. Television apparatus. 2,907,821, 10-6-59, Cl. 178-7.1.  
Helsel, Joseph C., Sr. Track tension adjuster. 2,887,342, 5-19-59, Cl. 305-9.  
Helsler, Ray B., to Florez, Inc. Display device. 2,868,364, 1-13-59, Cl. 206-45.2.  
Helsing, Jacob L. Water faucet valve. 2,885,177, 5-5-59, Cl. 251-187.  
Helsing, Knud J., to Westinghouse Electric Corp. Vending apparatus. 2,904,152, 9-15-59, Cl. 194-10.  
Helt, Herbert M., to National Aluminum Products Co. Knockdown adjustable railing. 2,870,996, 1-27-59, Cl. 256-22.  
Helton, James T. Cuff shaper. 2,868,424, 1-13-59, Cl. 223-63.  
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Burton, John A., Helversen, and Hyde. 2,905,405.  
Helverson, Helen I. Hospital bed bell cord anchor. 2,876,464, 3-10-59, Cl. 5-317.  
Helwig, Ralph W.: See—  
Crowley, Edgar I., Franke, and Helwig. 2,878,276.  
Helwig, William J.: See—  
Lynar, William E., and Helwig. 2,884,554.  
Rose, George M., Jr., and Helwig. 2,918,598.  
Hemb, Harald B. Apparatus for molding tongue and groove concrete slabs. 2,896,299, 7-28-59, Cl. 25-121.  
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- Hemel, Albert: See—  
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- Hemery, Jack L., and J. G. Farrell, to Continental Freezers of Illinois, Inc. Method of treating meat products. 2,876,109, 3-3-59, Cl. 99-169.
- Hemfort, Heinrich, and H. Zurburggen, to Westfalla Separator A.G. Centrifuge drive spindle arrangement. 2,916,201, 12-8-59, Cl. 233-23.
- Hemlock, Walter F., to United States of America, Air Force. Afterburner igniter. 2,885,857, 5-12-59, Cl. 60-39.28.
- Hemmerich, Rolf H., to Shell Development Co. Method of minimizing styrene polymerization during storage. 2,867,672, 1-6-59, Cl. 260-666.5.
- Hemmers, Everhardus J. H.: See—  
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- Hemminger, Charles E.: See—  
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Tate, Roger W., Rex, and Hemminger. 2,873,248.
- Hemminger, Charles E., to Esso Research and Engineering Co. High pressure thermal cracking and fluid coking. 2,873,244, 2-10-59, Cl. 208-50.
- Hemminger, Charles E., to Esso Research and Engineering Co. Hydroforming in presence of recycled pentane and heart cut fractions. 2,885,347, 5-5-59, Cl. 208-102.
- Hemminger, Charles E., to Esso Research and Engineering Co. Hydroforming process using improved silica-alumina catalyst base. 2,894,900, 7-14-59, Cl. 208-135.
- Hemminger, Charles E., to Esso Research and Engineering Co. Process for hydrofining and hydroforming hydrocarbons. 2,908,627, 10-13-59, Cl. 208-64.
- Hemminger, Charles E., to Esso Research and Engineering Co. Upgrading of crude petroleum oil. 2,909,476, 10-20-59, Cl. 208-59.
- Hemminger, Charles E., to Esso Research and Engineering Co. Slurry liquid phase hydrogenation. 2,914,462, 11-24-59, Cl. 208-112.
- Hemminger, Charles E., R. H. Dudley, and R. B. Long, to Esso Research and Engineering Co. Hydroforming of a naphtha with the addition of chlorine in the second stage of a two stage hydroforming process, with the use of a platinum containing catalyst. 2,885,345, 5-5-59, Cl. 208-65.
- Hemminger, Charles E., and D. D. Dunlop, to Esso Research and Engineering Co. Hydroforming with hydrocracking of recycle paraffins. 2,889,263, 6-2-59, Cl. 208-66.
- Hemminger, Charles E., A. B. Welty, Jr., W. O. Taff, and R. W. Sage, to Esso Research and Engineering Co. Hydroforming with preliminary hydrosulfurization. 2,901,415, 8-25-59, Cl. 208-65.
- Hemmings, Bernard D.: See—  
Hirsch, Andre, Gibbs, and Hemmings. 2,919,192.
- Hemness, Milton O. Idler pulley clutch for combine header belt. 2,878,634, 3-24-59, Cl. 56-122.
- Hempe, Harold H. Adjustable miter box. 2,912,019, 11-10-59, Cl. 143-89.
- Hempel, Gustav A.: See—  
Wacker, Wilhelm, Guillot, and Hempel. 2,889,583.
- Hempel, Gustav A., to McDowell Mfg. Co. Roller expanding and peening tool. 2,898,971, 8-11-59, Cl. 153-82.
- Hempel, Herbert W., to Marsh Stencil Machine Co. Stencil machine table alignment construction. 2,904,155, 9-15-59, Cl. 197-67.
- Hempel, Herbert W., to Marsh Stencil Machine Co. Marker. 2,913,747, 11-24-59, Cl. 15-136.
- Hempel, Rudolph M., to Borg-Warner Corp. Bearing seals for universal joints. 2,896,432, 7-28-59, Cl. 64-17.
- Hempel, Rudolph M., to Borg-Warner Corp. Bearing seals for universal joints. 2,896,433, 7-28-59, Cl. 64-17.
- Hempel, William C.: See—  
Wright, Kenneth A., Solum, and Hempel. 2,881,839.
- Hemphill, Adley W., to W. R. Grace & Co. Silica extrusions. 2,879,546, 3-31-59, Cl. 18-47.5.
- Hemphill, Alfred A., and J. M. Tewksbury, to Bendix Aviation Corp. Selective bridge amplifiers. 2,890,290, 6-9-59, Cl. 179-171.
- Hemphill, Alfred A., and J. M. Tewksbury, to Bendix Aviation Corp. Radio compass employing loop sensing device. 2,917,742, 12-15-59, Cl. 343-117.
- Hemphill, Carl A., to North American Aviation, Inc. Rotary actuator. 2,870,748, 1-27-59, Cl. 121-97.
- Hemphill Co.: See—  
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- Hemphill, Frederick A.: See—  
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- Hemphill, Rayburn W., Jr. Apparatus for producing roughened surface glove forms or the like. 2,895,206, 7-21-59, Cl. 25-129.
- Hemphill, Stanley R., to Safety Automatic Brake Corp. Brake control system. 2,871,999, 2-3-59, Cl. 192-3.
- Hemphill, William C., to Traffic Safety Equipment Co. Warning barricade construction. 2,879,378, 3-24-59, Cl. 240-2.
- Hemstreet, Harold S.: See—  
Smith, Robert L., and Hemstreet. 2,890,528.
- Hemstreet, Harold S., to Link Aviation, Inc. Grounded aviation trainer for rotary wing aircraft. 2,885,792, 5-12-59, Cl. 35-12.
- Hemstreet, Harold S., and H. D. Eckhardt, to Link Aviation, Inc. Decimal to binary translator. 2,868,450, 1-13-59, Cl. 235-61.
- Henahan, John F.: See—  
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Willard, Joe R., and Henahan. 2,916,415.
- Henatsch, Reynold. Typewriters. 2,919,004, 12-29-59, Cl. 197-19.
- Henault, André M. E.: See—  
Robert, Roger A., and Henault. 2,886,261.
- Henbest, Harold B.: See—  
Jones, Ewart R. H., and Henbest. 2,910,471.  
Jones, Ewart R. H., Henbest, Woods, Hathway and Thomas. 2,897,213.
- Henchert, John, to Continental Can Co., Inc. Paint can and cover. 2,868,410, 1-13-59, Cl. 220-60.
- Henchert, John, to Continental Can Co., Inc. Metallic receptacle spout or nozzle mounting and method of forming same. 2,889,968, 6-9-59, Cl. 222-574.
- Henchert, John, to Continental Can Co., Inc. Container closure and method of forming same. 2,901,161, 8-25-59, Cl. 229-43.
- Henchert, John, to Continental Can Co., Inc. Method of attaching a ball ear. 2,905,124, 9-22-59, Cl. 113-120.
- Henchert, John, to Continental Can Co., Inc. Method of attaching a ball ear. 2,905,125, 9-22-59, Cl. 113-120.
- Henchert, John, to Continental Can Co., Inc. Spray can and snap-on cap assembly and manufacture thereof. 2,906,430, 9-29-59, Cl. 220-60.
- Henchert, John, and H. E. Frankenberg, to Continental Can Co., Inc. Dual compartment container structure. 2,899,096, 8-11-59, Cl. 220-4.
- Henches, Eugene W., and I. R. Sheldon, to American Telephone and Telegraph Co. "Wake up" or "morning call" system for automatically signaling private branch exchange extension stations. 2,901,542, 8-25-59, Cl. 179-6.
- Hencken, Harold G., to American Felt Co. Glass channel run. 2,917,340, 12-15-59, Cl. 296-44.5.
- Hendal, Willem P.: See—  
Auer, Willem U., Groothuis, Hendal, and Vink. 2,894,371.  
Doorn, Johannes, Mondria, De Rijk, and Hendal. 2,915,449.
- Hendal, Willem P., to Shell Development Co. Process for cooling a gas. 2,870,611, 1-27-59, Cl. 62-5.
- Hendal, Willem P., to Shell Development Co. Generation of cold by expansion of a gas in a vortex tube. 2,893,214, 7-7-59, Cl. 62-5.
- Hendal, Willem P., to Shell Development Co. Vortex tube with divergent hot end. 2,893,215, 7-7-59, Cl. 62-5.
- Hendal, Willem P., to Shell Development Co. Vortex tube and method of operating a vortex tube. 2,907,174, 10-6-59, Cl. 62-5.
- Hendee, Alfred W. Fastener for boxes and the like. 2,879,097, 3-24-59, Cl. 292-256.
- Hendee, Charles F., S. Fine, and W. B. Brown, to North American Phillips Co., Inc. Device for charting X-ray spectra. 2,881,325, 4-7-59, Cl. 250-83.3.
- Hendee, Charles F., and S. Fine, to North American Phillips Co., Inc. Method and apparatus for making X-ray measurements. 2,881,327, 4-7-59, Cl. 250-83.3.
- Hendee, Charles F., and S. Fine, to North American Phillips Co., Inc. Method and apparatus for detecting radiation. 2,881,328, 4-7-59, Cl. 250-83.6.
- Hendee, Charles F., and S. Fine, to North American Phillips Co., Inc. Analysis of unknown substances. 2,882,418, 4-14-59, Cl. 250-83.6.
- Hendel, Frank J., to The Distillers Co. Ltd. Purification of aqueous ethyl alcohol for use in beverages. 2,879,163, 3-24-59, Cl. 99-48.
- Hendershot, Alfred E. Brush holder for paint cans. 2,903,154, 9-8-59, Cl. 220-90.
- Hendershot, Harold F.: See—  
Leaberry, Ernest F., Hendershot, and Edwards. 2,882,568.
- Henderson, Albert. Apparatus for making concrete building segments. 2,870,517, 1-27-59, Cl. 25-131.
- Henderson, Albert, to The Cementstone Corp. Apparatus for making concrete structural shapes. 2,874,442, 2-24-59, Cl. 25-118.
- Henderson, Albert. Apparatus for molding reinforced concrete building slabs, columns and girders. 2,916,795, 12-15-59, Cl. 25-121.
- Henderson, Albert. Assembly table for welding reinforcing steel cages for concrete structural shapes. 2,917,015, 12-15-59, Cl. 113-99.
- Henderson, Annie L.: See—  
Henderson, Elmer and A. L. 2,894,448.
- Henderson, Ashland S., C. D. Cross, and J. R. Riede, to Reserve Mining Co. Automatic material proportioning system. 2,888,026, 5-26-59, Cl. 137-88.
- Henderson, Ashland S., C. D. Cross, and J. R. Riede, to Reserve Mining Co. Ratio control of binder to concentrate. 2,909,303, 10-20-59, Cl. 222-57.
- Henderson, David E., and V. W. Kiser. Hydraulic screw brake. 2,905,276, 9-22-59, Cl. 188-90.
- Henderson, Edward. Hypodermic needle mount. 2,870,765, 1-27-59, Cl. 128-215.
- Henderson, Eldon C. Cord fastener. 2,911,697, 11-10-59, Cl. 24-117.
- Henderson, Eldon C. Cord fastener. 2,911,698, 11-10-59, Cl. 24-117.
- Henderson, Elmer and A. L. Combination smoke oven and all purpose cooker. 2,894,448, 7-14-59, Cl. 99-444.
- Henderson, Frank D.: See—  
Jamison, Robin R., and Henderson. 2,882,680.
- Henderson, Frank J., and A. J. Schenk, to Jervis B. Webb Co. Drive unit constructions for conveyor chains. 2,918,020, 12-22-59, Cl. 104-172.
- Henderson, George F., to General Motors Corp. Motor vehicle construction. 2,875,841, 3-3-59, Cl. 180-64.
- Henderson, Homer I. Drilling bit. 2,894,727, 7-14-59, Cl. 253-72.
- Henderson, Howard F.: See—  
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- Henderson, J. Alvin, to International Telephone and Telegraph Corp. Information location circuit. 2,875,372, 2-24-59, Cl. 315-12.
- Henderson, J. Alvin, to International Telephone and Telegraph Corp. Charge storage device. 2,908,836, 10-13-59, Cl. 313-68.
- Henderson, J. Alvin, and N. E. Hoag, to International Telephone and Telegraph Corp. Photoemissive tube. 2,913,610, 11-17-59, Cl. 313-65.
- Henderson, James H., and J. J. Taber, to Gulf Research & Development Co. Process for increasing permeability of oil bearing formation. 2,889,884, 6-9-59, Cl. 166-38.
- Henderson, John, to Aktinson's Agricultural Appliances Ltd. Endless bands. 2,903,304, 8-8-59, Cl. 305-57.
- Henderson, John C. Apparatus for extracting naturally occurring difficultly flowable petroleum oil from a naturally located subterranean body. 2,911,047, 11-3-59, Cl. 166-61.
- Henderson, Joseph E., to United States of America, Navy. Fuse. 2,892,093, 6-23-59, Cl. 250-209.
- Henderson, Lloyd F., and F. E. Carroll, to Lever Bros. Co. Process of making soap detergent bars and product. 2,868,731, 1-13-59, Cl. 252-117.
- Henderson, Lloyd F., and C. H. Schramm, to Lever Brothers Co. Detergent containing  $\beta,\beta'$ -dichlorodiphenylpropanamide. 2,877,187, 3-10-59, Cl. 252-153.
- Henderson, Loran A., to E. I. du Pont de Nemours and Co. Method for applying and metal coating composition of a butadiene resin and organic derivative of titanium. 2,875,919, 3-3-59, Cl. 220-64.
- Henderson, Loran A., to E. I. du Pont de Nemours and Co. Stabilized liquid coating composition containing butadiene 1,3 and method of preparing same. 2,876,207, 3-3-59, Cl. 260-33.4.
- Henderson, Ralph L. Repeating rubber band gun. 2,917,037, 12-15-59, Cl. 124-19.
- Henderson, Ray M. Refrigeration system and apparatus having a heating cycle and a cooling cycle and method of controlling the heating cycle. 2,904,967, 9-22-59, Cl. 62-81.
- Henderson, Richard W.: See—  
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- Henderson, Robert: See—  
Weinstein, Abraham J. 2,880,525.
- Henderson, Robert D. Wheel balancing device. 2,879,667, 3-31-59, Cl. 73-483.
- Henderson, Robert M., to Fairbanks, Morse & Co. Multiple unit hump control. 2,908,852, 10-13-59, Cl. 318-158.
- Henderson, Robert R., to Burroughs Corp. Floating spring construction for type magazine and the like. 2,903,962, 9-15-59, Cl. 101-109.
- Henderson, Robert S. Baseball games. 2,886,319, 5-12-59, Cl. 273-93.
- Henderson, Shelby F., Jr.: See—  
Ginsburg, Charles P., and Henderson. 2,916,547.
- Henderson, Stanley D., Jr., to Westinghouse Electric Corp. Electromagnetic contactor. 2,905,870, 9-22-59, Cl. 317-157.
- Henderson, Thomas W., to United Steel Fabricators, Inc. Metal door frame. 2,874,420, 2-24-59, Cl. 20-11.
- Henderson, Wayne L. R.: See—  
Brooks, Wesley W., Dochterman, and Henderson. 2,882,506.  
Dierstein, Roy H., and Henderson. 2,878,301.
- Henderson, Wayne L. R., to General Electric Co. Coaxial inductive device and enclosing case therefor. 2,889,523, 6-2-59, Cl. 336-90.
- Henderson, Wayne L. R., to General Electric Co. Coil insulating and lead anchoring means for transformers. 2,902,661, 9-1-59, Cl. 336-196.
- Henderson, William E., to Union Carbide Corp. Method of packaging. 2,890,552, 6-16-59, Cl. 53-30.
- Hendley, James A., to Talon, Inc. Tape for slide fasteners. 2,907,355, 10-6-59, Cl. 139-384.
- Hendley, Joel J., and A. A. Alexander. Hose rack. 2,872,143, 2-3-59, Cl. 248-81.
- Hendricks, James and E. H. Lass. Pipe bevelers. 2,909,011, 10-20-59, Cl. 51-102.
- Hendricks, John G., and A. R. Pitrot, to National Lead Co. Vinyl resin compositions stabilized with lead chloride-lead silicate complexes. 2,874,145, 2-17-59, Cl. 260-45.75.
- Hendrickson, Charles C. Tractor hitch. 2,890,896, 6-16-59, Cl. 280-467.
- Hendrickson, Charles C. Caster wheel assembly for a disc tiller. 2,918,300, 12-22-59, Cl. 280-80.
- Hendrickson, Ellis C., and H. J. Kirschner, to Pacific Car and Foundry Co. Vertical axis propellers. 2,916,093, 12-8-59, Cl. 170-147.
- Hendrickson, Fritz E., 1/2 to M. Ireland. Pleated buffing wheel. 2,867,062, 1-6-59, Cl. 51-193.
- Hendrickson, Joe G., to The American Oil Co. Production of duren and pseudocumene. 2,906,786, 9-29-59, Cl. 260-668.
- Hendrickson, Joe G., and F. T. Wadsworth, to The American Oil Co. Production of duren. 2,906,785, 9-29-59, Cl. 260-668.
- Hendrickson Mfg. Co.: See—  
Small, Charles L. 2,914,349.
- Hendrickson, Severin B., to Heywood-Wakefield Co. Folding chair. 2,918,114, 12-22-59, Cl. 155-142.
- Hendrickson, Severin B., and H. W. Wickman, to Heywood-Wakefield Co. Safety hinge limiting apparatus. 2,895,632, 7-21-59, Cl. 217-60.
- Hendriks, Herbert E. Strike-dip measuring aid. 2,914,862, 12-1-59, Cl. 33-204.
- Hendrix, Alfred L. Instant releasing C-clamp. 2,916,789, 12-15-59, Cl. 24-243.
- Hendrix, Hurshel V., and E. S. Miles, to Phillips Petroleum Co. Hydraulic fracturing to develop underground storage caverns. 2,880,587, 4-7-59, Cl. 61-5.
- Hendrix, Sylvan G., and D. W. Miller, to General Motors Corp. Propeller control system. 2,887,164, 5-19-59, Cl. 170-160.21.
- Hendrix, Sylvan G., R. A. Hirsch, and E. H. McDonald, to General Motors Corp. Propeller mechanical low pitch stop. 2,888,992, 6-2-59, Cl. 170-160.31.
- Hendry, Adolph R. Spur guard. 2,870,947, 1-27-59, Cl. 227-27.
- Hendry, Adolph R. Air bulb for atomizers and method of making same. 2,896,840, 7-28-59, Cl. 230-169.
- Hendry, Charles M., to The B. F. Goodrich Co. Method of preparing alpha-sulfo acrylic acid. 2,895,957, 7-21-59, Cl. 260-513.
- Hendry, Elmer, to Richmond-Chase Co. Can marking device. 2,875,685, 3-3-59, Cl. 101-40.
- Hendry, Eric D.: See—  
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- Hendry, Hubert M. Fertilizer and irrigation system. 2,909,002, 10-20-59, Cl. 47-1.
- Hendry, James W., to Tube Turns Plastics, Inc. Injection molding process for unplasticized polyvinyl chloride. 2,890,491, 6-16-59, Cl. 18-55.
- Hendry, James W., to Tube Turns Plastics, Inc. Process for molding polytetrafluoroethylene. 2,899,710, 8-18-59, Cl. 18-55.
- Hendry, Thomas A., to The Excello Paper Products Co. Paper-board drum or container. 2,888,184, 5-26-59, Cl. 229-55.
- Henebry, John P.: See—  
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- Henecka, Hans, F. Ziegler, and W. Ruggeberg, to Schenley Industries, Inc. Production of anhydrous sterile preparations of alkali barbiturates and alkali thiobarbiturates. 2,887,487, 5-19-59, Cl. 260-257.
- Henecka, Hans, H. Timmler, and R. Lorenz, to Farbenfabriken Bayer A.G. 3-aryazo derivatives of piperid-2-one-3-carboxylic acid esters and process for producing the same. 2,888,451, 5-26-59, Cl. 260-156.
- Henegar, Harold E.: See—  
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- Heney, John F.: See—  
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- Hengel, Mathew C., to American Cyanamid Co. Method for assembling ceramic plug to lead wires for electric blasting caps. 2,915,012, 12-1-59, Cl. 102-28.
- Hengsten, Bernard T., E. Bonami, and O. A. Clemens, to Swift & Co. Method and machine for use in packaging of bacon or the like. 2,907,152, 10-6-59, Cl. 53-35.
- Hengstebeck, Robert J.: See—  
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- Hengstebeck, Robert J., to Standard Oil Co. Reaction-regeneration system for hydroforming naphtha with platinum-alumina catalyst. 2,873,176, 2-10-59, Cl. 23-288.
- Hengstebeck, Robert J., to Standard Oil Co. Fluidized solid catalyst regeneration-rejuvenation system. 2,881,132, 4-7-59, Cl. 208-140.
- Hengstebeck, Robert J., to Standard Oil Co. Reaction-regeneration system for hydroforming naphtha with supported platinum catalyst. 2,908,653, 10-13-59, Cl. 252-416.
- Hengstebeck, Robert J., to Standard Oil Co. Platinum catalyst reforming process. 2,914,465, 11-24-59, Cl. 208-140.
- Hengstebeck, Robert J., to Standard Oil Co. Petroleum refining. 2,917,450, 12-15-59, Cl. 208-66.
- Hengstebeck, Robert J., and J. E. Wolf, to Standard Oil Co. Process for separation of gasoline fractions of different octane number by cyclic adsorption. 2,893,944, 7-7-59, Cl. 208-95.
- Henisch, Heinz K., to Sylvania Electric Products Inc. Hall effect amplifier. 2,877,309, 3-10-59, Cl. 179-171.
- Henjum, James E.: See—  
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- Henke, Alfred M.: See—  
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- Henke, Alfred M., to Gulf Research & Development Co. Hydroforming process. 2,909,480, 10-20-59, Cl. 208-135.
- Henke, Alfred M., and H. C. Stauffer, to Gulf Research & Development Co. Process for the removal of straight chain acetylenes from isoprene. 2,900,430, 8-18-59, Cl. 260-681.5.
- Henke, Alfred M., and W. A. Horne, to Gulf Research & Development Co. Diffusion process and apparatus. 2,902,111, 9-1-59, Cl. 183-2.
- Henke, Robert H.: See—  
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- Henkel & Cie. A.G.: See—  
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- Henkel, Hans, and H. Achtnick. Apparatus for the removal of water and foreign bodies from fluids. 2,875,900, 3-3-59, Cl. 210-301.
- Henkel, Harvey L., and R. G. Blauvelt, to Herring-Hall-Marvin Safe Co. Security file. 2,887,965, 5-26-59, Cl. 109-59.
- Henkel, Heinrich: See—  
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- Henkel, Joseph P., to Cameraflex Corp. Moving picture camera for photographing two objects simultaneously. 2,868,064, 1-13-59, Cl. 88-16.
- Henkin, Hyman, to Colgate-Palmolive Co. Shampoo compositions. 2,871,193, 1-27-59, Cl. 252-152.
- Henle, Robert A.: See—  
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- Henle, Robert A., to International Business Machines Corp. Logical circuits employing junction transistors. 2,872,593, 2-3-59, Cl. 307-88.5.
- Henle, Robert A., to International Business Machines Corp. Multistable circuit. 2,903,604, 9-8-59, Cl. 307-88.5.
- Henley, Grayce L. Concept building device for teaching mathematical and other relationships. 2,876,560, 3-10-59, Cl. 35-32.
- Henn-Collins, Christopher A. Mechanical selective positioning mechanism. 2,900,848, 8-25-59, Cl. 74-768.
- Henn-Collins, Christopher A. Selective positioning mechanisms. 2,901,727, 8-25-59, Cl. 340-324.
- Henneberg, Frank J.: See—  
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- Hennefer, Fred L. Eraser cleaner. 2,896,234, 7-28-59, Cl. 15-89.
- Hennemann, Georg, to American Enka Corp. Process for treating polyamide fibers. 2,909,445, 10-20-59, Cl. 117-76.
- Hennemann, Raymond G., to ACF Industries, Inc. Drain plug and float release for carburetor bowls. 2,881,791, 4-14-59, Cl. 137-409.
- Hennessey, Frank L., to United States of America, Navy. Ring source omnidirectional antenna. 2,881,431, 4-7-59, Cl. 343-753.
- Hennessey, Richard G., to International Harvester Co. Steering by driving with differential lock-out bull gear coupling. 2,874,790, 2-24-59, Cl. 180-6.2.
- Hennessey, Russell J., to Waldorf Paper Products Co. Can carrying carton. 2,874,869, 2-24-59, Cl. 220-112.
- Hennessey, Russell J., and R. M. Dunning, to Waldorf Paper Products Co. Tape roll holder. 2,879,022, 3-24-59, Cl. 248-174.
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- Hennessey, Russell J., and R. M. Dunning, to Waldorf Paper Products Co. Can carriers. 2,912,103, 11-10-59, Cl. 206-65.
- Hennessey, Douglas J., and E. E. Kupstas, to American Lecithin Co., Inc. Combined solvent treatment of phosphatide emulsion to break said emulsion and remove non-lipid substances. 2,882,285, 4-14-59, Cl. 260-403.
- Hennessy, James J., to Hennessy Lubricator Co., Inc. Railway axle journal lubricator structure. 2,919,166, 12-29-59, Cl. 308-84.
- Hennessy Lubricator Co., Inc.: See—  
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- Hennies, August F., Jr., to Cochran Continental Container Corp. Press apparatus for engaging a container with a cover. 2,886,933, 5-19-59, Cl. 53-341.
- Hennig, Arnold J.: See—  
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- Hennig, Fritz, to Siemens & Halske Aktiengesellschaft. Apparatus for correcting the effects of disturbances in telegraphic communication. 2,900,447, 8-18-59, Cl. 178-23.
- Hennig, Harvey: See—  
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- Hennig, Harvey, to The Pure Oil Co. Process for selective hydrogenation of petroleum stocks. 2,878,179, 3-17-59, Cl. 208-144.
- Hennig, Harvey, to The Pure Oil Co. Process for chemical pyrolysis. 2,885,455, 5-5-59, Cl. 260-677.
- Hennig, Harvey, to The Pure Oil Co. Method of recovering bitumen. 2,906,337, 9-29-59, Cl. 166-11.
- Hennig, Ingeborg: See—  
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- Hennig, Walter, A. Scheinert, K. Taubert, and H. Strehle. Reflex cameras. 2,911,894, 11-10-59, Cl. 95-11.
- Hennig, Walter, H. Strehle, and A. Mendel, to VEB Zeiss Ikon Dresden. Gear assembly in particular for cameras and the like. 2,906,184, 9-29-59, Cl. 95-31.
- Hennigan, Henry W.: See—  
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- Hennigan, Henry W., to Phillips Petroleum Co. Hydrocarbon conversion apparatus. 2,899,283, 8-11-59, Cl. 23-284.
- Hennings, Alfred H., to The General Tire & Rubber Co. Plastic tank liners. 2,876,927, 3-10-59, Cl. 220-63.
- Hennings, Donald S., to Curtis Lighting, Inc. Fixture and mounting bracket for same. 2,914,287, 11-24-59, Cl. 248-343.
- Hennings, Frederick W.: See—  
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- Hennings, George E., to Western Electric Co., Inc. Plastics extruding apparatus. 2,882,555, 4-21-59, Cl. 18-13.
- Hennings, George E., to Western Electric Co., Inc. Methods of absorbing and retaining expanding media in plastic materials. 2,885,738, 5-12-59, Cl. 18-59.
- Hennings, George E., to Western Electric Co., Inc. Apparatus for extruding plastic material. 2,893,056, 7-7-59, Cl. 18-13.
- Hennings, George E., to Western Electric Co., Inc. Apparatus for extruding plastic material. 2,911,676, 11-10-59, Cl. 18-13.
- Hennings, Harley A., and O. J. Murphy, to Bell Telephone Laboratories, Inc. Timing pulse generator circuit for magnetic drum. 2,888,802, 5-12-59, Cl. 340-174.
- Hennings, Otto, to ACF Industries, Inc. Fuel supply chamber for multi-barrel carburetor. 2,874,742, 12-1-59, Cl. 261-23.
- Hennings, Otto A., to ACF Industries, Inc. Carburetor constant level chamber. 2,882,029, 4-14-59, Cl. 261-72.
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- Hennings, Werner, to Bunder-Glas G.m.b.H. Bottle closures. 2,889,951, 6-9-59, Cl. 215-47.
- Hennion, George F., to Olin Mathieson Chemical Corp. Production of trisubstituted boranes. 2,880,242, 3-31-59, Cl. 260-606.5.
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- Hennion, Joseph B., to Tyler Refrigeration Corp. Telescoping shopping cart having movable lower package support. 2,903,269, 9-8-59, Cl. 280-33.99.
- Hennion, Joseph B., to Tyler Refrigeration Corp. Shopping cart; improved wheel arrangement. 2,903,273, 9-8-59, Cl. 280-124.
- Hennion, Joseph B., to Tyler Refrigeration Corp. Telescoping shopping cart; checkout signal. 2,918,294, 12-22-59, Cl. 280-33.99.
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- Henry, Willi. Container closure and pouring attachment. 2,912,146, 11-10-59, Cl. 222-531.
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- Henquet, Andre J., and J. J. Perrot, to International Standard Electric Corp. Switching system applicable particularly to automatic telephone system. 2,913,534, 11-17-59, Cl. 179-22.
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- Henrichs, Bernard W., to C. Hartwell, d. b. a. Hartwell Aviation Supply Co. Flush latch construction. 2,874,986, 2-24-59, Cl. 292-167.
- Henrichs, Bernard W., to C. Hartwell, d. b. a. Hartwell Aviation Supply Co. Toggle bolt latch. 2,896,751, 7-28-59, Cl. 189-35.
- Henrichs, Bernard W., to C. Hartwell, d. b. a. Hartwell Aviation Supply Co. Adjustable hook latch. 2,904,141, 9-15-59, Cl. 189-35.
- Henrichsen, Knut, to North American Aviation, Inc. Hydraulic unit with improved piston assembly. 2,901,979, 9-1-59, Cl. 103-162.
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- Henricks, John A., to Devex Corp. Method of pickling and coating stainless steel in the same bath. 2,868,680, 1-13-59, Cl. 148-6.14.
- Henricks, John A., to Devex Corp. Refractory binder for metal casting molds. 2,881,081, 4-7-59, Cl. 106-38.3.
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- Henriksen, Arthur L., to Norsk Hydro-Elektrisk Kvaestof-aktieselskab. Machine for packing bags with powdered or granulated material. 2,900,774, 8-25-59, Cl. 53-126.
- Henrikson, Oscar W., and F. E. Wood, to General Telephone Laboratories, Inc. Handset electrical terminals. 2,907,836, 10-6-59, Cl. 179-103.
- Henrikson, Thor O., to Pacific Car and Foundry Co. Hydraulic draft gears. 2,909,292, 10-20-59, Cl. 213-43.
- Henrikson, Thor O., and N. H. Smedberg. Logging bunks. 2,909,130, 10-20-59, Cl. 105-282.
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- Henry, Albert R. Pavement breaking drill. 2,905,168, 9-22-59, Cl. 125-33.
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- Henry, Edwin B., Jr., to United States Steel Corp. Apparatus for testing bodies of magnetic material. 2,870,401, 1-20-59, Cl. 324-34.
- Henry, Elbert A., Jr., to Riegel Paper Corp. Consistency regulating system. 2,880,654, 4-7-59, Cl. 92-46.
- Henry, Elliott A., to Sperry Products, Inc. Automatic ultrasonic inspection. 2,883,860, 4-28-59, Cl. 73-67.9.
- Henry, Elliott A., to Sperry Products, Inc. Ultrasonic thickness gauge. 2,888,824, 6-2-59, Cl. 73-67.9.
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- Henry, James J., to Constock International Methane Ltd. Storage tank and means for support of same. 2,905,352, 9-22-59, Cl. 220-15.
- Henry, James P., to United States of America, Air Force. Partial pressure suit. 2,886,027, 5-12-59, Cl. 128-1.
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- Henry, Joseph P., to Union Carbide Corp. Production of 2,2-bis(oxyaryl)propane compounds. 2,884,462, 4-28-59, Cl. 260-813.
- Henry, Kenneth M., and H. B. Vincent, to Owens-Illinois Glass Co. Prevention of fracture in glass cathode-ray tubes. 2,874,017, 2-17-59, Cl. 316-19.
- Henry, Louis, to Forges de Strasbourg (Societe Anonyme). Metal cabinet structures. 2,907,471, 10-6-59, Cl. 211-136.
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- Henry, Maurice. Improvement of the tensile strength of metal products. 2,881,822, 4-14-59, Cl. 153-78.
- Henry, Nelson R. Potato slicing machine. 2,917,093, 12-15-59, Cl. 146-165.
- Henry, Nelson B., to Aldrich Machine Works. Evener mechanism stop. 2,918,704, 12-29-59, Cl. 19-70.
- Henry, Nelson R., to The Woodman Co., Inc. Vibrator for bag filling apparatus. 2,891,776, 6-23-59, Cl. 259-54.
- Henry, Noah. Clinch connector. 2,895,201, 7-21-59, Cl. 24-232.
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- Henry, Robert L.: See—  
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- Henry, Robert L., to The Cincinnati Milling Machine Co. Apparatus for reproducing a pattern outline. 2,868,993, 1-13-59, Cl. 250-202.
- Henry, Robert L., Jr., to United States of America, Navy. Electronic module mounting device. 2,892,129, 6-23-59, Cl. 317-101.
- Henry, Robert R., to Link-Belt Co. Apparatus for washing oil well drilling cuttings. 2,873,032, 2-10-59, Cl. 210-524.
- Henry, Robert S. Air-operated razor. 2,912,753, 11-17-59, Cl. 30-43.
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- Henry, William V., to American Enka Corp. Method of preparing freshly spun cakes of rayon for aftertreatment. 2,877,545, 3-17-59, Cl. 29-428.
- Henry, William V., to American Enka Corp. Blow box. 2,886,848, 5-19-59, Cl. 18-8.
- Hensch, Earl J., and L. H. Terlecki, to The General Fireproofing Co. Filing cabinet with double-acting drawers. 2,914,370, 11-24-59, Cl. 312-286.
- Henschel, Joseph W. Cap packaging inserts. 2,915,231, 12-1-59, Cl. 223-84.
- Henschel, Wilfred. Illumination apparatus. 2,907,868, 10-6-59, Cl. 240-12.
- Henschen, Edgar, and F. Lyman, to Crown Cork & Steel Co., Inc. Container feeding arrangement. 2,868,243, 1-13-59, Cl. 141-168.
- Hense, Theo, to Olympia Werke AG. Printing apparatus. 2,874,634, 2-24-59, Cl. 101-93.
- Hensel, Bernhard, to Loewe Opta Aktiengesellschaft. Static electronic lens for electron beam valves. 2,919,378, 12-29-59, Cl. 315-16.
- Hensgen, Bernard T., to Swift & Co. Ice cream sandwich machine. 2,875,708, 3-3-59, Cl. 107-1.
- Hensgen, Bernard T., to Swift & Co. Bag sealing machine and method. 2,881,573, 4-14-59, Cl. 53-22.
- Hensgen, Bernard T., to Swift & Co. Machine for use in the packaging of product. 2,899,722, 8-11-59, Cl. 53-247.
- Hensgen, Bernard T., O. A. Clemens, and W. M. Urbain, to Swift & Co. Continuous sausage manufacture and apparatus therefor. 2,877,118, 3-10-59, Cl. 99-109.
- Hensgen, Bernard T., and C. E. Evanson. Method and apparatus for preparing slabs of food product. 2,899,317, 8-11-59, Cl. 99-178.
- Hensgen, Bernard T., and H. G. Reichel, to Swift & Co. Sausage forming machine. 2,905,967, 9-29-59, Cl. 17-41.
- Henshaw, James N., to United Shoe Machinery Corp. Actuating mechanism for metal-working machines. 2,916,921, 12-15-59, Cl. 74-55.
- Henshel, Harry B. Wrist watch and band coupling. 2,901,806, 9-1-59, Cl. 24-265.
- Hensley, James L., to Ty-Sa-Man Machine Co. Plate positioning tables. 2,901,245, 8-25-59, Cl. 269-109.
- Hensley, Robert K., Jr. Shower attachment. 2,900,139, 8-18-59, Cl. 239-499.
- Hensley, Robert K., Jr. Cleaning depository. 2,911,083, 11-3-59, Cl. 194-4.
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- Henstrom, Sten A., and K. S. R. Hultgren, to Aktiebolaget Bofors. Feeding installation for feeding rounds of ammunition from a magazine to a hoist. 2,891,448, 6-23-59, Cl. 89-46.
- Henszey, Robert T., to Lear, Inc. Line frequency doubler. 2,867,731, 1-6-59, Cl. 307-11.
- Hentschel, Herbert, and O. Sussenguth, to Rutgerwerke-Akt. Process for the preparation of nitrogenous condensation products of phenols and aldehydes. 2,880,195, 3-31-59, Cl. 260-54.



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- Henwood, Russell H. Matchbook with windbreak. 2,887,217, 5-19-59, Cl. 206-35.
- Henzel, George L., to Cobehn, Inc. Automatic high velocity spray cleaning apparatus. 2,904,053, 9-15-59, Cl. 134-55.
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- Hepler, Donald L., to Sharon Steel Corp. Strap stretching tool construction. 2,893,689, 7-7-59, Cl. 254-51.
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- Heppe, Karl R. W., to Hager & Meisinger G.m.b.H. Dental finishing tool, especially for interproximal work. 2,902,763, 9-8-59, Cl. 32-40.
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- Heraeus, Wilhelm H., and H. Mohn, to Heraeus Quarzschmelze G.m.b.H. Castings for gas discharge tubes and lamps and process. 2,904,713, 9-15-59, Cl. 313-112.
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- Herb, Raymond G., to Wisconsin Alumni Research Foundation. Vacuum pump. 2,888,189, 5-26-59, Cl. 230-69.
- Herb, Raymond G., to Wisconsin Alumni Research Foundation. Pump. 2,894,679, 7-14-59, Cl. 230-69.
- Herb, Raymond G., to Wisconsin Alumni Research Foundation. Vacuum pump. 2,913,167, 11-17-59, Cl. 230-69.
- Herbage, Bernard S., to Allis-Chalmers Mfg. Co. Relief valve. 2,905,358, 9-22-59, Cl. 220-89.
- Herbenar, Edward J., to Thompson Products, Inc. Plastic lined ball joint with integral seal. 2,868,572, 1-13-59, Cl. 287-90.
- Herbenar, Edward J., to Thompson Products, Inc. Hydraulic type vehicle power steering device. 2,885,020, 5-5-59, Cl. 280-79.2.
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- Herbenar, Edward J., to Thompson Ramo Wooldridge Inc. Self-adjusting pivot bushing for vehicle suspension. 2,913,251, 11-17-59, Cl. 280-96.1.
- Herbenar, Edward J., to Thompson Ramo Wooldridge Inc. Coupling. 2,917,910, 12-22-59, Cl. 64-15.
- Herbenar, Edward J., and S. S. Mazur, to Thompson Products, Inc. Ball and socket joint assembly. 2,880,025, 3-31-59, Cl. 287-85.
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- Herbert, Alfred, Ltd.: See—
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- Herbert, Charles N. and T. W. Knitted hosiery. 2,910,852, 11-3-59, Cl. 66-180.
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- Herbert George Co.: See—
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- Herbert, Raymond E. Filter baffles. 2,888,140, 5-26-59, Cl. 210-275.
- Herbert, Robert E. Game carrier. 2,873,449, 2-17-59, Cl. 2-94.
- Herbert, Theodore W.: See—
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- Herbert, Thomas M., to The Budd Co. Multi-fluid brake operating motor. 2,904,961, 9-22-59, Cl. 60-97.
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- Herbes, William F.: See—
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- Herbruck, Robert A. Storage container. 2,899,884, 8-18-59, Cl. 99-235.
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- Herbst, Ralph L.: See—
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- Hercules Powder Co.: See—
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- Bewley, Thomas, and Cooke. 2,906,676.
- Bohlman, Walter S. 2,906,073.
- Brack, Karl. 2,885,278.
- Butler, Robert W. 2,914,410.
- Campbell, Conrad J. 2,885,375.
- Cartwright, Charles R. 2,916,514.
- Christman, Donald L. 2,884,353.
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- Cochrane, John D., III, Ott, Staffin, and Stuart. 2,913,140.
- Dehm, Henry C., and Maury. 2,888,484.
- Downard, Jack M. 2,914,483.
- Eckels, Warren H. 2,902,355.
- Elliott, John H. 2,879,291.
- Enos, Herman I., Jr. 2,877,273.
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- Hall, Ronald H., and Turk. 2,906,675.
- Harpham, John A. 2,916,413.
- Hayes, Jack D. 2,913,982.
- Hudy, James A. 2,895,924.
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- Kelm, Gerald I. 2,884,407.
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- Klug, Eugene D. 2,895,931.
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- Levering, Dewey R. 2,906,745.
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- McAndrew, John F. 2,915,520.
- Moseley, Patterson B. 2,913,464.
- Nakiely, Felix G. 2,914,436.
- Price, Charles C. 2,895,921.
- Putman, Stearns T. 2,891,024.
- Rosher, Ronald. 2,901,394.
- Schilling, William M. 2,909,492.
- Shapleigh, James H. 2,904,497.
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- Silver, Raymond P. 2,884,394.
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- Watkins, Spencer H. 2,872,315.
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- Watson, Ross O. 2,892,864.
- York, Owen, Jr. 2,906,737.
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- Hermanson, Donald E.: See—
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- Hermansson, Dan S. Splash guard for machine tools and like purposes. 2,867,064, 1-6-59, Cl. 51-272.
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- Hermeling, Gilbert C., Jr.: See—
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- Hern, Howard D., to Collins Radio Co. Frequency modulation means including pulse position modulation. 2,870,412, 1-20-59, Cl. 332-16.
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- Herne, William L. Writing implement. 2,896,348, 7-28-59, Cl. 40-19.
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- Herr, Richard F. 2,868,540.
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- Herr, Frederick W.: See—
- Schoepfel, John F., Varner, and Herr. 2,899,393.
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- Fraser, Robert W., and Herterich. 2,884,609.
- Herter's, Inc.: See—
- Lint, Robert M. 2,899,226.
- Hertl, Robert, to Westinghouse Electric Corp. Turbine apparatus. 2,903,434, 9-22-59, Cl. 253-78.
- Hertlich, Elise: See—
- Hertlich, Joseph. 2,869,726.
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- Herts, John H. B., to Intercoastal Door Corp. Hollow panels. 2,893,076, 7-7-59, Cl. 20-91.
- Hertz, Abraham, 15% to P. G. Herman. Self sealing collapsible tubes. 2,878,973, 3-24-59, Cl. 222-212.
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- Bartlett, James L., Jr., Hertzog, and Pickard. 2,871,671.
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- Hery, Vincent D., to The American Tool Works Co. Pan spraying machine. 2,892,438, 6-30-59, Cl. 118-2.
- Herz, Friedrich. Process for television transmission. 2,899,496, 8-11-59, Cl. 178-7.5.
- Herz, Josef E.: See—
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- Herz, William H., to Borolite Corp. Sintered Ni-Al-Zr compositions. 2,884,688, 5-5-59, Cl. 29-102.
- Herzberger, Maximilian J., to Eastman Kodak Co. High resolution lenses for microphotography. 2,878,723, 3-24-59, Cl. 88-57.
- Herzfeld, Maura L.: See—
- Offermann, Alfredo M. 2,869,359.
- Herzig, Albert M.: See—
- McIntosh, Harold A., Mouron, Stell, and Herzig. 2,870,885.
- Herzog, August G. Bobbin carrier for braiding machines. 2,895,371, 7-21-59, Cl. 87-56.
- Herzog, Gerhard, to The Texas Co. Radiation detector. 2,875,364, 2-24-59, Cl. 313-93.
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- Gould, David H., Herzog, and Hershberg. 2,899,447.
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- Gold, Marvin H., and Herzog. 2,918,489.
- Heslov, Simon: See—
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- Heseltine, Donald W.: See—
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- Heseltine, Donald W., to Eastman Kodak Co. Heterocyclic quaternary salts containing a cyclohexenylidenemethyl substituent. 2,887,479, 5-19-59, Cl. 260-240.
- Heseltine, Donald W., and L. G. S. Brooker, to Eastman Kodak Co. Tricarboxyaniline infrared absorbing dyes. 2,895,955, 7-21-59, Cl. 260-240.5.
- Heselwood, James C., to Radio Condenser Co. Radio tuners. 2,875,620, 3-3-59, Cl. 74-10.7.
- Heselwood, James C., to Bethlehem Steel Co. Controllable function potentiometer. 2,913,694, 11-17-59, Cl. 338-48.
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- Heslop, Elliott G.: See—
- Dorland, Rodger M., Yan, and Heslop. 2,918,398.
- Heslop, Robert N.: See—
- Alsberg, Frederick R., Heslop, Rattee, and Stephen. 2,892,670.
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- Korn, Arthur, Hess, and Ruskin. 2,894,259.
- Hess, Christian H.: See—
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- Hess, Francis M.: See—
- Logmann, Arthur A., and Hess. 2,872,729.
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- Hess, Frank. Multiple instrument playing device. 2,912,894, 11-17-59, Cl. 84-171.
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- Hess, Frederic O., to Selas Corp. of America. Apparatus for convection heating. 2,917,299, 12-15-59, Cl. 263-40.
- Hess, George R. Safety support for ladders. 2,868,427, 1-13-59, Cl. 228-64.
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- Bretling, Wilhelm, Hess, and Kamp. 2,892,528.
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- Hess, Harry C. Apparatus for routing wing skin panels for aircraft and the like. 2,891,451, 6-23-59, Cl. 90-13.
- Hess, Heinrich: See—
- Hoyden, Adolf, and Hess. 2,914,783.
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- Carter, Norman D., and Hess. 2,918,511.
- Carter, Norman D., Hess, and Riordan. 2,908,639.
- Christensen, Edward R., and Hess. 2,886,509.
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- Hess, Howard V., and E. R. Christensen, to The Texas Co. Method of treating a petroleum fraction using molecular sieve aluminosilicate selective adsorbents. 2,886,508, 5-12-59, Cl. 208-79.
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- Hess, Howard V., J. Ryer, and M. Fontaine, to Texaco Inc. Process for removing trace metals with hydrogen and an inert packing material. 2,910,434, 10-27-59, Cl. 208-251.
- Hess, James L., Jr., to Westinghouse Electric Corp. Socket support. 2,916,718, 12-8-59, Cl. 339-17.
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- Hess, Joseph W.: See—
- Korn, Arthur, Hess, and Ruskin. 2,894,259.
- Hess, Karl W., to North American Phillips Co., Inc. Voltage regulating system. 2,905,880, 9-22-59, Cl. 321-7.
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- Wagner, Christian, Holtschmidt, and Hess. 2,916,519.
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- Hess, Lawrence G., and N. R. Cox, to Union Carbide Corp. Hydroformylation of conjugated dienes. 2,912,464, 11-10-59, Cl. 260-604.
- Hess, Lester J.: See—
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- Hess, Norman E.: See—
- Kendall, George A., and Hess. 2,918,180.
- Hess, Paul D., to Allis-Chalmers Mfg. Co. Arrangement for improving operation of hydraulic turbine. 2,914,301, 11-24-59, Cl. 253-117.
- Hess, Paul S.: See—
- Nelson, Melvin C., and Hess. 2,894,560.
- Hess, Ray H. Fishing tackle. 2,895,253, 7-21-59, Cl. 43-42.15.
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- Hess, Richard C., to Westinghouse Air Brake Co. Armature holddown latch for electrical relays. 2,916,677, 12-8-59, Cl. 317-187.
- Hess, Thomas D., to American Bosch Arms Corp. Fuel injection pump. 2,895,420, 7-21-59, Cl. 103-2.
- Hess, Walter R. Wall structure. 2,875,866, 3-3-59, Cl. 189-34.
- Hess, William F. Chain having a one piece folded tubular link. 2,870,598, 1-27-59, Cl. 59-80.
- Hess, Werner G., to Dana Corp. Machine for locating and clamping a pair of telescoped channel rail elements into unit relationship. 2,878,555, 3-24-59, Cl. 29-200.
- Hesse, Arno, E. W. Hede, Jr., and J. B. Sola, to Remington Arms Co., Inc. Power plane. 2,871,897, 2-3-59, Cl. 145-4.
- Hesse, Paul, and H. Imme, to Aktiebolaget Svenska Kullägerfabriken. Display device. 2,886,909, 5-19-59, Cl. 40-106.25.
- Hessel, Frederick A.: See—
- Martin, James W., Hessel, Hammer, and Rust. 2,875,831.
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- Steckler, Robert, Hessel, and Werner. 2,893,973.
- Hessel, Frederick A., and G. Robinson, to General Aniline & Film Corp. Polyester film of 2-butene-1,4-diol and methyl vinyl ether-maleic anhydride copolymer crosslinked with N-vinyl-2-pyrrolidone and process for preparing same. 2,882,267, 4-14-59, Cl. 260-45.4.
- Hesselink, Frans, to American Enka Corp. Method and apparatus for the manufacture of yarn. 2,908,937, 10-20-59, Cl. 18-8.



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- Hessler, John, Jr., to International Telephone and Telegraph Corp. Twin probe waveguide transition. 2,909,735, 10-20-59, Cl. 333-33.
- Hesson, James C., to Cardox Corp. Method of and apparatus for storing and dispensing liquid carbon dioxide. 2,890,594, 4-7-59, Cl. 62-54.
- Hesston Mfg. Co., Inc.: See—  
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- Hester Plow Co., Inc.: See—  
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- Hester, William H., Jr., to A. E. Warnberg. Self-righting container. 2,913,153, 11-17-59, Cl. 222-463.
- Hesterman, Francis C., to Flexonics Corp. Fluid-operated apparatus for forming flexible tubing. 2,887,146, 5-19-59, Cl. 153-73.
- Hestvik, Ole A., F. R. Olin, A. L. Salmén, and B. A. Söderberg, to Aktiebolaget Cellico. Apparatus for disintegration of wood materials. 2,914,259, 11-24-59, Cl. 241-46.
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- Hetjell, Paul S., to Worthington Corp. Dust seal for an industrial mixer. 2,869,900, 1-20-59, Cl. 285-9.
- Heth, Sherman C.: See—  
Krause, Norman R., Heth, and Naer. 2,887,761.
- Heth, Sherman C., to J. I. Case Co. Method of manufacture of slide for spreaders. 2,892,245, 6-30-59, Cl. 29-148.3.
- Hetherington, Sidney W. Fluid flow control valve with modulating orifice. 2,894,009, 4-28-59, Cl. 138-46.
- Hetrick, George L., to Westinghouse Electric Corp. Washing apparatus. 2,899,815, 8-18-59, Cl. 68-17.
- Hetteche, Hans O., to Forschungsgesellschaft der Wabag Wasserreinigungsbau m.b.H. Removal of urochrome from otherwise potable water by adsorption. 2,884,378, 4-28-59, Cl. 210-37.
- Hetteche, Otto, and K. Schultze, to Bran & Lubbe. Process and an apparatus for measuring impurities of water. 2,895,329, 7-21-59, Cl. 73-53.
- Hettick, George R., to Phillips Petroleum Co. Removal of sulfur dioxide from oils. 2,905,638, 9-22-59, Cl. 208-338.
- Hettinger, William P., Jr., to Engelhard Industries, Inc. High temperature activation of a palladium-alumina reforming catalyst. 2,893,948, 7-7-59, Cl. 208-138.
- Hettrick, Carl R. Line connector for fishing appliances. 2,874,511, 2-24-59, Cl. 43-44.87.
- Hetzel, Max, to Bulova Watch Co., Inc. Tuning fork oscillator. 2,888,582, 5-26-59, Cl. 310-25.
- Hetzel, Max, to Bulova Watch Co., Inc. Timepiece arrangement. 2,900,786, 8-25-59, Cl. 58-23.
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- Hetzel, Stanford J., to Sun Oil Co. Separation process. 2,881,127, 4-7-59, Cl. 208-26.
- Hetzel, Wayne D., and J. T. Simons. Pop-up cooker. 2,915,000, 12-1-59, Cl. 99-327.
- Hetzler, Johannes J. H. M. Apparatus for extracting liquid from liquid-containing material. 2,915,005, 12-1-59, Cl. 100-121.
- Hetzler, Lewis R.: See—  
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- Heus, Raymond J.: See—  
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- Pagano, Joseph F., Donovick, Dutcher, and Heuser. 2,902,412.
- Heuser, Paul F.: See—  
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- Heusler, Karl: See—  
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- Wettstein, Albert, and Heusler. 2,918,480.
- Heussner, Wilhelm L. G., to Herman Schwarz K.G. Mine prop. 2,912,211, 11-10-59, Cl. 248-354.
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- Hevener, Osborn F. Weather indicator. 2,874,571, 2-24-59, Cl. 73-336.
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- Heveran, Glenn E., to Shurhit Products, Inc. Ignition breaker assembly. 2,914,625, 11-24-59, Cl. 200-31.
- Heverly, Lancy F. Pipe support. 2,891,749, 7-23-59, Cl. 248-49.
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- Hewett, William A., R. C. Jones, and L. E. Lorensen, to Shell Development Co. Polymeric pour point depressant compositions. 2,895,915, 7-21-59, Cl. 252-59.
- Hewitt, Chester H., Jr. Tab lock for slide-fasteners. 2,915,798, 12-8-59, Cl. 24-205.11.
- Hewitt, Ellis E., R. J. Bush, and W. B. Jeffrey, to Westinghouse Air Brake Co. Hose clamp applying machine. Re. 24,636, 4-21-59, Cl. 81-9.3.
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- Hewitt, Ernest W., and J. J. Krakusky, to The Western Union Telegraph Co. Message accumulator and stacker. 2,868,874, 1-13-59, Cl. 178-42.
- Hewitt, John E., L. F. Schmidt, and D. G. Gardner, to Abrams Instrument Corp. Time base mechanism. 2,868,924, 1-13-59, Cl. 200-90.
- Hewitt, Redginal I.: See—  
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- Hewitt, Woodrow W., to Parks-Cramer Co. Creel for twisting and similar machines. 2,869,903, 1-20-59, Cl. 287-54.
- Hewitt, Woodrow W., to Parks-Cramer Co. Adjustable creel assembly. 2,880,024, 3-31-59, Cl. 287-54.
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- Chesebrough, James A., Scott, and Elliott. 2,894,178.
- Hartke, Dexter C. 2,881,317.
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- Lacy, Peter D. 2,881,393.
- Reis, Charles S. 2,900,522.
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- Tepper, Gene S., and Clement. 2,875,905.
- Watkins, Dean A. 2,900,558.
- Wunderman, Irwin. 2,896,086.
- Hewlett, William R., to Hewlett-Packard Co. Broad band waveguide directional coupler. 2,871,452, 1-27-59, Cl. 333-10.
- Hewson, John E. Valve manifold. 2,871,881, 2-3-59, Cl. 137-597.
- Hewton, John T.: See—  
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- Hexcel Products Inc.: See—  
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- Holland, Kenneth M. 2,887,425.
- Steele, Roger C., and Tast. 2,870,693.
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- Heyd, Josef W., to United States of America, Atomic Energy Commission. Timing circuit. 2,895,047, 7-14-59, Cl. 250-27.
- Heyden, Herbert F., to Baby World Co., Inc. Diaper pin. 2,887,748, 5-26-59, Cl. 24-156.
- Heyden Newport Chemical Corp.: See—  
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- Klein, David X. 2,874,090.
- Kraft, William M. 2,870,121.
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- Sisson, Edmond F., Cole, and Krumbein. 2,894,880.
- Steinhardt, David, Klein, and Barth. 2,915,560.
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- Heyer, Clyde C.: See—  
Mahon, Joseph E., Walter, and Heyer. 2,885,538.
- Heyer, Don, to International Research Corp. Door catch. 2,885,237, 5-5-59, Cl. 292-70.
- Heyer, Don. Clutch means for power feed mechanism. 2,887,903, 5-26-59, Cl. 74-625.
- Heyer, Don. Clutch controlled drive mechanism for machine tools. 2,901,916, 9-1-59, Cl. 74-422.
- Heyer, Don. Power operated feed device. 2,901,928, 9-1-59, Cl. 77-33.5.
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- Heyl, Edgar G., and J. J. Hiltov, to W. R. Grace & Co. Preformed shrinkable closures for containers. 2,885,105, 5-5-59, Cl. 215-38.
- Heyl, Russell G., Jr., to American Metal Products Co. Longitudinally adjustable seat track. 2,886,095, 5-12-59, Cl. 155-14.
- Heyl & Patterson, Inc.: See—  
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- Heym, Lothar S. Constant velocity coupling. 2,867,998, 1-13-59, Cl. 64-7.
- Heyman, Albert A., to The Maryland Baking Co. Pastry cups. 2,877,117, 3-10-59, Cl. 99-59.
- Heyman, Moses D. Apparatus and method for forming a sheet of integrated mica. 2,870,819, 1-27-59, Cl. 154-2.5.
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- Heymann, Hans G., to Hein, Lehmann & Co. Akt. Methods and apparatus for crushing materials. 2,901,187, 8-25-59, Cl. 241-263.
- Heymann, Sol R. Faucet or valve. 2,913,006, 11-17-59, Cl. 137-625.31.
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- Heymons, Albrecht, to Riedel-de Haen Akt. Magnesium nicotinate-magnesium dehydrocholate compositions for peripheral vascular disorders. 2,883,326, 4-21-59, Cl. 167-68.
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- Heyser, Carl W.: See—  
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- Heyser, Lewis S., and D. H. Mooney, Jr., to Westinghouse Electric Corp. Pulse doppler radar. 2,905,939, 9-22-59, Cl. 343-7.7.
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- Heywood-Wakefield Co.: See—  
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- Hendrickson, Severin B., and Wickman. 2,895,632.
- Hiatt, Melvin A., L. P. Bonifaci, and F. C. Reed, to Boeing Airplane Co. V-gutter thrust-reversers. 2,879,642, 3-31-59, Cl. 60-35.6.
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- Hibbard, Gerald O.: See—  
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- Hibbard, Rowland G., to J. F. Dunn. Implement hitch. 2,871,028, 1-27-59, Cl. 280-476.
- Hibben, John, Jr., and B. B. Kunkel, to Kunkel Industries, Inc. Collapsible golf bag cart. 2,914,336, 11-24-59, Cl. 280-42.
- Hibbitts, Charles H., and F. L. Kelly, to Allied Chemical Corp. Production of melamine. 2,918,467, 12-22-59, Cl. 260-249.7.
- Hibner, De Los E., Jr., and J. W. Humphrey, to Blaw-Knox Co. Soot blower. 2,883,694, 4-28-59, Cl. 15-317.
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- Hickerson, Frederick R. Fastener for laced closures. 2,871,537, 2-3-59, Cl. 24-117.
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- Hickerson, John E., to International Business Machines Corp. Type selection mechanism. 2,905,083, 9-22-59, Cl. 101-93.
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- Hickey, William W.: See—  
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- Hickman, Charles E., and A. L. Goldsmith. Apparatus for manufacturing tubing. 2,870,522, 1-27-59, Cl. 29-33.
- Hickman, Emmett W. Semiautomatic signal attachment for a mailbox. 2,874,896, 2-24-59, Cl. 232-35.
- Hickman, Herbert H. Auxiliary engine control device. 2,908,827, 10-13-59, Cl. 307-10.
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- Simons, Allison K., Radke, and Hickman. 2,894,563.
- Hickman, John P.: See—  
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- Hickman, Kenneth C. D. Multiple effect distillation. 2,894,879, 7-14-59, Cl. 202-45.
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Weiss, Walter A., and Wise. 2,903,644.
- Hickok Mfg. Co., Inc.: See—  
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- Meeker, William H. 2,885,756.
- Salter, Douglas R. 2,876,980.
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- McClure, Arthur W. 2,903,830.
- Whitcomb, John O. 2,887,156.
- Hickok, Willard H., to Chemetron Corp. Electronic arc-suppressor. 2,868,941, 1-13-59, Cl. 219-10.77.
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- Hicks, Drury F., Jr. In-line coupler. 2,900,688, 8-25-59, Cl. 24-125.
- Hicks, Harold C., to G. Miller. Magazine paper roll dispensing device. 2,904,254, 9-15-59, Cl. 242-55.3.
- Hicks, Harold H., to International Steel Co. Welded type striker and draft lug with coupler height adjustment. 2,894,646, 7-14-59, Cl. 213-21.
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- Hicks, Melvin E. Means for conditioning and supplying air to an internal combustion engine. 2,890,029, 6-9-59, Cl. 261-18.



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- Hicks, Thomas E.: See—  
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- Hicks, Walter R., to Centaur Products Corp. Sound recovering attachment for motion picture cameras. 2,911,882, 11-10-59, Cl. 88-16.2.
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- Hicks, William L. Vehicle tire ballast. 2,884,039, 4-28-59, Cl. 152-330.
- Hickson & Welch Ltd.: See—  
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- Hidalgo, Albert, Sr. Device for holding boards while being nailed. 2,877,983, 3-17-59, Cl. 254-17.
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- Hildebrandt, Hendrik A., to N.V. COQ. Gas-blast circuit breakers. 2,887,550, 5-19-59, Cl. 200-148.
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- Hidding, Walter E. Tube clamp. 2,908,476, 10-13-59, Cl. 251-8.
- Hidy, Phil H., W. F. Phillips, and R. L. Harned, to Commercial Solvents Corp. Process for recovery of antibiotic ampicillin. 2,902,480, 9-1-59, Cl. 260-211.5.
- Hieatt Engineering Co.: See—  
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- Hieber, Georg: See—  
Schenk, Karl. 2,876,099.
- Hiebert, Abraham G. Automatic cut-off stop for power saws. 2,892,474, 6-30-59, Cl. 143-168.
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- Hierling, William A., to Ortleby Co., Ltd. Trolling device. 2,884,213, 4-28-59, Cl. 248-42.
- Hieronymus, John W., to The Johnson Corp. Rotary joint syphon pipe assembly. 2,911,234, 11-3-59, Cl. 285-53.
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- Hiers, Victor H., to Hamilton Mfg. Co. Cabinet door construction or the like. 2,881,482, 4-14-59, Cl. 20-16.
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- Hiesinger, Leopold, to W. C. Heraeus, G.m.b.H. Diffusion pumps. 2,894,650, 7-14-59, Cl. 230-101.
- Hiett, Louis A.: See—  
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- Hiett, William S. Butt hinge and tenon mortiser. 2,870,804, 1-27-59, Cl. 144-27.
- Higbee, Wilmer L.: See—  
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- Higberg, Arthur L., to Yawman and Erbe Mfg. Co., Inc. Latch and lock mechanism for rocker type file cabinet. 2,875,011, 2-24-59, Cl. 312-218.
- Higberg, Arthur L., to Yawman and Erbe Mfg. Co., Inc. Rocking compartment file cabinet. 2,875,015, 2-24-59, Cl. 312-325.
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- Higdon, Louis B.: See—  
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- Higer, Harry. Loading platform for garbage disposal machine. 2,869,795, 1-20-59, Cl. 241-301.
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- Higgins, Jerree A. Anchor and skin protector for ileostomy bags. 2,877,768, 3-17-59, Cl. 128-283.
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- Higgins, Louis W.: See—  
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- Higgins, Lyman F. Animated toy. 2,918,752, 12-29-59, Cl. 46-131.
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- Clark, Benjamin F., Glipstein, Higgins, and Kippur. 2,919,291.
- Higgins, Raymond: See—  
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- Higgins, Thomas P.: See—  
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- Higgins, Walter A., and H. C. Lott. Warehouse pallets. 2,870,980, 1-27-59, Cl. 248-120.
- Higgs, Harold P., to General Instrument Corp. Transformer construction. 2,918,640, 12-22-59, Cl. 336-192.
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- Hig, Carl F., to Borg-Warner Corp. Fuel injection system. 2,888,002, 2-26-59, Cl. 123-140.
- Hig, Le Roy B., to The Udyllite Research Corp. Lime buffing compositions and method for reducing slaking thereof. 2,899,289, 8-11-59, Cl. 51-304.
- High, Robert L.: See—  
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- High Vacuum Equipment Corp.: See—  
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- Highland Container Co., Inc.: See—  
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- Highland, Olaf, and L. A. Chelmo. Fluid pressure line locking mechanism. 2,886,060, 5-12-59, Cl. 137-512.1.
- Higley, Wenford E.: See—  
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- High Standard Mfg. Corp., The: See—  
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- Sefried, Harry H., II, and Gunnesson. 2,869,268.
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- Emanuelson, Roy M. 2,887,583.
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- Gale, Alfred J. 2,907,884.
- Gale, Alfred J., and Connor. 2,897,036.
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- Hahn, Frederick S. 2,887,294.
- Hand, Eugene E. 2,885,599.
- Nygard, John C. 2,887,584.
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- Higley, Willard S.: See—  
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- Higonnet, René A.: See—  
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- Hilbert, Richard G., to Universal Winding Co. Method of manufacturing yarn and the product thereof. 2,895,285, 7-21-59, Cl. 57-140.
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- Hildebrandt, Lore A. K.: See—  
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- Hildreth, Myrna D.: See—  
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- Hilgert, Adolph J., to Baso Inc. Control apparatus. 2,916,676, 12-8-59, Cl. 317-165.
- Hilkemeler, Louis G., to Worthington Corp. Rotatable concrete mixing drum with improved discharge performance. 2,883,166, 4-21-59, Cl. 259-161.
- Hilkemeler, Louis G., to Worthington Corp. Support structure for a welding positioner. 2,899,197, 8-11-59, Cl. 269-204.
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- Hilkene, John A. Water level indicating gage for steam boilers. 2,871,700, 2-3-59, Cl. 73-328.
- Hilker, Annamary: See—  
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- Hilker, Erwin B.: See—  
Malsbary, James S., Hilker, and A. 2,871,373.
- Hill, Albert H. Metal awning. 2,883,719, 4-28-59, Cl. 20-57.5.
- Hill, Alfred B., to The American Oil Co. Corrosion inhibition in condensing exchangers. 2,911,351, 11-3-59, Cl. 208-47.
- Hill, Archie S., to The Western Union Telegraph Co. Facsimile phasing and repeating system. 2,914,607, 11-24-59, Cl. 178-6.6.
- Hill, Arlie D. Single pedal throttle and brake control for vehicles. 2,869,696, 1-20-59, Cl. 192-3.
- Hill, Arthur M., to Service Pipe Line Co. Scraper trap closure. 2,870,934, 1-27-59, Cl. 220-33.
- Hill, Charles H. Power driven work-engaging attachment for turret lathes. 2,892,386, 6-30-59, Cl. 90-11.
- Hill, Clarence W., and D. B. Hopkinson, to Saco-Lowell Shops. Roving frame builder mechanism. 2,870,597, 1-27-59, Cl. 57-96.
- Hill, Claude, to Harry Ferguson Research Ltd. Internal combustion engine. 2,914,045, 11-24-59, Cl. 123-41.72.
- Hill, Clifford W., and J. S. Kane, to Union Carbide Corp. Gas-shielded arc torches. 2,906,854, 9-29-59, Cl. 219-75.
- Hill Cross Co., Inc.: See—  
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- Hill, Cyril T., to Texas Gulf Sulphur Co. Production of iron chloride and sulfur. 2,895,796, 7-21-59, Cl. 23-87.
- Hill, Cyril T., to Texas Gulf Sulphur Co. Recovery of germanium tetrachloride. 2,895,797, 7-21-59, Cl. 23-87.
- Hill, David C., to Haskel Engineering Associates. Packing gland for a movable piston. 2,903,310, 9-8-59, Cl. 309-23.
- Hill, Dennis W., to Hvac Ltd. Cold-cathode gas-discharge tubes. 2,883,584, 4-21-59, Cl. 315-335.
- Hill, Donald F.: See—  
Halik, Raymond R., and Hill. 2,898,292.
- Hill, Donald F., to Socony Mobil Oil Co., Inc. Method for increasing catalyst on-stream time in a hydrogenation process. 2,899,383, 8-11-59, Cl. 208-143.
- Hill, Edward G.: See—  
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- Hill, Edward G., to Kelsey-Hayes Co. Booster brake mechanism. 2,875,582, 3-3-59, Cl. 60-54.6.
- Hill, Edward G., to Kelsey-Hayes Co. Deceleration responsive controlled booster brake mechanism. 2,876,044, 3-3-59, Cl. 303-24.
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- Hill, Edward H.: See—  
Caldwell, John R., and Hill. 2,899,412.
- Hill, Edward J. Pediatric urine collectors. 2,877,769, 3-17-59, Cl. 128-295.
- Hill, Erwin F.: See—  
Watts, John D., Lefevre, and Hill. 2,867,453.
- Hill, F. H. Co., Inc.: See—  
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- Hill, Francis A., 2nd. Sliding bulkhead transmission. 2,909,033, 10-20-59, Cl. 60-53.
- Hill, Frank A., to Librascope, Inc. Apparatus for sensing radioactivity. 2,871,366, 1-27-59, Cl. 252-83.6.
- Hill, Frank A., and A. J. Pankratz, to Librascope, Inc. General purpose connector card. 2,914,706, 11-24-59, Cl. 317-101.
- Hill, Frank R. Individual condiment containers. 2,893,618, 7-7-59, Cl. 229-17.
- Hill, Fred N., to Union Carbide Corp. Stabilized poly(ethylene oxide). 2,897,178, 7-28-59, Cl. 260-45.9.
- Hill, Frederick J., to International Minerals & Chemical Corp. Heating apparatus employing submerged secondary combustion chamber. 2,902,029, 9-1-59, Cl. 126-360.
- Hill, Frederick T.: See—  
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- Hill, George L. Fuse cutout. 2,877,320, 3-10-59, Cl. 200-114.
- Hill, George W., to Electric Steel Foundry Co. Tooth structure for trenchers and the like. 2,885,801, 5-12-59, Cl. 37-142.
- Hill, Gerald L. Traction device for vehicles. 2,912,035, 11-10-59, Cl. 152-216.
- Hill, Gideon D., S. S. Sharp, and D. E. Wolf, to E. I. du Pont de Nemours and Co. Process for controlling vegetation. 2,876,088, 3-3-59, Cl. 71-2.6.
- Hill, Gilman A., to Petroleum Research Corp. Oil recovery process. 2,896,719, 7-28-59, Cl. 166-42.
- Hill, H. H.: See—  
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- Hill, Harold, and A. J. Rudge, to Imperial Chemical Industries Ltd. Electrolytic fluorine manufacture. 2,879,212, 3-24-59, Cl. 204-60.
- Hill, Harvey J., to Roberts Mfg. Co. Carpet stretcher. 2,882,642, 4-21-59, Cl. 45-89.
- Hill, Henry C., to Boeing Airplane Co. Clutch-brake synchronizer mechanism for reversing gear. 2,883,021, 4-21-59, Cl. 192-18.



- Hill, Henry E., to Bell Telephone Laboratories, Inc. Call transmitter. 2,873,317, 2-10-59, Cl. 179-90.
- Hill, Henry H. Washing and sterilizing means for milking line valves. 2,888,028, 5-26-59, Cl. 137-240.
- Hill, Howard: See—  
Bennett, Herbert L., and Hill. 2,910,219.
- Hill, J. E.: See—  
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- Hill, James E.: See—  
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- Hill, James H., and W. C. Moser, to E. I. du Pont de Nemours & Co. Separation process using fly ash. 2,887,451, 5-19-59, Cl. 210-40.
- Hill, James M. Mobile curvable conveyors. 2,890,788, 6-16-59, Cl. 198-89.
- Hill, James S.: See—  
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- Hill, James T.: See—  
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- Hill, John A., to Olin Mathieson Chemical Corp. Pharmaceutical preparations. 2,918,411, 12-22-59, Cl. 167-82.
- Hill, John E.: See—  
Anderson, Clifford E. 2,908,883.
- Hill, John L. Tubular combined cartridge container and magazine unit. 2,882,635, 4-21-59, Cl. 42-17.
- Hill, John W., to The Globe Co. Filling machine horn. 2,871,508, 2-3-59, Cl. 17-41.
- Hill, John W., to The Globe Co. Apparatus for sealing containers. 2,886,816, 5-19-59, Cl. 1-177.
- Hill, John W., to The Globe Co. Grating material. 2,895,573, 7-21-59, Cl. 189-82.
- Hill, John W., to The Globe Co. Cable tray. 2,917,259, 12-15-59, Cl. 248-68.
- Hill, Joseph F. W. C. Whitcomb, and D. J. Van Horn, to Surface Combustion Corp. Take-up and latching device. 2,893,097, 7-7-59, Cl. 24-279.
- Hill, Joseph H. Fire escape device. 2,873,055, 2-10-59, Cl. 227-30.
- Hill, Kenneth M., and P. J. Lynskey, to Peter Spence & Sons Ltd. Continuous process for the manufacture of titanium metal. 2,890,953, 6-16-59, Cl. 75-84.5.
- Hill, Lester E., to Aladdin Industries, Inc. Magnetically enclosed coil. 2,867,894, 1-13-59, Cl. 29-155.56.
- Hill, Ludwig: See—  
Osswald, Philipp, Friedel, Arimont, and Hill. 2,919,184.
- Hill, Mark L., Jr.: See—  
Gottshall, Ralph I., and Hill. 2,905,541.  
Gottshall, Ralph I., and Hill. 2,905,542.
- Hill, Morton: See—  
Green, Martin, and Hill. 2,885,124.
- Hill, Olva E., to Norton Co. Grinding machine. 2,895,265, 7-21-59, Cl. 51-165.
- Hill, Olva E., to Norton Co. Grinding machine. 2,897,639, 8-4-59, Cl. 51-165.
- Hill, Olva E., to Norton Co. Grinding machine-truing apparatus. 2,900,974, 8-25-59, Cl. 125-11.
- Hill, Olva E., to Norton Co. Truing apparatus. 2,907,315, 10-6-59, Cl. 125-11.
- Hill, Philip: See—  
Fotis, Peter, Jr., Esmay, and Hill. 2,919,268.  
Wolff, William F., and Hill. 2,877,176.
- Hill, Ralph M., Jr.: See—  
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- Hill, Richard F. H., to Williams & Hill Ltd. Film recorder. 2,877,684, 3-17-59, Cl. 88-16.2.
- Hill, Robert A.: See—  
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Thomas, David F., and Hill. 2,900,918.  
Thomas, David F., and Hill. 2,905,096.
- Hill, Robert H., to Perfect Circle Corp. Brake means. 2,881,866, 4-14-59, Cl. 188-69.
- Hill, Robert L., to Morgan Packing Co., Inc. Machine for loading containers in a carton. 2,879,638, 3-31-59, Cl. 53-166.
- Hill, Robert W.: See—  
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Bull, Willard C., Cain, Spomer, Finkbeiner, and Hill. 2,911,400.  
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- Hill, Roy. Traller connections for vehicles. 2,888,275, 5-26-59, Cl. 280-420.
- Hill, Roy O., Jr.: See—  
Rouse, Benjamin P., Jr., and Hill. 2,899,316.
- Hill, Roy R., to Orendorf Mfg. Co. Two piece agricultural sweep. 2,882,983, 4-21-59, Cl. 172-730.
- Hill, Rutherford B., and D. B. Merrifield, to Monsanto Chemical Co. Butyl rubber and phosphorothioates. 2,906,731, 9-29-59, Cl. 260-45.75.
- Hill, Thomas J.: See—  
McBrayer, Manuel L., and Hill. 2,901,784.
- Hill, Walter P., to Aeroquip Corp. Tube bending machine having pressure and back up rams. 2,887,144, 5-19-59, Cl. 153-48.
- Hill, Wilbur G., General Aniline & Film Corp. Film tension control device. 2,886,257, 5-12-59, Cl. 242-75.5.
- Hill, William: See—  
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- Hillard, George O., Jr.: See—  
Segraves, William B., and Hillard. 2,895,979.
- Hillard, George O., Jr., and L. C. Kenyon, Jr., to Esso Research and Engineering Co. Vapor phase cracking of cyclopentadiene dimer. 2,913,504, 11-17-59, Cl. 260-666.
- Hillberg, Bror, to Superior Concrete Accessories, Inc. Concrete wall form. 2,904,870, 9-22-59, Cl. 25-131.
- Hillberg, Robert L., 1/2 to The High Standard Mfg. Corp., and 1/2 to Sears, Roebuck and Co. Gas operated firearm with gas piston surrounding a tubular magazine. 2,909,101, 10-20-59, Cl. 89-191.
- Hillegass, Kenneth P., to The Goodyear Tire & Rubber Co. Cam roller self-energizing disc brake. 2,900,051, 8-18-59, Cl. 188-72.
- Hilleman, Maurice R., and R. O. Taylor, to United States of America, Army. Mechanical tissue culture washer. 2,884,936, 5-5-59, Cl. 134-148.
- Hillenbrand, George C., to The Batesville Casket Co., Inc. Burial casket body construction. 2,867,029, 1-6-59, Cl. 27-6.
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- Hiller, Stanley, to Stanley Products Co. Method of dehydrating fish. 2,877,122, 3-10-59, Cl. 99-209.
- Hiller, Stanley. Apparatus for slicing solid materials. 2,909,201, 10-20-59, Cl. 146-108.
- Hiller, Stanley, and Q. R. Stauffer: said Stauffer assor. to said Hiller. Apparatus for contacting solids with gas. 2,880,524, 4-7-59, Cl. 34-102.
- Hilliard, Alfred, to Societe Le Carbone-Lorraine. Heat exchangers. 2,887,304, 5-19-59, Cl. 257-241.
- Hilliard, Perley A. Machine for coating candy centers. 2,868,158, 1-13-59, Cl. 118-24.
- Hilliard, William A.: See—  
Lucian, Arsene N., and Hilliard. 2,909,892.
- Hillier, Stanley K., to W. P. Hall Printing Co. Method of preregistering printing plates in multicolor printing. 2,894,454, 7-14-59, Cl. 101-211.
- Hillig, John E., to Reading Co. Remote stop-start system for diesel engine. 2,915,644, 12-1-59, Cl. 290-2.
- Hilligoss, Alfred A. Portable car port. 2,896,651, 7-28-59, Cl. 135-7.1.
- Hilliker, Frank T., to The Brunswick-Balke-Collender Co. Food service carts. 2,919,339, 12-29-59, Cl. 219-35.
- Hillis, Clinton D.: See—  
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- Hillis, John H.: See—  
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- Hillix, Foster F.: See—  
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- Hillix, Foster F., and S. L. Phillips, to Wedge Protectors, Inc. Method for producing composite cup-shaped articles. 2,876,724, 3-10-59, Cl. 113-116.
- Hillman, Conway D.: See—  
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- Hillman, Erwin: See—  
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- Hillman, John, to Ingersoll-Rand Co. Air operated water valve for rock drills. 2,882,861, 4-21-59, Cl. 121-10.
- Hillman, Malcolm E., 1/4 to A. G. Montgomery and 1/4 to H. B. Lloyd. Constant tension system. 2,889,502, 6-2-59, Cl. 318-6.
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- Hillman, Murray J., to Hycon Mfg. Co. On-and-off velocity servosystem. 2,905,876, 9-22-59, Cl. 318-327.
- Hillman, Murray J., and J. M. Hegarty, to Hoffman Electronics Corp. Pulse pair encoder circuits or the like. 2,890,025, 6-9-59, Cl. 250-27.
- Hillmann, Edmund J. Prefabricated miterless corner moulding. 2,915,794, 12-8-59, Cl. 20-74.
- Hillmann, Gunther. Process for making iodo derivatives of thyronine. 2,886,592, 5-12-59, Cl. 260-519.
- Hillmann, Paul, to VEB Zeiss Ikon Dresden. Shutter blade for photographic apparatus. 2,882,808, 4-21-59, Cl. 95-63.
- Hill-Rom Co., Inc.: See—  
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Darnell, Victor L., and Burst. 2,913,300.
- Hills, Bertha H. Writing paper support. 2,887,790, 5-26-59, Cl. 35-38.
- Hills Bros. Coffee, Inc.: See—  
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- Hills, Donald W., and O. K. Grimm, to Hipp Welding Works. Attachment for scraper. 2,897,615, 8-4-59, Cl. 37-145.
- Hills, Elmer G., 1/2 to Radion Corp. Double conversion multi-band tuning unit. 2,902,598, 9-1-59, Cl. 250-20.
- Hills, Fielding B., to Radio Corp. of America. Control means. 2,917,944, 12-22-59, Cl. 74-526.
- Hills, Joseph A. Perimeter measuring device. 2,888,750, 6-2-59, Cl. 33-141.
- Hills McCanna Co.: See—  
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- Hills (West Bromwich) Ltd.: See—  
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- Hillside Laboratory: See—  
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- Hillson, Frank. Inside corner insert for steel moulding. 2,884,669, 5-5-59, Cl. 20-74.
- Hillwick, Stanley L., and W. M. Cooper, to Economy Pest Control. Airborne seeder. 2,898,008, 8-4-59, Cl. 222-303.

- Hillyer, Curtis, to Stromberg Time Corp. Automatic information transmission. 2,918,654, 12-22-59, Cl. 340-150.
- Hillyer, John C., and L. O. Edmonds, to Phillips Petroleum Co. Process of hydroxylating 2,3,4,5-bis(Δ-butenylene) tetrahydrofurfural compounds, resulting product, and a resin formed therefrom. 2,886,556, 5-12-59, Cl. 260-67.
- Hillyer, John C., and J. T. Edmonds, Jr., to Phillips Petroleum Co. Process for reacting a diolefin and a furfural. 2,898,347, 8-4-59, Cl. 260-346.2.
- Hillyer, John C., and J. F. Wilson, to Phillips Petroleum Co. Removal of fluorides from industrial waste waters. 2,914,474, 11-24-59, Cl. 210-53.
- Hi-Lo TV Antenna Corp.: See—  
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- Hilpert, Conrad R., to Twin Disc Clutch Co. Speed ratio governor. 2,913,931, 11-24-59, Cl. 74-731.
- Hilpmann, Paul, to Mergenthaler Linotype Co. Matrix and assembling method for typographical composing machines. 2,917,159, 12-15-59, Cl. 199-32.
- Hilpmann, Paul, and W. A. Milanese, Jr., to Mergenthaler Linotype Co. Teletypesetter controlled mixer for typographical machine. 2,908,380, 10-13-59, Cl. 199-21.
- Hils, Karl, and H. J. Schwabhofer, to The Firma Fichtel & Sachs A.G. Bicycle hub dynamo. 2,882,427, 4-14-59, Cl. 310-47.
- Hilt, Martin, to Anstalt fur Montage-Technik. Setting device for use in the driving of nails or other pins. 2,895,135, 7-21-59, Cl. 1-47.
- Hilt, Martin. Stud driving device. 2,896,209, 7-28-59, Cl. 1-47.
- Hiltmann, Rudolf, F. Metzsch, and K. Kaemmerer, to Schenley Industries, Inc. 2-dihloweralkylamino-alkoxy-3-methylbenzoic acid esters. 2,914,552, 11-24-59, Cl. 260-471.
- Hilton, George H.: See—  
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- Hilton, Harry H., and A. F. Torrisi, to General Electric Co. Electrolytic capacitors with increased available capacitance. 2,871,426, 1-27-59, Cl. 317-230.
- Hilton, Laurence L.: See—  
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- Hilton, John L., to The Plessey Co. Ltd. Hydraulic flow control valve devices. 2,911,007, 11-3-59, Cl. 137-622.5.
- Hilton, Ralph. Paint brush. 2,912,711, 11-17-59, Cl. 15-244.
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- Hiltz, Arnold A., and E. G. Lendrat, to American Viscose Corp. Photopolymerization process. 2,880,152, 3-31-59, Cl. 204-158.
- Hiltz, Arnold A., and E. G. Lendrat, to American Viscose Corp. Photopolymerization process. 2,880,153, 3-31-59, Cl. 204-158.
- Hiltz, John P., Jr.: See—  
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- Hilzinger, Paul, III. Surgical control device for controlling operating means inserted into a body cavity. 2,905,178, 9-22-59, Cl. 128-303.
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- Himelick, Robert E.: See—  
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- Himmel, Leon, and H. F. Kuras, to International Telephone and Telegraph Corp. Broad band omni-polarized multiple antenna system with each antenna having individual detector and low frequency coupling network. 2,894,124, 7-7-59, Cl. 250-20.
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- Himmiller, Wesley. Refrigerator safety device. 2,892,425, 6-30-59, Cl. 169-63.5.
- Hinchcliff, Theodore H. Conveyor belt cleats. 2,875,887, 3-3-59, Cl. 198-199.
- Hinchliffe, Ernest D., and A. B. Woolley, to Hills (West Bromwich) Ltd. Glazed structures and glazing bars for use in such structures. 2,901,785, 9-1-59, Cl. 20-56.
- Hinchliffe, Winfred D. Supports. 2,917,257, 12-15-59, Cl. 248-40.
- Hinckley, Alfred A., and F. P. Del Guidice, to Metal Hydrides Inc. Method for preparing sodium aluminum hydride. 2,900,224, 8-18-59, Cl. 23-14.
- Hinckley, John N. Pumps having rotors and swinging arms. 2,882,828, 4-21-59, Cl. 103-42.
- Hindenburg, Eugene D., to Ideal Industries, Inc. Wire stripper. 2,889,728, 6-9-59, Cl. 81-9.5.
- Hindermann, Peter, H. P. Kollmer, and P. Trautzl, to J. R. Geigy, A.G. Anthraquinone dyestuffs. 2,870,173, 1-20-59, Cl. 260-373.
- Hinders, Henry R., and W. C. and E. J. Byers. Tractor operated rock remover. 2,908,409, 10-13-59, Cl. 214-147.
- Hindes, Lawrence W., H. S. Curtis, and J. R. Slemoneit, to Diamond Alkali Co. Preparation of easily friable crystalline substances by a melt casting process. 2,902,719, 9-8-59, Cl. 18-47.5.
- Hindin, Saul G., and H. Shalit, to Houdry Process Corp. Pretreatment of noble metal catalysts. 2,908,656, 10-13-59, Cl. 252-466.
- Hindle, Thomas. Flexible hinges. 2,879,580, 3-31-59, Cl. 28-78.
- Hindle, Thomas, and E. H. Hall. Long wearing papermakers' dryer-felt. 2,882,933, 4-21-59, Cl. 139-426.
- Hindle, Walter H., to The Chemstrand Corp. Process of bleaching polyacrylonitrile textiles with strong mineral acid pretreatment and then acidified sodium chlorite. 2,873,164, 2-10-59, Cl. 8-108.
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- Hindmarch, Thomas. Fluid pressure operated friction clutch. 2,869,702, 1-20-59, Cl. 192-85.
- Hindmarch, Thomas. Fluid pressure operated brake structure. 2,885,031, 5-5-59, Cl. 188-72.
- Hindmarch, Thomas. Safety coupling for power transmission mechanisms. 2,891,645, 6-23-59, Cl. 192-87.
- Hindmarch, Thomas. Fluid pressure operated friction clutches. 2,916,122, 12-8-59, Cl. 192-85.
- Hinds, George E.: See—  
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- Hines, Claude M., to Westinghouse Air Brake Co. Air supply arrangement for air spring suspension system of railway cars. 2,918,332, 12-22-59, Cl. 303-22.
- Hines Flask Co., The: See—  
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Hines, Russell J. 2,870,500.  
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- Hines, Frank F., to Baldwin-Lima-Hamilton Corp. Temperature compensated gage. 2,913,691, 11-17-59, Cl. 338-3.
- Hines, Frank F., and J. F. McGrath, Jr., to Baldwin-Lima-Hamilton Corp. Low-friction load-transmitting flexible joint. 2,868,570, 1-13-59, Cl. 287-85.
- Hines, John E., Jr.: See—  
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- Hines, John K., and J. E., Jr. 2,897,602.
- Hines, John K., and J. E., Jr. Portable grain dryer. 2,897,602, 8-4-59, Cl. 34-63.
- Hines, Marion E.: See—  
Cooper, Howard G., Jr., and Hines. 2,884,559.
- Hines, Paul, to Raytheon Mfg. Co. Microwave antennas. 2,870,441, 1-20-59, Cl. 343-781.
- Hines, Robert S. Fishing sinker. 2,917,861, 12-22-59, Cl. 43-44.96.
- Hines, Russell J., to The Hines Flask Co. Method and apparatus for making sand molds for castings. 2,867,870, 1-13-59, Cl. 22-129.
- Hines, Russell J., to The Hines Flask Co. Molding apparatus. 2,870,500, 1-27-59, Cl. 22-110.
- Hines, Russell J., to The Hines Flask Co. Foundry flask with resilient for retaining band member. 2,874,425, 2-24-59, Cl. 22-106.
- Hines, Russell J., to The Hines Flask Co. Method for making sand molds for castings. 2,900,686, 8-25-59, Cl. 22-197.
- Hines, Russell J., to The Hines Flask Co. Foundry flask. 2,915,796, 12-8-59, Cl. 22-107.
- Hines, William D. Suckling and farrowing crate. 2,881,734, 4-14-59, Cl. 119-20.
- Hines, William R. Wheel traction device. 2,886,091, 5-12-59, Cl. 152-228.
- Hings, Donald L. Directional antenna array. 2,875,438, 2-24-59, Cl. 343-733.
- Hings, Donald L. Directional antenna. 2,886,813, 5-12-59, Cl. 343-819.
- Hinkamp, James B., and H. R. Dittmar, to Ethyl Corp. Diesel fuel. 2,912,313, 11-10-59, Cl. 44-57.
- Hinkel, Artur: See—  
Kocks, Friedrich, and Hinkel. 2,873,344.
- Hinkle, Barton L.: See—  
Orr, Clyde, Jr., and Hinkle. 2,909,960.
- Hinkley, David F., 1/2 to M. Solotorovskiy. Self-dissolving instant coffee tablets. 2,889,226, 6-2-59, Cl. 99-66.
- Hinks, William L. Static load bearings. 2,900,182, 8-18-59, Cl. 267-57.1.
- Hinlicky, John A.: See—  
Kirshenbaum, Isidor, and Hinlicky. 2,903,418.
- Hinman, Jack W.: See—  
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De Boer, Clarence, and Hinman. 2,909,464.  
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- Hinman, Wilbur S., Jr., to United States of America, Army. Sequential filled reserve battery. 2,886,621, 5-12-59, Cl. 136-90.



- Hinman, Wilbur S., Jr., to United States of America, Navy. Electrical arming circuit. 2,897,759, 8-4-59, Cl. 102-70.2.
- Hinsdale, Edwin M., Jr., to Radio Corp. of America. Color television. 2,877,294, 3-10-59, Cl. 178-5.4.
- Hinsdale, Edwin M., Jr., and F. B. Smith, Jr., to Radio Corp. of America. Color television receivers. 2,898,399, 8-4-59, Cl. 178-5.4.
- Hinsdale, James G., to Lear, Inc. Transistor phase discriminator. 2,897,379, 7-28-59, Cl. 307-88.5.
- Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 2,872,830, 2-10-59, Cl. 74-540.
- Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 2,881,637, 4-14-59, Cl. 74-531.
- Hinsey, Robert S., to The Bingham-Herbrand Corp. Mechanism control. 2,897,686, 8-4-59, Cl. 74-540.
- Hinsey, Robert S., and N. N. Fender, to The Bingham-Herbrand Corp. Foot actuated mechanism control. 2,915,916, 12-8-59, Cl. 74-531.
- Hinson, Jay B. Cigarette extinguisher and ash receptacle unit. 2,868,213, 1-13-59, Cl. 131-237.
- Hinton, Alan V. Bird cage. 2,914,022, 11-24-59, Cl. 119-17.
- Hinton, Maitland J. G., to Nagard Ltd. Astable multivibrators. 2,904,756, 9-15-59, Cl. 331-144.
- Hinton, Raymond C. P., and F. W. Warden, to International Standard Electric Corp. Party line electrical communication systems. 2,868,869, 1-13-59, Cl. 178-2.
- Hinton, Raymond C. P., and B. Dzula, to International Telephone and Telegraph Corp. Calling station identification. 2,894,069, 7-7-59, Cl. 179-8.5.
- Hinton, Robert H.: See—
- Ogles, Ethridge F. and J. C. 2,896,544.
- Hinton, W. H.: See—
- Ogles, Ethridge F. and J. C. 2,896,544.
- Hintze, Alma J., and M. C. Klaus, to Phillips Petroleum Co. Shot hole protective device. 2,871,785, 2-3-59, Cl. 102-22.
- Hintze, Rudolf, to Stempel-Hermetik G.m.b.H. Motor-compressor. 2,883,099, 4-21-59, Cl. 230-58.
- Hintze, Rudolf, to Stempel-Hermetik G.m.b.H. Vibration reducing supporting arrangement. 2,894,678, 7-14-59, Cl. 230-53.
- Hintzman, John L., J. C. Hoagland, and E. Prono, to North American Aviation, Inc. Butterfly valve and seal. 2,893,682, 7-7-59, Cl. 251-173.
- Hintzmann, Karl: See—
- Schnell, Hermann, Nentwig, Hintzmann, Ralehle, and Bledermann. 2,917,468.
- Hintzmann, Karl, and M. Kramer, to Farbenfabriken Bayer Akt. Water-soluble organic copper compounds. 2,886,580, 5-12-59, Cl. 260-438.
- Hinz, Ronald W.: See—
- Young, George A., Jr., Underdahl, Hinz, and Silbernick. 2,881,733.
- Hinz, Otto C. Improved industrial woven wire belts. 2,908,065, 10-13-59, Cl. 28-78.
- Hinze, Otto. Upper chord locking device for falsework carriers. 2,905,284, 9-22-59, Cl. 189-37.
- Hinze, Otto. Adjustable girder. 2,909,253, 10-20-59, Cl. 189-37.
- Hipp, Augusta F. Clothes supporting attachment for ironing boards. 2,869,259, 1-20-59, Cl. 38-106.
- Hipp, Welding Works: See—
- Hills, Donald W., and Grimm. 2,897,615.
- Hipple, George M., to American Brake Shoe Co. Control valve having constant volume output features. 2,888,943, 6-2-59, Cl. 137-106.
- Hirak, Joseph J. Floor washing machines. 2,874,397, 2-24-59, Cl. 15-51.
- Hirakawa, Yotaro: See—
- Terayama, Denzaburo, Matsubara, Hayashi, and Hirakawa. 2,874,665.
- Hirata, Yasuhiro. Bronchus seaming instrument. 2,891,250, 6-23-59, Cl. 1-50.
- Hiratsuka, Kizo, E. Yonemitsu, T. Itabashi, K. Ishikawa, S. Date, and K. Kelmatsu. Process for the acid decomposition of organic hydroperoxides. 2,889,368, 6-2-59, Cl. 260-593.
- Hirdler, Fairbanks C., Jr., to Turco Products, Inc. Method for removing metal from the surface of a metal object. 2,869,266, 1-20-59, Cl. 41-42.
- Hirdler, Fairbanks C., Jr., to Turco Products, Inc. Process of removing material from a work piece. 2,883,275, 4-21-59, Cl. 41-43.
- Hirose, Katsuburo. Process for debittering soybeans. 2,901,353, 8-25-59, Cl. 99-98.
- Hirs, Gene. Filter apparatus. 2,867,324, 1-6-59, Cl. 210-97.
- Hirs, Gene. Filter apparatus. 2,867,325, 1-6-59, Cl. 210-97.
- Hirs, Gene. Filter apparatus. 2,867,326, 1-6-59, Cl. 210-104.
- Hirs, Gene. Filter apparatus. 2,867,327, 1-6-59, Cl. 210-106.
- Hirsbrunner, Hans-Rudolf, to J. R. Geigy, A.G. Process for the dyeing of wool. 2,903,324, 9-8-59, Cl. 8-43.
- Hirsch, Andre, B. M. Gibbs, and B. D. Hemmings, to Lever Brothers Co. Protein food products and their preparation. 2,919,192, 12-29-59, Cl. 99-14.
- Hirsch, George, to Brevet Products Corp. Split drive units. 2,908,831, 10-13-59, Cl. 310-68.
- Hirsch, George B. Vehicle curb parking device. 2,906,355, 9-29-59, Cl. 180-1.
- Hirsch, Homer C. Rigidized electrolytically formed metal sheets. 2,878,333, 3-24-59, Cl. 29-130.
- Hirsch, James C., and K. B. Block, to Klauber Games, Inc. Ping-pong table assembly. 2,911,217, 11-3-59, Cl. 273-30.
- Hirsch, Joel H., and J. McAfee, to Gulf Research & Development Co. Fluidized process and apparatus for the transfer of solids in a fluidized system. 2,892,773, 6-30-59, Cl. 208-213.
- Hirsch, Joseph, to Aerophysics Development Corp. Launching control device. 2,867,153, 1-6-59, Cl. 87-1.7.
- Hirsch, Joseph. Stiffener and stabilizer for supersonic vehicles. 2,899,899, 8-18-59, Cl. 102-49.
- Hirsch, Leopold. Disengaging device for glass-holding strips. 2,895,216, 7-21-59, Cl. 29-256.
- Hirsch, Marvin E.: See—
- Ollig, John L., Hirsch, Miller, and Westerholm. 2,909,781.
- Hirsch, Richard A.: See—
- Detamore, Harold H., and Hirsch. 2,876,848.
- Ditmer, Clyde A., and Hirsch. 2,891,627.
- Hendrix, Sylvan G., Hirsch, and McDonald. 2,888,992.
- Hirsch, Richard A., J. R. Mansfield, and H. N. Nelson, to General Motors Corp. Propeller mechanical pitch lock and low pitch stop assembly. 2,882,975, 4-21-59, Cl. 170-160.32.
- Hirsch, Robert L., C. F. Miller, and A. Bellin, to Aerojet-General Corp. Method of restricting the burning of a solid propellant charge. 2,917,424, 12-15-59, Cl. 154-117.
- Hirsch, Sylvan R.: See—
- Kelr, Alexander J., and Hirsch. 2,867,376.
- Hirsch, Ursula: See—
- McCormick, Jerry R. D., Hirsch, Jensen, and Sjolander. 2,878,289.
- Hirsch, Wilbert. Cover for electric wiring and outlet. 2,916,733, 12-8-59, Cl. 340-280.
- Hirschberg, Theodore B., Jr.: See—
- Jagger, Hubert. 2,878,749.
- Little, Alfred E. 2,869,456.
- Hirschev, Malcolm: See—
- Gottseho, Ira S., and Hirschev. 2,874,499.
- Gottseho, Ira S., and Hirschev. 2,887,952.
- Gottseho, Ira S., Hirschev, and Alessi. 2,901,968.
- Gottseho, Ira S., Hirschev, and Alessi. 2,901,972.
- Hirschev, Malcolm, to Adolph Gottseho, Inc. Marking apparatus. 2,880,669, 4-7-59, Cl. 101-35.
- Hirschev, Malcolm, to Adolph Gottseho, Inc. Rotary marking apparatus. 2,910,937, 11-3-59, Cl. 101-228.
- Hirschev, Malcolm, to Adolph Gottseho, Inc. Marking apparatus. 2,915,964, 12-8-59, Cl. 101-44.
- Hirschev, Malcolm, I. S. Gottseho, and A. J. Alessi, Jr., to Adolph Gottseho, Inc. Marking apparatus. 2,879,711, 3-31-59, Cl. 101-44.
- Hirschev, Malcolm, and A. J. Alessi, Jr., to Adolph Gottseho, Inc. Marking apparatus. 2,889,767, 6-9-59, Cl. 101-35.
- Hirschhorn, Isidor S., to New Process Metals, Inc. Means for producing flint rods. 2,873,489, 2-17-59, Cl. 22-1.
- Hirschhorn, Isidor S., and T. H. Briggs, to New Process Metals, Inc. Getter material. 2,890,367, 6-9-59, Cl. 313-308.
- Hirschler, Alfred E., to Sun Oil Co. Cracking a hydrocarbon oil with a silica-alumina-chromium oxide-beryllium oxide catalyst composite. 2,867,578, 1-6-59, Cl. 208-120.
- Hirschler, Alfred E., to Sun Oil Co. Process for improving the quality of catalytic gasoline. 2,890,997, 6-16-59, Cl. 208-93.
- Hirschler, Alfred E., to Sun Oil Co. Treatment of oxidation products with solid adsorbents. 2,905,704, 9-22-59, Cl. 260-452.
- Hirschler, Alfred E., and E. J. Janoski, to Sun Oil Co. Catalyst and hydrocarbon conversion therewith. 2,887,450, 5-19-59, Cl. 208-120.
- Hirschler, Alfred E., and E. J. Janoski, to Sun Oil Co. Silica-alumina-chromium phosphate catalyst and hydrocarbon cracking therewith. 2,897,134, 7-28-59, Cl. 208-111.
- Hirschmann, Ralph F., to Merck & Co., Inc. Antihemorrhagic compounds and processes for preparing the same. 2,913,477, 11-17-59, Cl. 260-461.
- Hirschmann, Ralph F., and R. Miller, to Merck & Co., Inc. 9a-fluoro- $\Delta^4$ -3,20-diketo-11,21-bis-oxygenated-17-hydroxy-allopregnanes and processes for preparing them. 2,883,412, 5-5-59, Cl. 260-397.45.
- Hirschmann, Ralph F., N. L. Wendler, and R. Miller, to Merck & Co., Inc. Production of dihydrovitamin K. 2,906,780, 9-29-59, Cl. 260-625.
- Hirschy, Harlan W., C. H. Rowe, and K. J. Harwood, to Kimberly-Clark Corp. Absorbent wiping sheet. 2,902,395, 9-1-59, Cl. 154-46.
- Hirsh, Donald H.: See—
- Montagna, Amelio E., and Hirsh. 2,905,722.
- Hirsh, S. A. Mfg. Co.: See—
- Bellon, Ralph J., and Ferdinand. 2,908,486.
- Ferdinand, Irwin J., and Bellon. 2,889,186.
- Ferdinand, Irwin J., and Handler. 2,895,241.
- Hirsh, Stanley A., to Bulova Research and Development Laboratories, Inc. Frequency adjustment plating control. 2,906,235, 9-29-59, Cl. 118-8.
- Hirshon, Jack M.: See—
- Rhodes, Harrison B., Pesold, and Hirshon. 2,890,099.

- Hirst, Archie J., to Metalastik Ltd. Spring suspension for multi-wheel road-vehicle bogies. 2,872,207, 2-3-59, Cl. 280-104.5.
- Hirst, Archie J., and K. J. B. Clark, to Metalastik Ltd. Resilient supports. 2,891,744, 6-23-59, Cl. 248-9.
- Hirst, Harry. Eaves vents. 2,885,942, 5-12-59, Cl. 98-37.
- Hirst, Sydney: See—
- Briggs, John C. 2,896,135.
- Hirsty, Sylvain M., to E. I. du Pont de Nemours and Co. Polychloroprene elastomers. 2,868,764, 1-13-59, Cl. 260-45.8.
- Hirt, Gerald E., and R. M. Strickland, Jr., to The Talco Engineering Co. Dispenser for volatile fluids. 2,878,965, 3-24-59, Cl. 222-5.
- Hirt, Gerald E., and E. A. Martino, to Talco Engineering Co., Inc. Ejection seat catapult. 2,900,150, 8-18-59, Cl. 244-122.
- Hirt, Otto: See—
- Westinger, Karl, Altenburger, and Hirt. 2,880,933.
- Westinger, Karl, Altenburger, and Hirt. 2,905,381.
- Hirtner, Paul J. Spring loaded terminal seal for sealed refrigeration compressors. 2,900,438, 8-18-59, Cl. 174-153.
- Hirtreiter, Walter J. Amplifier control apparatus. 2,886,657, 5-12-59, Cl. 179-171.
- Hirvonen, Eric J., to Leland-Gifford Co. Tool post. 2,878,705, 3-24-59, Cl. 82-36.
- Hirvonen, Eric J., to Leland-Gifford Co. Hydraulic tracing apparatus. 2,882,777, 4-21-59, Cl. 82-14.
- Hirzel, Edgar A., to The Goodyear Tire & Rubber Co. Brake having automatic torque controlling means. 2,917,135, 12-15-59, Cl. 188-181.
- Hiscock, Grace S. Method of making individualized dress forms and dress form construction. 2,894,668, 7-14-59, Cl. 223-68.
- Hiser, Willard U.,  $\frac{1}{2}$  to H. A., and  $\frac{1}{2}$  to C. D. Anderson. Tractor hitch or the like. 2,906,546, 9-29-59, Cl. 280-482.
- Hiser, William H. Display stand for boats. 2,898,067, 8-4-59, Cl. 248-176.
- Hiserman, Russell L., Jr., to United States of America, Navy. Photographic processing machine. 2,912,915, 11-17-59, Cl. 95-94.
- Hi-Shear Rivet Tool Co.: See—
- Wing, George S. 2,882,773.
- Hiskey, Clarence F., to United States of America, Atomic Energy Commission. Dehydration of deuterium oxide slurries. 2,877,091, 3-10-59, Cl. 23-14.5.
- Hiskey, Clarence F., and J. A. Lamoureux, to Transition Metals & Chemicals, Inc. Continuous process for metal-thermic reactions. 2,889,218, 6-2-59, Cl. 75-27.
- Hislop, Theodore W.: See—
- Vaughan, James L. B., Hislop, and Hanna. 2,890,136.
- Vaughan, James L. B., Hislop, and Hanna. 2,890,137.
- Hi-Speed Checkweigher Co., Inc.: See—
- Del Rosso, Victor. 2,907,443.
- Hitachi Ltd.: See—
- Kurita, Kentaro. 2,905,911.
- Hitch, Paul E., and J. W. Walsh, to General Motors Corp. Cooling system for fluid operated brake. 2,899,026, 8-11-59, Cl. 188-264.
- Hitchcock, Forest B.: See—
- Preston, Neil D., and Hitchcock. 2,914,662.
- Hitchcock, Frederick J. Height gauging instrument. 2,882,606, 4-21-59, Cl. 33-172.
- Hitchcock, John H., to Morgan Construction Co. Shear. 2,868,292, 1-13-59, Cl. 164-66.
- Hitchcock, John H., to Morgan Construction Co. Continuous wire-drawing machine. 2,909,275, 10-20-59, Cl. 203-14.
- Hitchcock, Paul C.: See—
- Salzer, Erwin, and Hitchcock. 2,882,521.
- Hitchcock, Richard C., and E. V. Weir, to Syntrol Co. Voltage and current battery charging and discharging control circuits. 2,869,065, 1-13-59, Cl. 320-18.
- Hitchcock, William J., to United States of America, Air Force. Salt crystal-to-glass seal. 2,915,153, 12-1-59, Cl. 189-36.5.
- Hitchens, Aaron L., and E. Czapek, to Olin Mathieson Chemical Corp. Ammunition. 2,915,972, 12-8-59, Cl. 102-42.
- Hitchings, George H., and G. B. Ellison. 2-amino-6-mercaptopurine. 2,884,667, 5-5-59, Cl. 260-252.
- Hitchings, George H., and B. Roth, to Burroughs Wellcome & Co. (U.S.A.) Inc. Dihydrotriazines with antelmintic properties. 2,897,116, 7-28-59, Cl. 167-65.
- Hitchings, George H., and B. Roth, to Burroughs Wellcome & Co. (U.S.A.) Inc. Trialkoxybenzylpyrimidines and method. 2,909,522, 10-20-59, Cl. 260-256.4.
- Hitchner, Stephen B., to American Scientific Laboratories, Inc. Methods for administering vaccine to fowl. 2,910,407, 10-27-59, Cl. 167-78.
- Hitchner, William G., to Kimble Glass Co. Method and apparatus for inspecting glass spheres. 2,905,321, 9-22-59, Cl. 209-115.
- Hittorp Wires, Inc.: See—
- Greyson, William L. 2,888,367.
- Hittov Joseph J.: See—
- Heyl, Edgar G., and Hittov. 2,885,105.
- Rainer, William C., Redding, Hittov, Sloan, and Stewart. 2,877,500.
- Rainer, William C., Redding, Hittov, Sloan, and Stewart. 2,878,174.
- Rainer, William C., Redding, Hittov, Sloan, and Stewart. 2,904,480.
- Hitt, George F.: See—
- Cook, Chester K., and Hitt. 2,879,816.
- Hitt, George F. Self seating key. 2,894,772, 7-14-59, Cl. 287-52.05.
- Hitt, Otis D., and R. S. Short, to The Aro Equipment Corp. Pneumatic drill. 2,881,589, 4-14-59, Cl. 60-97.
- Hittell, John. Fuel injection. 2,914,053, 11-24-59, Cl. 123-139.
- Hittlich, Gabriel A., to The Dow Chemical Co. Assemblies of extended surface elements for gas-liquid contact apparatus. 2,917,292, 12-15-59, Cl. 261-7.
- Hitzelberger, Erwin, to Daimler-Benz Akt. Door lock. 2,896,988, 7-28-59, Cl. 292-83.
- Hitzeman, Roger L.: See—
- Roup, Roland R., Hitzeman, Taylor, and Beard. 2,905,564.
- Hitzman, Donald O., to Phillips Petroleum Co. Prospecting for petroleum deposits. 2,880,142, 3-31-59, Cl. 195-103.5.
- Hitzman, Donald O., to Phillips Petroleum Co. Recovery of oil from oil sands and the like. 2,907,389, 10-6-59, Cl. 166-8.
- Hitzman, Donald O., to Phillips Petroleum Co. Bactericidal composition comprising tetra alkyl quaternary ammonium halide and hydrogen peroxide. 2,917,428, 12-15-59, Cl. 167-22.
- Hivac Ltd.: See—
- Hill, Dennis W. 2,883,584.
- Hivert, André, and S. Tacvorian, to Office National d'Etudes et de Recherches Aeronautiques. Method of producing powder metals. 2,881,067, 4-7-59, Cl. 75-3.
- Hi-Voltage Equipment Co.: See—
- Luehring, Elmer L., and Poe. 2,915,611.
- Hi-Voltage Equipment Co., a division of Joslyn Mfg. and Supply Co.: See—
- Hittenhouse, Joseph W., and Luehring. 2,918,568.
- Hixon, George M., to Trego, Inc. Cable connector. 2,900,617, 8-18-59, Cl. 239-265.
- Hixon, Philip E., and E. E. White, to White-Hixon Laboratories Inc. Photographic print basket. 2,892,393, 6-30-59, Cl. 95-100.
- Hixon, Philip E., and E. E. White, to White-Hixon Laboratories Inc. Print basket. 2,892,394, 6-30-59, Cl. 95-100.
- Hixson, William F. Pipe pushing machine. 2,915,282, 12-1-59, Cl. 254-29.
- Hizsa, George, Jr. Friction-braked hinge assemblies. 2,872,697, 2-10-59, Cl. 16-142.
- Hjalsten, John A., to Sandvikens Jernverks Aktiebolag. Per-cussion drill bit for large holes. 2,884,227, 4-28-59, Cl. 355-64.
- Hjörpe, Eric G., to Aktiebolaget Svenska Kullagerfabriken. Pneumatic liquid pressure pump. 2,890,658, 6-16-59, Cl. 103-49.
- Hjelm, Arvid, and F. K. Knutsson-Hall. Device for filling matches into boxes. 2,871,637, 2-3-59, Cl. 33-26.
- Hjelmstrom, Irving E., and J. B. Catlett, to Curtiss-Wright Corp. Belt abrading machines. 2,883,804, 4-28-59, Cl. 51-141.
- Hjermstad, Hans U., to Electro-Seal Corp. Lens for signal lights. 2,907,249, 10-6-59, Cl. 88-78.
- Hjullian, Julius A., to Crane Co. Aerator. 2,888,209, 5-26-59, Cl. 239-430.
- Hlavac, Emil F. Bracelet attaching device. 2,896,890, 7-28-59, Cl. 248-122.
- Hlavacek, Robert J., to Swift & Co. Color stabilizers for tallow. Re. 24,669, 7-21-59, Cl. 260-398.5.
- Hlinsky, Emil J., to Goodman Mfg. Co. Vibration damping gear. 2,880,599, 4-7-59, Cl. 64-27.
- Hlinsky, Emil J., to Goodman Mfg. Co. Boring type mining machine with adjustable boring head. 2,882,031, 4-14-59, Cl. 262-77.
- Hlinsky, Emil J., to Goodman Mfg. Co. Continuous miner for pitching seams having an angularly adjustable trimmer bar. 2,907,558, 10-6-59, Cl. 262-7.
- Hlinsky, William. Screw driver with screw holding means. 2,905,215, 9-22-59, Cl. 145-52.
- Hmiel, Stanley E., to Koppers Co., Inc. Stable polyethylene dispersion containing no emulsifying agent and method of coating therewith. 2,898,233, 8-4-59, Cl. 117-103.
- Hnat, Stephen: See—
- Davis, Roderic A., Gustafson, and Hnat. 2,880,932.
- Hnilicka, Milo P., Jr., and J. L. Vaughan, to National Research Corp. Production of metals. 2,880,987, 4-7-59, Cl. 266-9.
- Hoadley, Henry H., to United Aircraft Corp. Surface cooling means for aircraft. 2,908,455, 10-13-59, Cl. 244-117.
- Hoadley, James C., and D. O. McCoy. Unilateral transmission circuits. 2,874,287, 2-17-59, Cl. 250-27.
- Hoag, Nelson E.: See—
- Henderson, J. Alvin, and Hoag. 2,913,610.
- Hoag, Paul B. Seat construction. 2,875,819, 3-3-59, Cl. 155-180.
- Hoag, Roderick W. Commodity packets. 2,895,606, 7-21-59, Cl. 206-56.
- Hoag, William G., and R. C. Liem, to General Motors Corp. Window guide mechanism. 2,893,781, 7-7-59, Cl. 296-44.5.
- Hoagland, Jack C.: See—
- Hintzman, John L., Hoagland, and Prono. 2,893,682.
- Hoagland, Kenneth A., to Allen B. Du Mont Laboratories, Inc. Electrostatic electron lens. Re. 24,673, 7-28-59, Cl. 315-16.



- Hoaglin, Raymond I., W. J. Reid, and R. G. Kelso, to Union Carbide Corp. Vinyl chloride compositions containing alkyl-1,5-pentanediol polyesters. 2,909,499, 10-20-59, Cl. 260-31.6.
- Hoaglin, Raymond I., H. C. Schultze, and C. E. Hodges, to Union Carbide Corp. Process for the production of aliphatic nitriles. 2,910,502, 10-27-59, Cl. 260-465.2.
- Hoaglund, John R. Water-powered and water-cleansed garbage grinder. 2,902,225, 9-1-59, Cl. 241-42.
- Hoare, Michael F.: See—  
Fowler, Benjamin T., Hoare, and Krischal. 2,911,368.
- Hoback, Dale: See—  
Hull, Maurice E., Lucasey, and Hoback. 2,897,083.
- Hoback, James E. Fuel distributor for internal combustion engines. 2,884,006, 4-28-59, Cl. 137-625.11.
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- Hobart Brothers Co., The: See—  
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- Hobert, Edward A., Schober, and Blankenbuehler. 2,892,478.
- Hobart, Edward A., W. R. Schober, and J. H. Blankenbuehler, to The Hobart Brothers Co. Method and apparatus for welding. 2,882,478, 4-14-59, Cl. 321-25.
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- Allen, Kenneth C., and Reussenzehn. 2,880,643.
- Fox, Gerald B. 2,884,935.
- Fox, Gerald B., and Thomas. 2,880,941.
- Meeker, David A., and Geiger. 2,879,026.
- Reussenzehn, Ernest A., and Goldberg. 2,906,233.
- Hobbs, Charles A.: See—  
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- Hobbs, Charles A. Mine firing control system. 2,899,896, 8-18-59, Cl. 102-18.
- Hobbs, George W., and A. B. Levine, to General Electric Co. Radix converter. 2,907,525, 10-6-59, Cl. 235-155.
- Hobbs, Howard F., to Hobbs Transmission Ltd. Fluid pressure control apparatus for variable ratio power transmission apparatus. 2,879,796, 3-31-59, Cl. 137-622.
- Hobbs, Howard F., to Hobbs Transmission Ltd. Variable-ratio power transmission. 2,887,198, 5-19-59, Cl. 192-072.
- Hobbs, Howard H., to Food Machinery and Chemical Corp. Animal feeding apparatus. 2,914,024, 11-24-59, Cl. 119-54.
- Hobbs, James C., assor. of an undivided interest to United States of America, Atomic Energy Commission. Remote controlled switching device. 2,872,545, 2-3-59, Cl. 200-92.
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- Hobbs, Kenneth C., to Corn Products Co. Starch and process therefor. 2,884,347, 4-28-59, Cl. 127-71.
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- Spielberg, Arnold M., Guerber, and Hobbs. 2,907,010.
- Sublette, Ivan H., Beard, Bensky, Hobbs, and Fillebrown. 2,877,446.
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- Hobbs, Milton M., to Westinghouse Electric Corp. Overspeed control apparatus. 2,877,783, 3-17-59, Cl. 137-31.
- Hobbs, Oliver K. Cultivator for peanuts and the like. 2,882,982, 4-21-59, Cl. 172-522.
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- Hobbs Transmission Ltd.: See—  
Hobbs, Howard F. 2,879,796.
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- Hobbs, William M., W. J. Harper, and J. D. Meess, to United States of America, Air Force. Fluid valve. 2,916,252, 12-8-59, Cl. 251-129.
- Hobbs, William S. Unburned fuel detection and burner control. 2,874,763, 2-24-59, Cl. 158-28.
- Hobday, Stephen W. Hydrofoil watercraft. 2,890,671, 6-16-59, Cl. 114-66.5.
- Hobelman, Joseph M.: See—  
Thornburgh, John A., and Hobelman. 2,879,980.
- Hoberecht, Fred A. Grinding machine. 2,902,800, 9-8-59, Cl. 51-219.
- Hoberg, George G.: See—  
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- Hoberg, George G., W. R. Lonergan, R. B. Thornley, R. J. Williams, and D. L. Stevens, to Burroughs Corp. Format control for high speed printers. 2,918,658, 12-22-59, Cl. 340-174.
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- Hobin, Martin A., to Kaweck Chemical Co. Recovery of selenium. 2,889,206, 6-2-59, Cl. 23-209.
- Hoblit, Louis D.: See—  
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- Hobrough, Gilbert L., to The Photographic Survey Corp. Ltd. Altitude sensing device. 2,901,909, 9-1-59, Cl. 73-384.
- Hobson, Charles W., to N. Hobson. Adjustable bracket supports for display and other purposes. 2,872,144, 2-3-59, Cl. 248-223.
- Hobson, Eric D., to Yarrow and Co. Ltd. Oil purification or separation plant. 2,895,883, 7-21-59, Cl. 196-46.
- Hobson, Eric D., to Yarrow and Co. Ltd. System of fluid fuel supply for multiple burner operation. 2,902,086, 9-1-59, Cl. 158-36.
- Hobson, Eric D., to Yarrow and Co. Ltd., and Andre Rubber Co. Ltd. Water cooling systems for steam condenser units of marine steam propulsion installations. 2,902,965, 9-8-59, Cl. 114-185.
- Hobson, H. M., Ltd.: See—  
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- Hobson, Lloyd L. Partition device. 2,884,154, 4-28-59, Cl. 220-22.
- Hobson, Nancy: See—  
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- Hobson, William J. Constructional toy. 2,909,867, 10-27-59, Cl. 46-25.
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- Hoch, Paul E.: See—  
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- Hochberg, Jerome, E. I. du Pont de Nemours and Co. Article of manufacture and process of making same. 2,907,677, 10-6-59, Cl. 117-68.5.
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- Hocher, Andrew A.: See—  
Mack, Jules A., and Hocher. 2,908,469.
- Hochfeld, Henry. Process and machine for pleating pliable materials. 2,901,951, 9-1-59, Cl. 93-84.
- Hochgraf, Norman N., L. C. Kenyon, Jr., and A. W. Langer, Jr., to Esso Research and Engineering Co. Anti-fouling procedure. 2,908,671, 10-13-59, Cl. 260-93.7.
- Hochman, Jack H. Key chain holder. 2,875,605, 3-3-59, Cl. 70-457.
- Hochmeister, Inc.: See—  
Birnbaum, Hermann. 2,875,221.
- Hochmuth, Frank W., to Combustion Engineering, Inc. Method of burning waste liquors. 2,911,284, 11-3-59, Cl. 23-48.
- Hochmuth, Gordon H.: See—  
Davis, Jacob M., and Hochmuth. 2,903,569.
- Hochrainer, August: See—  
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- Hochreuter, Richard, to Feldmuhle A.G. Process for puffing hydrophobic nylon type fibers by swelling the fibers and generating oxygen in situ. 2,904,840, 9-22-59, Cl. 18-48.
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- Hochstadt, Harold R.: See—  
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- Hochstetler, Robert D., and I. B. Thierman, to Iron Fireman Mfg. Co. Gyroscope caging system. 2,887,884, 5-26-59, Cl. 74-5.1.
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- Hochull, Ernst, H. Werdenberg, and W. Fisch, to Ciba Ltd. Process for pigment printing of flexible flat structures. 2,904,447, 9-15-59, Cl. 117-38.
- Hock, Heinrich, to Ruhrchemie Akt. Production of phenolic resins from alkyl benzene hydroperoxides. 2,874,147, 2-17-59, Cl. 260-57.
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- Hockel, Hans L., and E. Peckert, to Knorr-Bremse G. m. b. H. Power operated hammers. 2,871,835, 2-3-59, Cl. 123-7.
- Hockel, Hans L., and W. Gerberich, to Knorr-Bremse G. m. b. H. Rotary air compressors. 2,876,948, 3-10-59, Cl. 230-210.
- Hockery, John C.: See—  
Aberer, Frank E. 2,908,467.
- Aberer, Frank E., and Talge. 2,893,116.
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- Blumkin, Sidney. 2,913,201.
- Chappell, William A., and Scott. 2,904,208.
- Landry, William J. 2,893,117.
- McLean, Robert E. 2,879,590.
- Talge, Henry J., and Aberer. 2,903,927.
- Hockett, Carl G., to Fram Corp. Manufacture of pleated filters. 2,895,174, 7-21-59, Cl. 18-59.
- Hockey, Walter S.: See—  
Belkowski, Jerzy, and Hockey. 2,875,768.
- Hocks, Robert W., and J. H. Dennis. Ear protector. 2,881,759, 4-14-59, Cl. 128-152.

- Hoda Corp.: See—  
Colombo, George. 2,907,850.
- Gallardo, Donald M., and Ealing. 2,896,190.
- Welsh, James W. 2,870,291.
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- Hodag Chemical Corp.: See—  
Kent, Sheldon E. 2,871,148.
- Hodel, Ernst, and H. Gysin, to J. R. Gelgy A. G. New esters of 5-acyl-8-hydroxyquinolines and their use for the control of fungi. 2,875,126, 2-24-59, Cl. 167-33.
- Hodel, Hans. Rail fastening device. 2,869,792, 1-20-59, Cl. 238-349.
- Hodes-Lange Corp.: See—  
Lange, Richard. 2,896,381.
- Hodes, William, to Standard Oil Co. Preparation of trimellitic anhydride. 2,887,497, 5-19-59, Cl. 260-346.3.
- Hodes, William, to Standard Oil Co. Process for the preparation of trimellitic anhydride. 2,888,465, 5-26-59, Cl. 260-346.3.
- Hodge, Allen W.: See—  
Nippert, Paul W., and Hodge. 2,879,191.
- Hodge, Edward A.: See—  
Ohlson, Paul E., and Hodge. 2,905,127.
- Hodge, Edward A., to The Martin Co. Seaplane beaching apparatus. 2,908,240, 10-13-59, Cl. 114-43.5.
- Hodge, Edward A., to Commercial Solvents Corp. Aryl nitro ethers. 2,894,992, 7-14-59, Cl. 260-611.
- Hodge, Edward B., to Commercial Solvents Corp. Petroleum lubricant stabilized against hydrocarbon-metabolizing microorganisms. 2,905,640, 9-22-59, Cl. 252-51.5.
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- Hodge, Everett D., to Electronic Mechanisms, Inc. Shaft positioning device. 2,910,892, 11-3-59, Cl. 74-766.
- Hodge, John E.: See—  
Ofelt, Chester W., and Hodge. 2,889,227.
- Hodge, Richard M.: See—  
Taylor, Louis L., and Hodge. 2,919,350.
- Hodge, Ronald L., to Power Jets (Research and Development) Ltd. Combustion apparatus for and method of burning ash-forming liquid fuel. 2,895,293, 7-21-59, Cl. 60-39.06.
- Hodge, William F., to General Electric Co. Radiant energy device. 2,910,605, 10-27-59, Cl. 313-113.
- Hodge, William R.: See—  
Marshburn, James P., and Willis. 2,870,731.
- Hodgeman, Herbert H.: See—  
Cullen, Roy H., Richards, and Hodgeman. 2,892,535.
- Hodgers, Robert W., L. C. Harriott, and H. M. Ogle, to General Electric Co. Position control system. 2,907,938, 10-6-59, Cl. 318-29.
- Hodges, Charles E.: See—  
Hoaglin, Raymond I., Schultze, and Hodges. 2,910,502.
- Hodges, Frederick G., Jr. Mattress or cushion unit. 2,887,693, 5-26-59, Cl. 5-351.
- Hodges, George H.: See—  
Cobb, Charles E. 2,909,440.
- Hodges, Howard T., to Eastman Kodak Co. Photographic copier. 2,878,740, 3-24-59, Cl. 95-73.
- Hodges, Hubert E. Presses and the like. 2,890,649, 6-16-59, Cl. 100-231.
- Hodges, Leon R. Lock-up key for chase. 2,915,931, 12-8-59, Cl. 81-177.
- Hodges, Merwyn E., to General Electric Co. Electronic relay arrangement for an electric power transmission line protective system. 2,873,410, 2-10-59, Cl. 317-28.
- Hodges, Merwyn E., to General Electric Co. Impedance changing circuit. 2,897,413, 7-28-59, Cl. 317-148.5.
- Hodges, Merwyn E., and N. A. Koss, to General Electric Co. Fault responsive protective system for an electric power transmission line. 2,879,453, 3-24-59, Cl. 317-28.
- Hodges, Merwyn E., N. A. Koss, and H. T. Seeley, to General Electric Co. Fault responsive protective system for an electric power transmission line. 2,879,454, 3-24-59, Cl. 317-28.
- Hodges Research and Development Co.: See—  
Hodges, William C., and Robb. 2,873,302.
- Williams, Beverly E. 2,870,018.
- Hodges, Stephen B., W. I. Lewis, and C. G. Thomas, to Dresser Industries, Inc. Pipe coupling package. 2,886,172, 5-12-59, Cl. 206-47.
- Hodges, William A., J. E. Floyd, and W. H. Lang, to Swift & Co. Production of sodium silico fluoride and fluorine-free phosphoric acid. 2,883,266, 4-21-59, Cl. 23-88.
- Hodges, William A., and J. E. Floyd, to Swift & Co. Purifying crude phosphoric acid. 2,917,367, 12-15-59, Cl. 23-165.
- Hodgeson, Ceall L., and W. E. Brett, to Bendix Aviation Corp. Drilling machine. 2,893,270, 7-7-59, Cl. 77-25.
- Hodgson, Dennis J.: See—  
Denovan, Alexander E. C., Hodgson, and Kremer. 2,918,004.
- Hodgson, Donald C.: See—  
Hodgson, Thomas G., D. C., and M. J. 2,884,731.
- Hodgson, Fred. Combination cup and stirring device. 2,918,203, 12-22-59, Cl. 229-15.
- Hodgson, Howard E., to Cutler-Hammer, Inc. Methods of and means for controlling electromagnets. 2,870,382, 1-20-59, Cl. 317-123.
- Hodgson, Jack E., to Continental Can Co., Inc. Refuse can with foot pedal closure opening means. 2,910,206, 10-27-59, Cl. 220-17.
- Hodgson, Myron J.: See—  
Hodgson, Thomas G., D. C., and M. J. 2,884,731.
- Hodgson, Thomas G., D. C., and M. J. Weedless fish lure. 2,884,731, 5-5-59, Cl. 43-35.
- Hodkin, David, to Engineering Research and Application Ltd. Motor vehicle chassis and suspension means. 2,899,236, 8-11-59, Cl. 296-28.
- Hodkin, Richard K., to Engineering Research and Application Ltd. Control apparatus for variable ratio power transmission means. 2,881,625, 4-14-59, Cl. 71-336.5.
- Hodkinson, Harold, to Dunlop Rubber Co. Ltd. Disc brakes. 2,909,246, 10-20-59, Cl. 188-73.
- Hodler, Fritz. Venting device for die casting machines. 2,867,869, 1-13-59, Cl. 22-73.
- Hodler, Fritz. Device for increasing the capacity of die casting machines. 2,893,082, 7-7-59, Cl. 22-68.
- Hodsmann, George F., to L. Oertling, Ltd. Arresting mechanism for analytical balances. 2,906,519, 9-29-59, Cl. 265-49.
- Hodson, Herbert O.: See—  
Anderson, Rodney R., and Hodson. 2,879,964.
- Hodson, Leslie. Fence construction. 2,906,507, 9-29-59, Cl. 256-48.
- Hodson, Peter: See—  
Valvo, Joseph F., and Hodson. 2,870,861.
- Hodson, Peter, to Apra Precipitator Corp. Purge means for rectangular precipitator. 2,887,176, 5-19-59, Cl. 183-7.
- Hodson, Peter, to The Air Preheater Corp. Rotary regenerative air preheater. 2,896,921, 7-28-59, Cl. 257-6.
- Hodson, Peter, and S. Holm. Mounting sinusoidal fin elements in heat exchange envelope. 2,868,514, 1-13-59, Cl. 257-245.
- Hoe, R., & Co., Inc.: See—  
Harless, Charles A. 2,894,775.
- Harless, Charles A. 2,900,900.
- Harless, Charles A., and Polglase. 2,915,008.
- Polglase, Burton C., Jr., Worthington, and Ringe. 2,909,990.
- Zuckerman, Adolph M. 2,887,312.
- Hoedlinghaus, George E., and R. G. Sanders. Lower shelf construction for nesting cart. 2,882,062, 4-14-59, Cl. 280-33.99.
- Hoedlinghaus, George E., and R. G. Sanders. Nesting market cart basket having a level bottom. 2,906,542, 9-29-59, Cl. 280-33.99.
- Hoef, William A. Bottle cap. 2,893,585, 7-7-59, Cl. 215-41.
- Hoefner, Howard F.: See—  
Troeger, Henry, and Hoefner. 2,896,601.
- Hoeflich, Victor T. Table centerpiece. 2,892,278, 6-30-59, Cl. 41-10.
- Hoegen, Robert A., and W. W. Gobble, to Fletcher Aviation Corp. Collet and ferrule type clamp hose coupling. 2,878,039, 3-17-59, Cl. 285-249.
- Hoehl, Edward P. Apparatus for fabricating electrotyping shells. 2,890,992, 6-16-59, Cl. 204-297.
- Hoehl, Edward P. Method for backing electrotyping shells. 2,915,797, 12-8-59, Cl. 22-203.
- Hoehn, Willard M.: See—  
Allison, Kenneth C., and Hoehn. 2,869,395.
- Bible, Roy H., Jr., and Hoehn. 2,889,371.
- Bible, Roy H., Jr., and Hoehn. 2,918,490.
- Hoehn, Willard M., to G. D. Searle & Co. Lower alkyl esters of 1,4a-dimethyl-8-oxo-1,2,3,4,4a,4b,5,6,7,9,10,11,12,12a-tetra-decahydrochrysen-1-carboxylic acid. 2,874,179, 2-17-59, Cl. 260-468.5.
- Hoehn, Willard M., to G. D. Searle & Co. Cinnamoyl-substituted octahydrophenanthrene derivatives. 2,880,229, 3-31-59, Cl. 260-463.5.
- Hoehn, Willard M., to G. D. Searle & Co. 1,4a-dimethyl-7-oxo-8-epoxy-perhydrophenanthrene-1-carboxylates. 2,889,341, 6-2-59, Cl. 260-348.
- Hoehn, Willard M., to G. D. Searle & Co. 1,4a-dimethyl-7-oxo-8-hydroxy-1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydrophenanthrene-1-carboxylates. 2,907,788, 10-6-59, Cl. 260-468.5.
- Hoehn, Willard M., to G. D. Searle & Co. Substituted phenyl-cyano-cyclohexanones. 2,911,432, 11-3-59, Cl. 260-465.
- Hoekje, Howard H., to Columbia-Southern Chemical Corp. Purification of sodium carbonate monohydrate. 2,887,360, 5-19-59, Cl. 23-63.
- Hoeksema, Herman: See—  
Nelson, Harrison A., Large, Bergy, and Hoeksema. 2,894,943.
- Hoeksema, Joe H., to Deere & Co. Corn harvester. 2,899,792, 8-18-59, Cl. 56-18.
- Hoekstra, Age H.: See—  
Stuyts, Andreas L., Hoekstra, Weber, and Rathenau. 2,900,344.
- Hoekstra, Cyrus E., to The Magnavox Co. Shock and vibration isolation mount. 2,910,263, 10-27-59, Cl. 248-358.
- Hoekstra, Jacob S., and H. J. M. Verschure. Shell mold apparatus. 2,905,987, 9-29-59, Cl. 22-9.
- Hoekstra, James, and E. Michalko, to Universal Oil Products Co. Catalyst manufacture. 2,897,159, 7-28-59, Cl. 252-448.



- Hoellerich, John L.: See—  
Poppa, Rocco, and Hoellerich. 2,868,967.
- Hoelscher, William G., to The American Tool Works Co. Clamping mechanism for machine tools. 2,871,993, 2-3-59, Cl. 188-74.
- Hoeltje, Walter W. Memory joggers, and the like. 2,917,837, 12-22-59, Cl. 35-62.
- Hoenick, Hans H.: See—  
Vorsche, Ferdinand, and Hoenick. 2,900,035.
- Hoepfner, Conrad H., and C. H. Smith, Jr. Communication reliability apparatus. 2,867,720, 1-6-59, Cl. 250-6.
- Hoerbliger & Co.: See—  
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- Schichting, Herbert and F. 2,907,344.
- Hoerger, Fred D., and H. W. Smeal, to The Dow Chemical Co. Conjoint halogenation technique. 2,913,449, 11-17-59, Cl. 260-94.9.
- Hoern, Joseph H., to Saginaw Wire Products Inc. Wire bending machines. 2,869,590, 1-20-59, Cl. 140-71.
- Hoern, Joseph H.: assor. of small percentages to various assignees. Milling and boring machine. 2,872,853, 2-10-59, Cl. 90-15.
- Hoern, Joseph H. Continuous boring and turning machines. 2,912,892, 11-17-59, Cl. 82-3.
- Hoerst, Valentine N. Mounting for grinding devices. 2,872,758, 2-10-59, Cl. 51-166.
- Hoerst, Valentine N. Manually operated grinding attachment. 2,874,520, 2-24-59, Cl. 51-219.
- Hoerth, Robert, to Stuebbe, Friedrich K. H. Endless power-transmitting belt of flexible material. 2,881,904, 4-14-59, Cl. 198-189.
- Hoesch Werk Akt.: See—  
Zimmermann, Herbert: 2,867,047.
- Hoesel, Leroy M., and M. A. Trtan, to American Steel Foundries. Cleaning torch. 2,899,536, 8-11-59, Cl. 219-70.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Pile fabric texturing due to pile overlaps. 2,867,244, 1-6-59, Cl. 139-403.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Carpet with improved coverage. 2,867,245, 1-6-59, Cl. 139-403.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Tufting pattern controlled by looper. 2,882,845, 4-21-59, Cl. 112-79.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Tufted fabric. 2,883,735, 4-28-59, Cl. 28-78.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Pile jump weaving. 2,884,012, 4-28-59, Cl. 139-39.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Texturing due to overlaps. 2,884,013, 4-28-59, Cl. 139-39.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Weaving pile fabric including jaspé. 2,891,582, 6-23-59, Cl. 139-39.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Multiple pile fabric. 2,898,947, 8-11-59, Cl. 139-403.
- Hoeselbarth, Frank W. E., to Bigelow-Sanford Carpet Co., Inc. Fabric having pile raised over weft. 2,903,022, 9-8-59, Cl. 139-406.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Pile fabric method. 2,905,202, 9-22-59, Cl. 139-39.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Terry weaving. 2,905,203, 9-22-59, Cl. 139-39.
- Hoeselbarth, Frank W. E., to C. H. Masland & Sons. Multiple pile weaving. 2,908,296, 10-13-59, Cl. 139-39.
- Hoosterey, Donald C., to Bell Telephone Laboratories Inc. Piezoelectric field effect semiconductor device. 2,898,477, 8-4-59, Cl. 307-88.5.
- Hoeth, Walter L. Heater for internal combustion engines. 2,916,030, 12-8-59, Cl. 123-142.5.
- Hofbauer, Frank. Combined drill and tap having drill lands extending throughout the length of the tapping portion. 2,898,612, 8-11-59, Cl. 10-140.
- Hofbauer, William J. Rotary cutting tool. 2,898,787, 8-11-59, Cl. 77-73.5.
- Hofer, Brune: See—  
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- Hofer, David L. Relief valve system for suction dredges. 2,889,779, 6-9-59, Cl. 103-11.
- Hofer, Eugene G., P. J. Koppe, and S. R. Mischnick, to Zenith Radio Corp. Method of manufacturing an electric coil. 2,875,420, 2-24-59, Cl. 336-192.
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- Hofer, Max, to Maschinenfabrik Augsburg-Nürnberg A.G. Exhaust pipe. 2,886,945, 5-19-59, Cl. 60-29.
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- Hogsett, John N., to Union Carbide Corp. Complexes of 2-heptadecylimidazolines. 2,881,182, 4-7-59, Cl. 260-299.
- Hogue, Walter H. Apparatus for sharpening saws. 2,870,657, 1-27-59, Cl. 76-40.
- Hogue, Walter S.: See—  
Novak, Leo J., and Hogue. 2,914,414.
- Hohenfeldt, Elmer O. Trellis construction. 2,906,062, 9-29-59, Cl. 47-47.
- Hohennuer, Werner W. Non-linear shock absorber. 2,902,273, 9-1-59, Cl. 267-1.
- Hohlsel, Roland E.: See—  
Converse, Vernon G., III, Seymour, Hohlsel, and Sabuda. 2,884,113.
- Hohl, John, to Owens-Illinois Glass Co. Feeder for closure cap sealing gaskets. 2,890,814, 6-16-59, Cl. 221-175.
- Hohl, John, to Owens-Illinois Glass Co. Method of and apparatus for packaging food products. 2,917,880, 12-22-59, Cl. 53-112.
- Hohl, John, and J. M. Wheaton, to Owens-Illinois Glass Co. Bottle and jar closing apparatus. 2,909,879, 10-27-59, Cl. 53-331.5.
- Hohl, John, and O. Bjering, to Owens-Illinois Glass Co. Machine for assembling and securing ring gaskets in closure caps. 2,915,029, 12-1-59, Cl. 113-80.
- Hohler, Frederick A.: See—  
Jessup, Wilbur F., and Hohler. 2,903,116.
- Hohlfelder, F. Co., The: See—  
Hohlfelder, Harvey F., and Reed. 2,879,565.
- Hohlfelder, Harvey F., and T. W. Reed, to The F. Hohlfelder Co. Double stem core chill. 2,879,565, 3-31-59, Cl. 22-174.
- Hohman, Ralph E., to The Babcock & Wilcox Co. Fluid fuel burner. 2,873,701, 2-17-59, Cl. 110-28.
- Hohman, Robert F. Devices for sorting of media. 2,890,798, 6-16-59, Cl. 211-11.
- Hohn, Hannsheinz: See—  
Spengler, Günter, and Hohn. 2,892,741.  
Spengler, Günter, and Hohn. 2,905,574.
- Höhn, Robert. Multi-strand, abrasion resistant electrical conductors. 2,892,880, 6-30-59, Cl. 174-8.
- Hohnecker, Otto, to Burroughs Corp. Dynamic disk-positioning apparatus. 2,903,266, 9-8-59, Cl. 274-39.
- Hohnstine, Jack T., J. A. Versocki, and F. L. Steckhahn, to American Home Products Corp. Simulated snow composition containing mineral filler. 2,894,928, 7-14-59, Cl. 260-33.8.
- Holberg, Arnold J., and C. E. Cowger, to Monsanto Chemical Co. Asphalt coating. 2,890,967, 6-16-59, Cl. 106-278.

- Holby, James C., and R. L. Westrum, to D. W. Ovan & Sons, Inc. Air conditioner for automotive vehicles and controls therefor. 2,869,333, 1-20-59, Cl. 62-239.
- Holer, Walter A., to The Cincinnati Milling Machine Co. Work handling and indexing mechanism. 2,914,890, 12-1-59, Cl. 51-215.
- Holer, Walter A., and J. R. Baker, to The Cincinnati Milling Machine Co. Automatic table positioning mechanism for grinders. 2,902,798, 9-8-59, Cl. 51-95.
- Holisington, Richard L., to Burroughs Corp. Tape reeling apparatus. 2,868,473, 1-13-59, Cl. 242-72.
- Holiste, Harold V.: See—  
Langen, Ole H., and Holiste. 2,875,929.
- Holvik, Helen L. Process for making an ornamental article from a flower. 2,906,636, 9-29-59, Cl. 117-3.
- Hokama, Takeo: See—  
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- Hoke, Harry H., Jr. Coin dispensers. 2,877,776, 3-17-59, Cl. 133-4.
- Hoke, Howard L., to Dresser Industries, Inc. Conduit clamp. 2,897,568, 8-4-59, Cl. 24-279.
- Hoke Inc.: See—  
Salmon, Donald B., and Haynes. 2,900,201.
- Holahan, John L., to General Mills, Inc. Process for producing puckered and curled cereal flakes. 2,882,162, 4-14-59, Cl. 99-80.
- Holahan, Joseph M., Jr., to True Temper Corp. Fishing reel guard. 2,884,211, 4-28-59, Cl. 242-84.1.
- Holan, J. H., Corp.: See—  
Holan, James H., and Troche. 2,897,979.  
Troche, Herman J. 2,881,030.  
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Troche, Herman J., and Holan. 2,891,383.  
Troche, Herman J., and Eckels. 2,919,035.
- Holan, James H.: See—  
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- Holan, James H., and H. J. Troche, to J. H. Holan Corp. Portable boom. 2,897,979, 8-4-59, Cl. 212-8.
- Holben, Eugene F.: See—  
Brand, Warren H., and Holben. 2,870,387.
- Holbrook, Edward L., to Westinghouse Air Brake Co. Governor control apparatus. 2,867,199, 1-6-59, Cl. 123-140.
- Holbrook, George W., and P. L. Brown, to Dow Corning Corp. Fluoroalkylsilane diols. 2,915,544, 12-1-59, Cl. 260-448.2.
- Holbrook, Harold L. Restraining device. 2,912,977, 11-17-59, Cl. 128-134.
- Holbrook, John A., to Morgan Construction Co. Wire-drawing block. 2,868,359, 1-13-59, Cl. 205-20.
- Holbrook, Orrin C., and G. G. Bernard, to The Pure Oil Co. Secondary recovery of oil from reservoirs by successive precipitation. 2,903,065, 9-8-59, Cl. 166-9.
- Holbrook, Robert L.: See—  
Doerr, Richard L., and Holbrook. 2,904,390.
- Holbrook, Robert L., to Olin Mathieson Chemical Corp. Method of flame proofing cellulosic textile material with phosphorus trisulfonate or phosphoryl trisulfonate and products produced thereby. 2,898,180, 8-4-59, Cl. 8-116.
- Holbrook, Robert L., and R. L. Doerr, to Olin Mathieson Chemical Corp. Composition and process for crease- and wrinkle-proofing cellulosic textile material. 2,904,387, 9-15-59, Cl. 8-116.3.
- Holbrook, Robert L., and R. L. Doerr, to Olin Mathieson Chemical Corp. Composition and process for crease- and wrinkle-proofing cellulosic textile material. 2,904,388, 9-15-59, Cl. 8-116.3.
- Holby, Worrell H., to Hydra-Power Corp. Valve sealing structure. 2,910,267, 10-27-59, Cl. 251-332.
- Holcomb, Henry A., and R. M. Love, to Esso Research and Engineering Co. Starting up of reforming unit using platinum catalyst without extraneous hydrogen. 2,898,291, 8-4-59, Cl. 208-138.
- Holcomb & Hoke Mfg. Co., Inc.: See—  
Reynolds, Ralph W. 2,915,114.  
Reynolds, Ralph W. 2,915,115.
- Holcomb, James A.: See—  
Saunders, Seymour G., and Holcomb. 2,911,076.
- Holcomb, James E., to General Electric Co. Impulse testing. 2,890,410, 6-9-59, Cl. 324-54.
- Holcomb, Willis C. Sign. 2,872,750, 2-10-59, Cl. 40-125.
- Holcroft, Donald E., to Scott Paper Co. Silencer. 2,900,024, 8-18-59, Cl. 162-371.
- Hold Corp.: See—  
Fonken, William A. 2,877,815.
- Hold, Peter, to Farrel-Birmingham Co., Inc. Heat exchange roll. 2,875,985, 3-3-59, Cl. 257-95.
- Hold, Peter, to Farrel-Birmingham Co., Inc. Electrically heated roll for calenders or the like. 2,912,556, 11-10-59, Cl. 219-19.
- Holdaway, Vivian L., to Bell Telephone Laboratories, Inc. Gaseous discharge device. 2,891,188, 6-16-59, Cl. 313-151.
- Holdeman, Eugene J., and W. T. Green. Folding doors. 2,893,483, 7-7-59, Cl. 160-220.
- Holdeman, John W., and E. F. Farrell, to Borg-Warner Corp. Method of making a brake band. 2,887,771, 5-26-59, Cl. 29-418.
- Holdeman, John W., V. E. Masko, J. B. Polomski, and G. E. Whelpley, to Borg-Warner Corp. Transmission. 2,895,344, 7-21-59, Cl. 74-472.
- Holden, Artemas F. Salt bath furnaces. 2,880,986, 4-7-59, Cl. 266-4.
- Holden, Artemas F. Article treating apparatus. 2,916,131, 12-8-59, Cl. 198-19.
- Holden, Brian A., to Burgess Products Co. Ltd. Actuators for electrical switches. 2,898,428, 8-4-59, Cl. 200-172.
- Holden, Grenville R., and A. Schiff, to F. C. Huyck & Sons. Fourdrinier cloth. 2,903,021, 9-8-59, Cl. 139-383.
- Holden, James D., to C. J. Gaskell Co., Inc. Flame retention piloting device for gas burner. 2,901,033, 8-25-59, Cl. 158-116.
- Holden, Marguerite H.: See—  
Holden, Orloff W. 2,893,644.  
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- Holden, Orloff W., to O. W. and M. H. Holden, d.b.a. Knickerbocker Rubber Co. Combination wall shower and shampoo spray. 2,893,644, 7-7-59, Cl. 239-282.
- Holden, Orloff W., to O. W. and M. H. Holden, d.b.a. Knickerbocker Rubber Co., Not Inc. Ball and socket joint. 2,908,519, 10-13-59, Cl. 287-87.
- Holden, Robert B., R. M. Powers, O. J. Blaber, deceased (by J. A. Blaber, administratrix), to United States of America, Atomic Energy Commission. Production of uranium metal by carbon reduction. 2,905,552, 9-22-59, Cl. 75-84.1.
- Holden, Thomas M., to Fleming & Sons, Inc. Paperboard armchair. 2,904,105, 9-15-59, Cl. 155-191.
- Holder, Clinton H., and W. M. Basch, to Esso Research and Engineering Co. Producing lubricating oils by solvent extraction. 2,867,583, 1-6-59, Cl. 208-327.
- Holder, Clinton H., and C. L. Read, to Esso Research and Engineering Co. Preparation of aromatic petroleum concentrate of reduced sulfur content. 2,911,354, 11-3-59, Cl. 208-96.
- Holder, Lorrain A. Combination seat and carrying bag. 2,915,154, 12-1-59, Cl. 190-8.
- Holder, Roy B., to H. E. Henegar. Miter guide. 2,911,017, 11-3-59, Cl. 143-6.
- Holderbaum, Charles E.: See—  
Persyn, David C., and Holderbaum. 2,879,007.
- Holderer, Oscar C. Clinometer. 2,906,032, 9-29-59, Cl. 33-214.
- Holderle, Frederick S., H. C. R., and N. F. W. Display case door. 2,872,266, 2-3-59, Cl. 312-138.
- Holderle, Frederick S., H. C. R., and N. F. W. Display case. 2,878,090, 3-17-59, Cl. 312-114.
- Holderle, Harvey C. R.: See—  
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- Holderle, Norbert F. W.: See—  
Holderle, Frederick S., H. C. R., and N. F. W. 2,872,266.  
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- Holderreid, Francis L., and R. E. Sullivan to Anaconda Copper Mining Co., now by change of name to The Anaconda Co. Submerged flame evaporator. 2,867,972, 1-13-59, Cl. 159-16.
- "Hold-Heat" Products Corp.: See—  
Mundt, Diedrich E. 2,878,436.  
Mundt, Diedrich E. 2,889,429.
- Holding Electronics S. A.: See—  
Legrand, Roger. 2,878,403.
- Holdo, Jan K., to Atlas Copco Aktiebolag. Pneumatic percussion tools. 2,896,580, 7-28-59, Cl. 121-35.
- Holdrege, Charles T., to Bristol Laboratories Inc. Therapeutic agents. 2,882,273, 4-14-59, Cl. 260-294.
- Holdren Brothers, Inc.: See—  
Holdren, Donald R. 2,899,090.
- Holdren, Donald R., to Holdren Brothers, Inc. Vehicle unloading apparatus. 2,899,090, 8-11-59, Cl. 214-82.
- Holdstock, Norman G., to General Electric Co. Method for preparing chlorophenylchlorosilanes. 2,887,503, 5-19-59, Cl. 260-448.2.
- Holdsworth, John F. Button type fastening. 2,902,735, 9-8-59, Cl. 24-105.
- Holeproof Hosiery Co.: See—  
Baker, Paul W., and Wolff. 2,917,163.
- Holes, Wilbur W. Loose-leaf type transparent casing for advertising materials. 2,876,572, 3-10-59, Cl. 40-158.
- Holston, Robert E., to United States of America, Atomic Energy Commission. Process for purifying crude perfluorocarbons. 2,879,228, 3-24-59, Cl. 208-310.
- Hollicky, William F. Drain pipe connector. 2,893,212, 7-7-59, Cl. 61-11.
- Holiday, Harold C., to Alton N. Parker. Boat-carrying trailer. 2,876,922, 3-10-59, Cl. 214-506.
- Holiday Line, Inc., The: See—  
Rosenberg, David, and Miranda. Re. 24,618.
- Hollman, William E.: See—  
Ward, Samuel J., Hollman, and Cross. 2,910,261.
- Holln, William F., to General Motors Corp. Railway vehicle suspension. 2,874,646, 2-24-59, Cl. 105-171.
- Holln, William F., to General Motors Corp. Railway vehicle truck. 2,878,760, 3-24-59, Cl. 105-193.
- Holln, William F., to General Motors Corp. Brake rigging for railway vehicle truck. 2,885,034, 5-5-59, Cl. 188-195.
- Holln, William F., to General Motors Corp. Brake rigging stabilizer. 2,911,073, 11-3-59, Cl. 188-205.
- Holker, Kenneth U., to Imperial Chemical Industries Ltd. Gas producing compositions. 2,904,420, 9-15-59, Cl. 52-5.



- Holl, Carl B. Flushing device. 2,908,915, 10-20-59, Cl. 4-249.
- Holl, James W. F. Torque actuated vehicle brake. 2,868,337, 1-13-59, Cl. 188-140.
- Holl, James W. F. Noninterflow rotary valve. 2,893,430, 7-7-59, Cl. 137-825.42.
- Hollabaugh, Max G., to Standard Coll Products Co., Inc. Digital recording system. 2,905,521, 9-22-59, Cl. 346-74.
- Holland, Albert. Attachment for a buttonhole stitching machine. 2,874,660, 2-24-59, Cl. 112-68.
- 12-1-59, Cl. 252-473.
- Holland, Charles W., Jr. Conveyor belt cleaner. 2,873,847, 2-17-59, Cl. 198-230.
- Holland Co.: See—
- Carlson, Arthur H. 2,905,106.
- Wulff, Cal W. 2,873,690.
- Wulff, Cal W. 2,896,550.
- Holland, Edward T., Jr., to Cherry-Burrell Corp. Conveyor for cooling room. 2,911,802, 11-10-59, Cl. 62-382.
- Holland, Edward V., Jr.: See—
- Williamson, Frederick B., Jr., and Holland. 2,890,900.
- Holland, John D. Cabinet weighing scale. 2,872,178, 2-3-59, Cl. 265-27.
- Holland, Joe B.: See—
- Millen, Michael F., and Holland. 2,908,851.
- Holland, Julian. Combined stand holder. 2,877,582, 3-17-59, Cl. 40-125.
- Holland, Kenneth M., to California Reinforced Plastics Co., now by change of name to Hexcel Products Inc. Method of making rubber honeycomb product. 2,887,425, 5-19-59, Cl. 154-122.
- Holland, Leslie A., to Edwards High Vacuum Ltd. Cathodic sputtering of metal and dielectric films. 2,886,502, 5-12-59, Cl. 204-192.
- Holland, Milton D.: See—
- McDonald, Julius M., King, and Holland. 2,885,931.
- Holland-Racine Shoes, Inc.: See—
- Geuder, Lawrence J. 2,913,837.
- Hollander, Charles S.: See—
- de Benneville, Peter L., and Hollander. 2,902,514.
- Hollander, Charles W. D., to Hoffmann-La Roche, Inc. Racemization catalysts and preparation. 2,915,479.
- Hollander, Julius, and B. S. Sabreen. Cushion for artificial dentures and wax-gum composition therefor. 2,897,592, 8-4-59, Cl. 32-2.
- Hollander, Julius, and B. S. Sabreen. Cushion for artificial dentures and wax-plasticizer composition therefor. 2,897,593, 8-4-59, Cl. 32-2.
- Hollander, Louis P., and R. A. Schroth, to The Presray Corp. Material handling apparatus. 2,894,780, 7-14-59, Cl. 294-93.
- Hollander, Nils B. F., to Testor Chemical Co. Container for cultivating kernels and seeds. 2,879,627, 3-31-59, Cl. 47-1.2.
- Hollander, Nils B. F., to Testor Chemical Co. Container for cultivating kernels and seeds. 2,884,740, 5-5-59, Cl. 47-1.2.
- Hollansworth, McFerrell, to McKinney Mfg. Co. Folding doors. 2,882,962, 4-21-59, Cl. 160-118.
- Hollansworth, McFerrell, to McKinney Mfg. Co. Motor vehicle door hinge. 2,893,050, 7-7-59, Cl. 16-142.
- Hollansworth, McFerrell, to McKinney Mfg. Co. Shelf-supporting bracket. 2,908,471, 10-13-59, Cl. 248-247.
- Hollar, Arthur W., Jr.: See—
- Arlauskas, Alfonsas, and Hollar. 2,918,274.
- Hollar, John V., to The La Resista Corset Co. Brassiere. 2,869,554, 1-20-59, Cl. 128-498.
- Hollar, John V., to The La Resista Corset Co. Girdle. 2,869,555, 1-20-59, Cl. 128-533.
- Holle, Norbert G. T.: See—
- Heath, Thomas D., and Holle. 2,867,526.
- Holle, Otto E. Seed planter shoe. 2,876,719, 3-10-59, Cl. 111-7.
- Hollen, Leonard F. Adjustable dock ramp. 2,908,024, 10-13-59, Cl. 14-71.
- Hollengreen, Milburn A., to Landis Tool Co. Internal grinding fixture. 2,909,013, 10-20-59, Cl. 51-166.
- Holler, Edward J., Jr., to Owens-Illinois Glass Co. Fluid dispensing ball applicator. 2,883,690, 4-28-59, Cl. 15-132.7.
- Holler, Hermann: See—
- Baldus, Rudolf, and Holler. 2,914,846.
- Hollerbach, Aloys C.: See—
- Hart, Peter M., and Hollerbach. 2,897,000.
- Hollerith, Charles, J. C. Flansburgh, and D. C. White, to Yard-Man, Inc. Self-propelled rotary mower. 2,918,775, 12-29-59, Cl. 56-25.4.
- Hollert, Paul. Individual wheel support for vehicles. 2,874,974, 2-24-59, Cl. 280-124.
- Holley Carburetor Co.: See—
- Anch, Ernest M. 2,916,045.
- Beitoni, Eugene C. 2,893,363.
- Cornelius, George W. 2,868,182.
- Cornelius, George W. 2,877,998.
- Cornelius, George W. 2,879,756.
- Cornelius, George W. 2,880,079.
- De Claire, Alton G., Jr., and Leibold. 2,871,840.
- Egerer, William E. 2,900,470.
- Ensinger, Raymond L. 2,881,740.
- Francis, Joseph E. 2,867,198.
- Goetsch, Earl G., and Cowles. 2,896,652.
- Holley Carburetor Co.: See—Continued
- Goetz, Vincent A. 2,905,013.
- Goodyear, Charles R. 2,892,622.
- Holley, George M., Jr. 2,871,845.
- Holley, George M., Jr. 2,890,691.
- Holley, George M., Jr. 2,917,294.
- Holley, George M., Jr., and De Claire. 2,886,023.
- Johnson, Kallin S. 2,905,102.
- Karpel, Chester. 2,898,899.
- Kerr, Fred S. 2,908,264.
- Kimney, David C., and Sands. 2,877,996.
- Leibold, Richard E. 2,912,529.
- Marsse, Frederick J. 2,910,055.
- McCollough, William E. 2,867,197.
- McCollough, William E. 2,895,561.
- Quinby, Charles E. 2,884,917.
- Scott, Ian J. C. 2,905,831.
- Skay, Frank. 2,902,307.
- Smiley, Marion L. 2,879,048.
- Stroh, George B., and Cowles. 2,879,643.
- Udale, Stanley M. 2,900,969.
- Holley, George M., Jr., to Holley Carburetor Co. Fuel injection system. 2,871,845, 2-3-59, Cl. 123-139.
- Holley, George M., Jr., to Holley Carburetor Co. Fuel injection system. 2,890,691, 6-18-59, Cl. 123-140.
- Holley, George M., Jr., to Holley Carburetor Co. Automatic choke device. 2,917,294, 12-15-59, Cl. 261-39.
- Holley, George M., Jr., and A. G. De Claire, Jr., to Holley Carburetor Co. Fuel injection system. 2,886,023, 5-12-59, Cl. 123-140.
- Holley, Walter H., to McGarry and Cole Ltd. Staple driving mechanism. 2,872,683, 2-10-59, Cl. 1-49.
- Holliday, William C.: See—
- Williams, Harry, and Holliday. 2,900,486.
- Hollihan, John P., Jr., J. A. Howson, and W. A. Sisson, to American Viscose Corp. Process of producing viscose rayon. 2,916,391, 12-8-59, Cl. 106-165.
- Hollingshead, R. M., Corp.: See—
- Shibe, William J., Jr. 2,909,551.
- Hollingsworth, Eleanor: See—
- Hollingsworth, Maurice H. 2,909,619.
- Hollingsworth, Jess C. Fire alarm. 2,907,014, 9-29-59, Cl. 340-232.
- Hollingsworth, John D. Carding rolls. 2,900,672, 8-25-59, Cl. 19-112.
- Hollingsworth, Maurice H., deceased: E. Hollingsworth, executor. Improved hearing aid. 2,909,619, 10-20-59, Cl. 179-107.
- Hollingsworth, Pierce, to Koppers Co., Inc. Couplings. 2,919,137, 12-29-59, Cl. 279-87.
- Hollingsworth, Richard L. Flush valve assembly. 2,879,520, 3-31-59, Cl. 4-50.
- Hollingsworth, R. Lee. Gating modulation. 2,907,956, 10-6-59, Cl. 332-41.
- Hollingsworth, R. Lee. Variable resistor. 2,907,970, 10-6-59, Cl. 338-161.
- Hollingsworth, Vernon O. Water closet flush guide. 2,909,786, 10-27-59, Cl. 4-56.
- Hollingsworth, Walter L. Window unit. 2,884,051, 4-28-59, Cl. 160-92.
- Hollins, Abraham: See—
- Hollins, Jesse R. 2,891,118.
- Hollins, Jesse R., and A. 2,886,743.
- Hollins, Jesse R., to A. J. R., and L. S. Hollins, and T. D. Davidson. Signal switch for automotive vehicles. 2,886,743, 5-12-59, Cl. 315-77.
- Hollins, Jesse R., to A. J. R., and L. S. Hollins, and T. D. Davidson. Automotive lighting and turn signalling systems. 2,891,118, 6-16-59, Cl. 200-61.54.
- Hollins, Jesse R., to Signal-Stat Corp. Turn signalling system. 2,892,996, 6-30-59, Cl. 340-81.
- Hollins, Jesse R., to Signal-Stat Corp. Flasher. 2,919,424, 12-29-59, Cl. 340-81.
- Hollins, Lewis S.: See—
- Hollins, Jesse R. 2,886,743.
- Hollinshead, Percy C., and H. A. Clough. Cavity measuring instruments. 2,887,778, 5-26-59, Cl. 33-178.
- Hollis, Albert C., to B. U. Supplies & Machinery Co. Ltd. Machines for inserting packing material into bottles. 2,895,275, 7-21-59, Cl. 53-59.
- Hollis, Brooks S. Equipment hitch for vehicles. 2,871,030, 1-27-59, Cl. 280-492.
- Hollis, Clinton R., to International Paper Co. Delivery mechanism for automatic feeding, valving and sewing machines. 2,883,034, 4-21-59, Cl. 198-33.
- Hollis, Clinton R., and M. V. Smith. Fastening device. 2,913,797, 11-24-59, Cl. 24-253.
- Hollis, Jack L.: See—
- Lancaster, Arthur M., and Hollis. 2,879,828.
- Hollis, John C., to Giddings & Lewis Machine Tool Co. Machine tool turret with bi-directional coupling. 2,885,543, 8-2-59, Cl. 74-814.
- Hollis, John C., to Morey Machinery Co., Inc. Draw toggles for spindle male tapers of milling and the like machines. 2,893,291, 7-7-59, Cl. 90-11.
- Hollis, Robert A.: See—
- Spless, Newton E., Jr., and Hollis. 2,908,575.
- Hollis, Robert H., to Abbott Laboratories. Treating poultry respiratory infections with erythromycin. 2,885,321, 5-5-59, Cl. 167-53.1.

- Hollis, William S., to National Research Development Corp. Forming block with shiftable clamping element for apparatus for working metal stock. 2,872,964, 2-10-59, Cl. 153-48.
- Hollister, Harry W., to Acoustat Corp. Stop beads in suspended ceiling. Re. 24,658, 6-16-59, Cl. 72-118.
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- Homestead Co.: See—
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- Homer Mfg. Co., Inc. The: See—
- Zimmer, Harold C. 2,881,901.
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- Honegger, Eugene H. Method and apparatus for oil separation in refrigeration system. 2,900,501, 8-25-59, Cl. 62-84.
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- Hoofe, William J., III. Sliding door lock. 2,883,227, 4-21-59, Cl. 292-140.
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- Hoogendoorn, Gilbert C. Central valve for pneumatic tire wheel. 2,900,007, 8-18-59, Cl. 152-415.
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- Hoogschagen, Jan, to Stamlicarbon N.V. Process for recovering heavy hydrogen and heavy water. 2,908,554, 10-13-59, Cl. 23-210.
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- Hooker Chemical Corp. See—
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- Hoopes, Theodore R., to Thompson Products, Inc. Radial and longitudinal stress-absorbing suspension pivot. 2,882,079, 4-14-59, Cl. 287-85.
- Hoos, Curtis G. See—
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- Hoosier Cardinal Corp. See—
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- Coons, Curtis C. 2,894,274.
- Duff, Jack E. 2,867,833.
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- Gerber, Dale C., Seck, and Kurlinski. 2,876,481.
- Humphrey, Warren A. 2,871,588.
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- Kaufman, George E. 2,876,479.
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- Kurlinski, Dale T. 2,881,464.
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- Sibbald, Frederick R. 2,894,355.
- Vance, John E. 2,898,621.
- Warburton, Kenneth R. 2,914,790.
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- Emerson, Marvin R., and Hoover. 2,885,602.
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- Hopkins, Harvey C., to King Container Corp. Container end closure. 2,903,173, 9-8-59, Cl. 229-5.5.
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- Hopkins, Horace H., Jr., to United States of America, Atomic Energy Commission. Solubilization of actinide metal-containing slag. 2,898,186, 8-4-59, Cl. 23-14.5.
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- Hopkins, William C., and J. G. Senese, Jr., to American Cyanamid Co. Liquid rosin sizes containing anti-stratifying agent. 2,873,903, 2-10-59, Cl. 106-238.
- Hopkinson, David B. See—
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- Hill, Clarence W., and Hopkinson. 2,870,597.
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- Hopp, Robert E., to Simplan Corp. of America. Duplicating printing and punching machine. 2,909,221, 10-20-59, Cl. 164-111.
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- Hoppe, Alfred, H. Franz, K. Melliss, and R. Gutberlet, to Edelmann Gesellschaft m.b.H. Process for the separation of N-paraffins from hydrocarbon oils. 2,917,447, 12-15-59, Cl. 208-25.
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- Hoppe, Boris. High-low extension table construction. 2,883,248, 4-21-59, Cl. 311-39.
- Hoppe, Georg, E. Stebert, and E. Waldkötter, to Siemens-Schuckertwerke Akt. Dry rectifier and method for its manufacture. 2,877,395, 3-10-59, Cl. 317-234.



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- Hoppe, George D.: See—
- Hoppe, Wilma L. A.: 2,870,463.
- Hoppe, James O.: See—
- Archer, Sydney, and Hoppe. 2,895,988.
- Hoppe, Otto F., and H. R. Ruhr, to United Shoe Machinery Corp. Welt shoe sewing machines. 2,868,148, 1-13-59, Cl. 112-46.
- Hoppe, Peter: See—
- Müller, Karl E., and Hoppe. 2,913,425.
- Hoppe, Peter, 1/2 to Farbenfabriken Bayer Akt., and 1/2 to Mobay Chemical Co. Process of producing composite or coated articles comprising foamed plastics and covering layers. 2,893,063, 7-7-59, Cl. 18-60.
- Hoppe, Peter and H. W. Paffrath, 1/2 to Farbenfabriken Bayer Aktiengesellschaft, and 1/2 to Mobay Chemical Co. Process for producing composite structures comprising rigid polyurethane foams and covering layers. 2,903,380, 9-8-59, Cl. 117-75.
- Hoppe, William, to Package Machinery Co. Wrapping machines. 2,878,629, 3-24-59, Cl. 53-51.
- Hoppe, William, and J. Kramer, to Package Machinery Co. Wrapping machine folding channel side wall and conveyor mounting means. 2,900,777, 8-25-59, Cl. 53-223.
- Hoppe, Wilma L. A., 40% to G. D. Hoppe. Anchor blanket. 2,870,463, 1-27-59, Cl. 3-334.
- Hopper, Allen O., to Turbine Equipment Co. System for extracting liquid from solids, such as metal chips. 2,906,466, 9-29-59, Cl. 241-34.
- Hopper, Cecil M., and R. B. Richards, to International Salt Co. Method and apparatus for treating salts. 2,876,182, 3-3-59, Cl. 204-99.
- Hopper, Francis C., and M. Naps, to Shell Development Co. Epoxy resin adhesive composition, their preparation, and tape containing same. 2,915,490, 12-1-59, Cl. 260-37.
- Hopper, Lucien L., Jr.: See—
- Goldblatt, Leo A., and Hopper. 2,884,330.
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- Hopponen, Mabel: See—
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- Horacek, Mark W. Holy water sprinkler holder. 2,892,607, 6-30-59, Cl. 248-313.
- Horak, Hobbs H. Valveless inlet for pulse jet. 2,912,821, 11-17-59, Cl. 60-35.6.
- Horclois, Raymond J.: See—
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- Jacob, Robert M., and Horclois. 2,905,668.
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- Burton, Thomas H.: 2,880,622.
- Hordost, Theodore L.: See—
- Hansen, Lloyd D., and Hordost. 2,895,104.
- Horecky, Stanley. Device for measuring and for regulating moisture content of soil or the like. 2,906,952, 9-29-59, Cl. 324-65.
- Horeczy, Joseph T., and E. F. Wadley, to Esso Research and Engineering Co. Removal of oxygenated compounds from naphtha. 2,900,403, 8-18-59, Cl. 260-450.
- Horelick, Arnold L.: See—
- Fox, Arnold M., and Horelick. 2,898,565.
- Horelick, Samuel, and J. J. Zimsky, to McGraw-Edison Co. Wound-type core for a transformer or the like. 2,908,879, 10-13-59, Cl. 336-210.
- Horgan, George D., to American Machine & Foundry Co. Cigarette rod cutter. 2,886,083, 5-12-59, Cl. 146-101.
- Horgan, George D., to American Machine & Foundry Co. Defective article rejector. 2,905,319, 9-22-59, Cl. 209-74.
- Horgan, Thomas B., to Avco Mfg. Corp. Radio frequency amplifier and converter. 2,894,126, 7-7-59, Cl. 250-20.
- Horgan, Thomas B., to Avco Mfg. Corp. Detector employing radiant energy transmission. 2,903,582, 9-8-59, Cl. 250-27.
- Hori, Tatsuo, to General Electric Co. Paper-stacking device. 2,867,438, 1-6-59, Cl. 271-24.
- Horie, Tomohiro. Process for producing grinding materials. 2,876,085, 3-3-59, Cl. 51-296.
- Horiuchi, Harold S.: See—
- Rayburn, Charles C., and Horiuchi. 2,903,634.
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- Horizons Inc.: See—
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- Cunningham, George L. 2,867,568.
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- Cunningham, George L. 2,885,265.
- Fotland, Richard A. 2,885,521.
- Harman, Cameron G. 2,898,192.
- Mayer, Edward F. 2,912,592.
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- Owens, Lloyd. 2,886,434.
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- Vickery, Ronald C. 2,899,292.
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- Wagner, Frank C. 2,875,510.
- Walner, Eugene. 2,883,282.
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- Wagner, Frank C. 2,908,966.
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- Burwell, John T., Jr., and McKenna. 2,876,180.
- Carlton, Stuart S. 2,868,704.
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- Kolk, Anthony J., Jr., and Davis. 2,894,887.
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- Horland, Richard. Multiple condiment dispensing unit. 2,890,816, 6-16-59, Cl. 222-142.3.
- Horland, Richard. Pill dispensing unit. 2,917,162, 12-15-59, Cl. 206-42.
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- Horman, Harold A.: See—
- Rondthaler, Edward, and Horman. 2,890,634.
- Hörmann, Erich: See—
- Baffrey, Anton R., Hofmeier, Schmidt, and Hörmann. 2,895,034.
- Hormel, Geo. A., & Co.: See—
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- Walker, James H., Carr, and Horn. 2,898,825.
- Horn, Charles L.: See—
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- Young, Donald M., Hostettler, and Horn. 2,890,208.
- Horn, Fordyce H., to General Electric Co. Growth of uniform composition semiconductor crystals. 2,904,512, 9-15-59, Cl. 252-62.3.
- Horn, Fritz A., to Ruhrgas Akt. Method of and device for recovering energy when cooling compressed gases in heat exchangers. 2,875,589, 3-3-59, Cl. 62-87.
- Horn, Hans, to International Minerals & Chemical Corp. Activation of lime. 2,869,987, 1-20-59, Cl. 23-186.
- Horn, Heinz, to Felten & Guilleaume Carlswerk Akt. Deep sea submarine cable. 2,873,307, 2-10-59, Cl. 174-102.
- Horn, Heinz, to Firma Norddeutsche Seekabelwerke Akt. Plug arrangement for coaxial cables. 2,886,627, 5-12-59, Cl. 174-22.
- Horn, Henry M., to United Aircraft Corp. Propeller pitch control system. 2,868,304, 1-13-59, Cl. 170-100.2.
- Horn, Henry S., to W. C. Horn, Bro. & Co. Transparent display and filling device. 2,888,933, 6-2-59, Cl. 129-20.
- Horn, James A., to Western Electric Co., Inc. Overload release devices. 2,869,453, 1-20-59, Cl. 100-282.
- Horn, John M., to The John M. Horn Lumber Co. Cut-off gauge. 2,890,729, 6-16-59, Cl. 143-168.
- Horn, John M., Lumber Co., The: See—
- Horn, John M. 2,890,729.
- Horn, Josef, and K. Jöns, to Keuffel & Esser Co. Combined exposing and developing apparatus for photoprints. 2,907,259, 10-6-59, Cl. 95-77.5.
- Horn, Knud S. Two-step method of making calcium oxide from calcium sulfate. 2,901,321, 8-25-59, Cl. 23-180.
- Horn, Merl E., to Westinghouse Electric Corp. Metal-enclosed switchgear. 2,883,483, 4-21-59, Cl. 200-50.
- Horn, Peter, to P. Ballantine & Sons. Apparatus for handling materials. 2,880,030, 3-31-59, Cl. 294-65.
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- Horn, Thelma P. Garment stays. 2,912,983, 11-17-59, Cl. 128-469.
- Horn, Thurman W. Power transmitting drive embodying friction clutch. 2,915,156, 12-1-59, Cl. 192-41.
- Horn, W. C., Bro. & Co.: See—
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- Hornak, John N., and W. M. Thatcher, to United States Steel Corp. Vacuum casting apparatus. 2,885,751, 5-12-59, Cl. 22-73.
- Hornbeck, Donald W., to Gard Products, Inc. Highway marker. 2,905,134, 9-22-59, Cl. 116-63.
- Hornberger, Carl S., Jr., to E. I. du Pont de Nemours and Co. Alpha-lipole acid process. 2,877,233, 3-10-59, Cl. 260-327.

- Hornberger, Clarence L., to Armstrong Cork Co. Pressure mechanism for wood grinders and the like. 2,918,224, 12-22-59, Cl. 241-282.
- Hornbostel, Lloyd, to Beloit Iron Works. Lubrication system. 2,867,481, 1-6-59, Cl. 308-187.
- Hornbostel, Lloyd, to Beloit Iron Works. Stream flow valve. 2,869,817, 1-20-59, Cl. 251-133.
- Hornbostel, Lloyd, to Beloit Iron Works. Apparatus for coating. 2,874,674, 2-24-59, Cl. 118-113.
- Hornbostel, Lloyd, to Beloit Iron Works. Suction press assembly utilizing a press roll having a wire mesh periphery. 2,888,074, 5-26-59, Cl. 162-306.
- Hornbostel, Lloyd, to Beloit Iron Works. Paper machine dryer. 2,892,263, 6-30-59, Cl. 34-120.
- Hornbostel, Lloyd, to Beloit Iron Works. Table roll and deflector suction device. 2,900,023, 8-18-59, Cl. 162-352.
- Hornbostel, Lloyd, to Beloit Iron Works. Drum drier mechanism. 2,909,849, 10-27-59, Cl. 34-124.
- Hornbostel, Lloyd, to Beloit Iron Works. Press section. 2,911,040, 11-3-59, Cl. 162-305.
- Hornbostel, Lloyd, E. D. Beachler, and D. A. Ely, to Beloit Iron Works. Paper machine press section. 2,869,437, 1-20-59, Cl. 92-49.
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- Horne, James K., to Minneapolis-Honeywell Regulator Co. Solenoid valve. 2,890,015, 6-9-59, Cl. 251-130.
- Horne, James Q., Jr. Justifying means for printers. 2,887,941, 5-26-59, Cl. 95-85.
- Horne, John E., to Electronic Teaching Laboratories. Recording and reproducing apparatus for teaching languages. 2,876,561, 3-10-59, Cl. 35-35.
- Horne, Robert J. Centrifugal seals. 2,886,350, 5-12-59, Cl. 286-9.
- Horne, William A.: See—
- Benther, Harold, Horne, and Montgomery. 2,904,500.
- Henke, Alfred M., and Horne. 2,902,111.
- Horne, William A., and C. W. Montgomery, to Gulf Research & Development Co. Hydrodesulfurization catalyst and method of preparation. 2,913,421, 11-17-59, Cl. 252-441.
- Horne, George J. Roll up truck body cover with telescoping guides having adjustable mountings. 2,898,147, 8-4-59, Cl. 296-98.
- Horne, Herbert F., Jr., to Toro Mfg. Corp. Lawn trimmer and edger. 2,877,617, 3-17-59, Cl. 56-25.4.
- Horne, Hugh: See—
- Miskel, John J., Horner, and Kalnin. 2,873,886.
- Horne, Hugh, and J. A. Lott, to Chas. Pfizer & Co., Inc. Multi-partitioned container. 2,883,098, 4-21-59, Cl. 229-28.
- Horne, Leonard L., Jr., and J. L. Cross, to I-T-E Circuit Breaker Co. Remote control circuit and component. 2,901,686, 8-25-59, Cl. 323-114.
- Horne, Otto, to Siemens & Halske Akt. Conference circuit in two-way communication system with four-wire operation. 2,871,291, 1-27-59, Cl. 179-1.
- Hornbrook, Walter J., to E. I. du Pont de Nemours and Co. Resinous coating composition, method of preparing and method of coating with same. 2,918,391, 12-22-59, Cl. 117-75.
- Hornickel, Robert R.: See—
- Austin, Harry W., and Hornickel. 2,910,702.
- Hornickel, Robert R., to Mine Safety Appliances Co. Device for protecting ears from noise. 2,883,671, 4-28-59, Cl. 2-209.
- Hornickel, Robert R., and J. R. Fisher, to Mine Safety Appliances Co. Protective helmet with shock absorbing suspension. 2,879,513, 3-31-59, Cl. 2-3.
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- Hornig, Donald F., and G. E. Hyde. Ratio measurement apparatus. 2,896,165, 7-21-59, Cl. 324-140.
- Horning, Frederick P., to Allied Materials Corp. Compositions containing coal tar and a polysulfide polymer and pavement sealed therewith. 2,910,922, 11-3-59, Cl. 94-18.
- Horning, James W., 20% to F. Talarico, 20% to R. B. Jadin, 20% to A. P. Wells, and 20% to A. A. Frangell. Parachute. 2,919,085, 12-29-59, Cl. 244-142.
- Horning, Raymond H., and J. L. Wilcox, to Sealright-Oswego Falls Corp. Liquid tight container with fibrous side wall. 2,874,888, 2-24-59, Cl. 229-5.6.
- Horning, Wendell A., D. D. Lanning, and D. J. Donahue, to United States of America. Atomic Energy Commission. Neutronic reactor fuel element. 2,907,706, 10-6-59, Cl. 204-193.2.
- Hornke, William L. Luggage carrier for automobiles. 2,914,231, 11-24-59, Cl. 224-42.1.
- Hörnle, Reinhold: See—
- Raab, Hans, and Hörnle. 2,902,385.
- Hornsby, John W., J. B. Letherbury, and M. E. Willis, to New York Shipbuilding Corp. Method of operating an offshore working platform. 2,892,314, 6-30-59, Cl. 61-46.5.
- Hornsby, Vivian D., to The F. C. Thornton Co. Lever closing ring for containers. 2,905,496, 9-22-59, Cl. 292-256.69.
- Hornschuch, Hanns, to Ingersoll-Rand Co. Centrifugal blower. 2,876,946, 3-10-59, Cl. 230-127.
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- Horny, Charles, and M. Guinet, to Office National d'Etudes et de Recherches Aeronautiques. Methods of preparing synthetic organo silicon bromides. 2,888,477, 5-26-59, Cl. 260-448.2.
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- Horowitz, Harry, and A. Schneidman. Toy hand grenade. 2,897,630, 8-4-59, Cl. 46-196.
- Horowitz, Irving, to U. V. Mfg. Corp. High-voltage and impulse supply system. 2,906,918, 9-29-59, Cl. 315-37.
- Horowitz, Isadore. Bolted type corner fittings. 2,885,233, 5-5-59, Cl. 287-54.
- Horowitz, Isadore, to Universal Mfg. Co., Inc. Corner fittings. 2,904,359, 9-15-59, Cl. 287-54.
- Horowitz, Isadore, to Universal Mfg. Co., Inc. Playground rocker. 2,907,570, 10-6-59, Cl. 272-56.
- Horowitz, Leopold A., and R. W. Sonnenfeldt, to Radio Corp. of America. Negative resistance oscillator. 2,872,580, 2-3-59, Cl. 250-36.
- Horowitz, Leopold A., and G. C. Hermeling, Jr., to Radio Corp. of America. Tuned amplifier neutralization system. 2,902,546, 9-1-59, Cl. 179-171.
- Horowitz, Sidney, to Inventors Assn., Inc. Bedpan vehicle. 2,899,694, 8-18-59, Cl. 5-90.
- Horsell, Theodore H., to Fairchild Engine and Airplane Corp. Aircraft heating system. 2,869,535, 1-20-59, Cl. 126-110.
- Horrigan, Daniel L., to Western Reserve University. Hypochromic anemia factor and process of producing same. 2,918,409, 12-22-59, Cl. 167-74.6.
- Horrigan, Robert V., and O. F. Sprague, to National Lead Co. Purification of zirconium tetrachloride. 2,916,362, 12-8-59, Cl. 23-294.
- Horrocks-Ibbotson Co.: See—
- Cunningham, Claude J., and Labaj. 2,885,816.
- Horrocks, Raymond G., C. de V. Miller, and T. J. Brenner, to PIM Products, Inc. Aerial cable support and spacer. 2,912,482, 11-10-59, Cl. 174-146.
- Horrom, Bruce W.: See—
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- Horrom, Bruce W., Abbott Laboratories. Article of manufacture. 2,916,417, 12-8-59, Cl. 167-65.
- Horselling, Jan, to North American Phillips Co., Inc. Degassing device. 2,894,529, 7-14-59, Cl. 137-315.
- Horsfall, Harold. Laboratory dyeing machine. 2,901,902, 9-1-59, Cl. 68-170.
- Horsfall, Robert B., to North American Aviation, Inc. Variable pressure angle cam drive. 2,911,836, 11-10-59, Cl. 74-89.
- Horsley, David S. Electronic motion picture printer. 2,912,487, 11-10-59, Cl. 178-5.2.
- Horsley, Edward A., to Provincial Engineering Ltd. Cooling system for power components of travelling cranes and the like. 2,912,122, 11-10-59, Cl. 212-21.
- Horsley, Lee H., and P. S. Petrie, to The Dow Chemical Co. Process for producing isobutyl ethers. 2,886,600, 5-12-59, Cl. 260-613.
- Horsley, Lee H., and E. C. Britton, to The Dow Chemical Co. Polyglycol ether surface-active agents. 2,888,489, 5-26-59, Cl. 260-613.
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- Horsman, Gilbert A., to Raytheon Mfg. Co. Depth sounder keying and writing apparatus. 2,867,492, 1-6-59, Cl. 346-74.
- Horst, John C.: See—
- Thomas, Peter C., and Horst. 2,896,513.
- Horst, John C. Device for measuring the diameter of a railway car axle in an axle box. 2,896,331, 7-28-59, Cl. 33-178.
- Horst, Paul V. Combined calf and foal puller and hoist. 2,868,207, 1-13-59, Cl. 128-352.
- Horst, Raymond W.: See—
- Greenberg, Harry, and Horst. 2,902,462.
- Horst, William R.: See—
- Parker, James C., and Horst. 2,875,666.
- Horst, William R., to The Commonwealth Engineering Co. of Ohio. Portable strain gauge calibrator. 2,901,905, 9-1-59, Cl. 73-1.
- Horsting, William F., Sr., 25% to I. M. Jones. Resilient centering device for concentric cylindrical members. 2,915,089, 12-1-59, Cl. 138-87.
- Horstmann Clifford Magnetics Ltd.: See—
- Clifford, Cecil F. 2,913,905.
- Horstmann, Kenneth J., and L. G. M. Payne. Electric time switches. 2,904,648, 9-15-59, Cl. 200-38.



- Horswood, George E.: See—  
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- Hort, Eugene V.: See—  
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- Hort, Eugene V., to Celanese Corp. of America. Thixotropic resin composition comprising an unsaturated alkyl resin, styrene and silica aerogel. 2,857,461, 5-19-59, Cl. 260-40.
- Hort, Eugene V., and D. E. Graham, to General Aniline & Film Corp. Stabilized heat polymerizable N-vinyl pyrrole compounds. 2,883,393, 4-21-59, Cl. 260-315.
- Hortman, Harvey E., Jr., to Proctor Electric Co. Ironing table. 2,896,347, 7-28-59, Cl. 38-121.
- Horton, Aaron W.: See—  
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- Horton, Charles T., and H. A. Hight, Jr. Garment. 2,867,215, 1-6-59, Cl. 128-399.
- Horton, Donelson B., to John Blue Co., Inc. Anhydrous ammonia metering device. 2,909,191, 10-20-59, Cl. 137-501.
- Horton, Erwin C.: See—  
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- Hortoth, Erwin C., to Trico Products Corp. Fuel feed for automotive vehicles. 2,891,606, 6-23-59, Cl. 158-36.5.
- Horton, Frank: See—  
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- Horton, Frank, & Co.: See—  
Lisle, Henry L. 2,900,931.
- Horton, Gilmer F. High pressure check valve. 2,886,058, 5-12-59, Cl. 137-484.2.
- Horton, Jerry W. Impact responsive camera for automobiles. 2,888,530, 5-26-59, Cl. 200-61.52.
- Horton, John F., Jr. Ice cube maker and dispenser. 2,900,803, 8-25-59, Cl. 62-157.
- Horton, Richard C., W. H. Miller, and W. K. Lydic, to Owens-Corning Fiberglass Corp. Process for manufacture of coated filamentary material. 2,867,891, 1-13-59, Cl. 28-73.
- Horton, Robert A.: See—  
Feagin, Roy C., Sosman, and Horton. 2,911,311.
- Horton, William A. Portable sound recording moving picture apparatus. 2,873,645, 2-17-59, Cl. 88-16.
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- Gietl, Edward W. 2,871,811.
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- Milliken, Thomas H., Jr. 2,892,771.
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Howard, Harold T., and D. G. Wilkinson, to Imperial Chemical Industries Ltd. New coloring matters. 2,889,327, 6-2-59, Cl. 260-251.  
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Lautner, Max E. 2,904,709.  
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Howard, John C., to The Norwich Pharmacal Co. New chemical compound, 1-(4-chlorophenyl)-3-(5-nitro-2-furyl)-2-propen-1-one. 2,906,752, 9-29-59, Cl. 260-240.  
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Howard, Lawrence E. Root cutters. 2,882,622, 4-21-59, Cl. 37-145.  
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Howard, Percy A. Mounting for pipe end abraders. 2,869,293, 1-20-59, Cl. 51-241.  
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Howard, Robert E., and E. B. Miller, to Monsanto Chemical Co. Reduction of phthalimide. 2,919,282, 12-29-59, Cl. 260-343.3.  
Howard, Thomas P., to Pneumatic Scale Corp., Ltd. Packaging machine. 2,868,375, 1-13-59, Cl. 209-121.  
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Howard, William L., to Wellin-Maclachlan Davits, Ltd. Winding and paying-out apparatus. 2,908,481, 10-13-59, Cl. 254-185.  
Howarth, David V., to Natural Lighting Corp. Lamp. 2,894,693, 7-14-59, Cl. 240-41.  
Howatt, Glenn N., to Gulton Industries, Inc. Thermosensitive resistance element. 2,868,935, 1-13-59, Cl. 201-63.  
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Howe, Goodwin H., to General Electric Co. Magnetic nickel base material and method of making. 2,891,883, 6-23-59, Cl. 148-2.  
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Howe, John P.: See—  
Leverett, Miles C., and Howe. 2,870,075.  
Howe, Milton A., Jr.: See—  
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Howe, Warren B., to Addressograph-Multigraph Corp. Printing. 2,915,006, 12-1-59, Cl. 101-148.  
Howe, Wilfred C., to Crompton & Knowles Corp. Photoelectric web detecting system for loom. 2,911,013, 11-3-59, Cl. 139-273.  
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Stener, Stewart, Stephenson, and Howell. 2,917,695.  
Howell, Alun R., to The Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Power plant incorporating a dynamic compressor. 2,883,828, 4-28-59, Cl. 60-35.6.  
Howell, Charles A. Signalling apparatus for garages. 2,879,350, 3-24-59, Cl. 200-61.41.  
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Howell, Edward K., to General Electric Co. Time delay switches. 2,913,549, 11-17-59, Cl. 200-88.  
Howell, Emory L., to The Dayton Rubber Co. Fiber processing unit. 2,912,722, 11-17-59, Cl. 19-131.  
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Klaassen, William. 2,909,168.  
Howell, Hugh A., to Oak Mfg. Co. Chopper. 2,894,094, 7-7-59, Cl. 200-90.  
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Jacobs, John E., and Howell. 2,907,883.  
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Howell, Sabert N., to Servo Corp. of America. Optical pyrometer. 2,869,369, 1-20-59, Cl. 73-355.  
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Howell, William, to Mallory-Sharon Metals Corp. Titanium press scrap recovery and electrode manufacture. 2,898,672, 8-11-59, Cl. 29-184.  
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Howell, William D., to Atomic Energy of Canada Ltd. D.C. amplifier. 2,903,524, 9-8-59, Cl. 179-171.  
Howells, Thomas J.: See—  
Scheuer, Ernst, and Howells. 2,906,644.  
Hower, Robert S.: See—  
Bradley, Harry L., and Hower. 2,899,611.  
Howerton, Dorothy: See—  
Carlton, Vida M. 2,867,917.

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Nicolls, Wilfrid E. W., and Howes. 2,878,064.  
Howes, Ronald B.: See—  
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Howes, Royal E., to The National Cash Register Co. Multiple delay line. 2,900,533, 8-18-59, Cl. 307-88.5.  
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Howland, Alfred H., E. M. Hughes, H. Ford, and N. P. W. Moore, to National Research Development Corp. Combustion chambers. 2,868,857, 1-13-59, Cl. 260-679.  
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Howlett, Frank K., Butler, and J. A. Low, to British Nylon Spinners Ltd. Viscosity stabilization of polyamides with ortho-aminic diamines. 2,907,754, 10-6-59, Cl. 260-78.  
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Howlett, Percy W. Play curling game. 2,900,189, 8-18-59, Cl. 273-126.  
Howorth, Donald W. Slip ring mount for telescopes. 2,908,459, 10-13-59, Cl. 248-38.  
Howry-Berg Steel & Iron Works, Inc.: See—  
Liston, Earl C. 2,881,848.  
Howsam, Hilyard C. Reel structure. 2,899,147, 8-11-59, Cl. 242-118.6.  
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Dixon, Thomas P., and Howse. 2,897,259.  
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Wootton, Gerald V., and Hoxie. 2,871,214.  
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Eddy, Thomas A., and Hoyer. 2,898,161.  
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Hoyer, Llewellyn E., to American Brake Shoe Co. Journal bearing lubricators. 2,915,347, 12-1-59, Cl. 308-243.  
Hoyer, Llewellyn E., and I. E. Cox, to American Brake Shoe Co. Journal boxes. 2,868,595, 1-13-59, Cl. 308-38.  
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Hoyt, Earl H., Jr. Arrow head. 2,905,470, 9-22-59, Cl. 273-106.5.  
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Honn, Francis J., and Hoyt. 2,915,509.  
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- Standt, Harold E., and Hradel. 2,889,773.
- Hradel, Joseph R. Detonation of unprimed base charges. 2,867,172, 1-6-59, Cl. 102-23.
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- Hruby, Mirko: See—
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- Hruska, Howard E., to Bendix Aviation Corp. Diaphragm type control valve having hydraulic reaction. 2,875,781, 3-3-59, Cl. 137-62.2.
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- Hammond Milton B., and Hrusovsky. 2,902,275.
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- Hsu, Ming C., and R. M. Stallard, to General Motors Corp. Method for making embossed decorative articles. 2,914,109, 11-24-59, Cl. 154-106.
- Hu, Kuo-Chen. Magnetic subharmonic pulser. 2,882,426, 4-14-59, Cl. 307-106.
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- Dwork, Leo E., and Huang. 2,901,612.
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- Huang, Robert Y.: See—
- Grandmont, Paul E., Huang, and Cheng. 2,879,486.
- Hub Oil Tool Co., Inc.: See—
- Coyle, William E. 2,903,073.
- Hub Stamping and Mfg. Co.: See—
- Urban, Wilbur J. 2,895,777.
- Hubbard, Addison W.: See—
- Nelson, Joseph F., Ford, and Hubbard. 2,872,384.
- Hubbard, Albert B.: See—
- Evans, Thomas, Roth and Hubbard. 2,881,581.
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- Mack, Jules A., and Hoehner. 2,908,469.
- Stroup, Charles L., and Westrom. 2,910,560.
- Hubbard, Eber J., to Hubbard Spool Co. Wire processing and storage container. 2,869,719, 1-20-59, Cl. 206-1.
- Hubbard, Eber J., to The American Pulley Co. Spool construction. 2,881,986, 4-14-59, Cl. 242-118.4.
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- Herrnstadt, Gerald E., and Hubbard. 2,890,813.
- Hubbard, Linus O., to Bendix Aviation Corp. Oscillator and amplifier circuit. 2,901,557, 8-25-59, Cl. 179-171.
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- Boicey, Charles R., and Hubbard. 2,886,864.
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- Birkhoff, Robert D., Hubbell, and Johnson. 2,875,343.
- Hubbell, Harvey, to Harvey Hubbell, Inc. Stripless wiring for electrical wiring devices. 2,873,435, 2-10-59, Cl. 339-97.
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- Hubbell, Harvey, Jr. 2,869,102.
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- Hubbell, John P., to United States of America. Atomic Energy Commission. Apparatus for handling mixtures of solid materials. 2,901,007, 8-25-59, Cl. 141-73.
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- Huber, Georg: See—
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- Huber Industries, Inc.: See—
- Roeder, Russell R., Jr. 2,905,427.
- Huber, J. M., Corp.: See—
- Behre, Johannes, and Williams. 2,873,919.
- Lister, Roscoe C. 2,913,051.
- Millman, Nathan, and Whitley. 2,907,666.
- Van Volkenburgh, Ross. 2,890,190.
- Voet, Andries. 2,891,872.
- Voet, Andries. 2,893,887.
- Huber, John R., to Eastern Rotorcraft Corp. Rope adjusting and snubbing device. 2,896,283, 7-28-59, Cl. 24-71.1.
- Huber, John R., to Eastern Rotorcraft Corp. Strap clamp device. 2,896,290, 7-28-59, Cl. 24-273.
- Huber, Matthew W., to The New York Air Brake Co. Pump. 2,867,976, 1-13-59, Cl. 60-52.
- Huber, Norman V.: See—
- Griss, Charles H., and Huber. 2,889,737.
- Huber, Paul: See—
- Lamb, Francis X., and Huber. 2,887,657.
- Lamb, Francis X., Huber, Estoppey, Roy, and Dempster. 2,875,409.
- Huber, Paul P., to Daystrom, Inc. Instrument bearing arrangement. 2,896,167, 7-21-59, Cl. 324-155.
- Huber, Richard: See—
- Sindel, Johann, Huber, and Zottmann. 2,903,408.
- Huber, Richard, to Eastern Rotorcraft Corp. Chain securing device with tilting block. 2,903,787, 9-15-59, Cl. 24-116.
- Huber, Robert, to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S.A. Devices for the adjustment of a system including at least one auto-generator of power gases and a receiver machine operated by said gases. 2,879,640, 3-31-59, Cl. 60-13.
- Huber, Robert, to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S.A. Gas turbines which are for a time mechanically driven in a direction opposed to their normal running direction. 2,902,255, 9-1-59, Cl. 253-70.

- Huber, Robert, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie, S.A. Power plants comprising free-piston gas generators adapted to supply hot power gas to a gas engine such as a gas turbine. 2,903,599, 9-8-59, Cl. 290-4.
- Huber, Robert, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie, S.A. Devices for keeping two free piston machines at least temporarily in phase with each other. 2,912,964, 11-17-59, Cl. 123-46.
- Huber, Ronald F.: See—
- Yonkers, Edward H., and Huber. 2,906,925.
- Huber, Ronald F., to Joslyn Mfg. and Supply Co. Spark gap unit. 2,906,922, 9-29-59, Cl. 315-59.
- Huber, Theodore A., to Jersey Production Research Co. Gun perforator. 2,876,843, 3-10-59, Cl. 166-55.
- Huber, William A. Television transmission system. 2,881,427, 4-7-59, Cl. 343-200.
- Huber, William W., to United States Ceramic Tile Co. Insert tool holder. 2,897,580, 8-4-59, Cl. 29-96.
- Hubers, Bernard C. Towel cabinet. 2,892,579, 6-30-59, Cl. 225-12.
- Hubers, Hendrik J., to North American Phillips Co., Inc. Device for driving perforated picture film tape by means of a constant speed sprocket. 2,890,045, 6-9-59, Cl. 271-23.
- Hubert, Clarence A., to International Harvester Co. Independent power take-off mechanism. 2,899,034, 8-11-59, Cl. 192-48.
- Hubert, Clarence A., W. C. Rosenthal, and R. D. Barrett, to International Harvester Co. Reverse creeper-drive for tractors. 2,881,627, 4-14-59, Cl. 74-360.
- Hubert, Maryann J. Two-part baking apparatus. 2,889,766, 6-9-59, Cl. 99-439.
- Hublak, Walter: See—
- Lehr, Raymond J., and Hublak. 2,898,796.
- Hubl, Franz, to Kelnzle Apparate G. m. b. H. Electrically operated text writing device for bookkeeping machines. 2,870,897, 1-27-59, Cl. 197-18.
- Hubl, Johann, to Landis Machine Co. Work feeding and transfer mechanisms. 2,870,663, 1-27-59, Cl. 80-6.
- Hubl, Johann, to Landis Machine Co. Workpiece transfer cylinder for rolling mechanisms. 2,871,736, 2-3-59, Cl. 80-6.
- Huble Mfg. Co., The: See—
- Bair, Richard H. 2,896,708.
- Welmer, John H. 2,912,780.
- Hubner, Franz K. Butt seam joints for sheet material and the like. 2,897,567, 8-4-59, Cl. 24-203.13.
- Hübner, Gustav: See—
- Albert, Franz, and Hübner. 2,888,212.
- Hübner, Gustav, and F. Albert, to Societe d'Equipements Industriels et Latiers. Comminuting machine. 2,888,213, 5-26-59, Cl. 241-46.
- Hübner, Hans H.: See—
- Neumann, Horst, Viehman, and Hübner. 2,909,466.
- Hubner, Udo, to International Standard Electric Corp. Electromagnetic impulse counter. 2,896,191, 7-21-59, Cl. 340-165.
- Hübner, Walter W. G., E. Lange, and E. Rindlsbacher, to Henkel & Cie. A.G. Production of granular perborates. 2,900,668, 8-25-59, Cl. 18-47.5.
- Huch, Carl W., and Carl W. Huch, Jr. Dry wall of bricks. 2,882,689, 4-21-59, Cl. 61-35.
- Huch, Carl W., Jr.: See—
- Huch, Carl W., and Carl W. Huch, Jr. 2,882,689.
- Huch, William F., to United States of America, Navy. Means for prolonging balloon flight. 2,904,285, 9-15-59, Cl. 244-31.
- Huck, William F., E. P. Ney, and J. R. Winckler, to United States of America, Navy. Duct appendix balloon. 2,900,147, 8-18-59, Cl. 244-31.
- Huchler, Otto: See—
- Kroepfer, Hugo, Wirth, and Huchler. 2,914,554.
- Huck, Alfred J. Toaster control using negative temperature coefficient resistor. 2,891,463, 6-23-59, Cl. 99-329.
- Huck, Alfred J. Toaster control. 2,891,464, 6-23-59, Cl. 99-329.
- Huck, Alfred J., to Knapp-Monarch Co. Combination griddle and fryer. 2,907,862, 10-6-59, Cl. 219-44.
- Huck, Alfred J., and C. D. Visos, to Knapp-Monarch Co. Automatic coffee maker for instant coffee. 2,898,842, 8-11-59, Cl. 99-275.
- Huck, Charles V. Flush tank ball valve stem guide. 2,869,142, 1-20-59, Cl. 4-57.
- Huck Co.: See—
- Huck, William F. 2,883,186.
- Huck, William F. 2,911,847.
- Huck Mfg. Co.: See—
- Brillmyer, Harold G. 2,887,003.
- Wait, Noel F. 2,916,828.
- Huck, William F., to Huck Co. Web tension control mechanism. 2,883,186, 4-21-59, Cl. 271-2.3.
- Huck, William F., to Huck Co. Backlash take-up gears. 2,911,847, 11-10-59, Cl. 74-440.
- Huck, William F., A. J. Albrecht, and D. P. Sanford, to The Brunswick Automatic Pinsetter Corp. Clutch. 2,911,079, 11-3-59, Cl. 192-3.5.
- Huckabee, Thad T. Cold smoking food products. 2,893,879, 7-7-59, Cl. 99-229.
- Hudachek, Raymond J., to California Research Corp. Rotation indicator for wax chiller. 2,877,993, 3-17-59, Cl. 259-1.
- Huddle, Edwin F., to International Harvester Co. Potato digger. 2,897,900, 8-4-59, Cl. 171-126.
- Huddle, Edwin F., and J. D. Clark, to International Harvester Co. Mower control mechanism. 2,895,278, 7-21-59, Cl. 56-25.
- Huddleston, Charles M.: See—
- Egler, Charles, and Huddleston. 2,884,529.
- Huddleston, Frank J., and D. H. Mooney, Jr., to United States of America, Navy. Subminiature servomechanism amplifier. 2,873,364, 2-10-59, Cl. 250-27.
- Huddleston, Richard H., Jr.: See—
- Carter, Daniel H., and Huddleston. 2,871,445.
- Huden, Thomas P. Ship's telegraph engine room recording mechanism. 2,906,581, 9-29-59, Cl. 346-8.
- Hudgens, Bernard C. 50% to R. B. Despard. Dispensing container. 2,876,782, 3-10-59, Cl. 132-74.5.
- Hudgin, Donald E., and F. Brown, to Celanese Corp. of America. Hydrogenating polymeric methyl isopropenyl ketone. 2,895,943, 7-21-59, Cl. 260-63.
- Hudkins, Clyde. Flush tank ball valve support assembly. 2,887,690, 5-26-59, Cl. 4-57.
- Hudkins, Clyde. Fishing bobber. 2,887,816, 5-26-59, Cl. 43-43.11.
- Hudkins, Clyde. Fishing bobber having temporary line retaining means. 2,888,773, 6-2-59, Cl. 43-43.11.
- Hudkins, Clyde, and R. R. Moore. Safety stop block. 2,870,506, 1-27-59, Cl. 24-129.
- Hudson, Arthur F. Metal cutting tool and holder. 2,903,781, 9-15-59, Cl. 29-96.
- Hudson, Arthur F. Contour forming machine. 2,916,858, 12-15-59, Cl. 51-127.
- Hudson, Carl E. Safety bobber for fish line. 2,892,283, 6-30-59, Cl. 43-43.4.
- Hudson, Charles H. Cannula. 2,868,199, 1-13-59, Cl. 128-206.
- Hudson, Charles N., to Sinclair Refining Co. Fuel oils. 2,917,375, 12-15-59, Cl. 44-62.
- Hudson, Doyle R.: See—
- Montgolf, Earl E., Smith, and Hudson. 2,903,934.
- Hudson, Edwin B. Fluid pressure actuated stabilizer for motor vehicles. 2,890,664, 6-9-59, Cl. 280-112.
- Hudson, Edwin M., and J. Vaccaro, Jr., to United States of America, Navy. Instrument illuminator. 2,907,869, 10-6-59, Cl. 240-2.1.
- Hudson Engineering Corp.: See—
- Goldsmith, John L., and James. 2,898,097.
- Hart, Frank W. 2,875,867.
- Petty, Macon. 2,909,230.
- Petty, Macon. 2,908,335.
- Hudson, Forrest H.: See—
- Brennan, Frederick S., Hudson, and Considine. 2,867,273.
- Hudson, Forrest H., to Ray-O-Lite Corp. of America. Awning end wing assembly jig. 2,870,531, 1-27-59, Cl. 29-283.
- Hudson, Geoffrey J., and W. E. Gregory, to Joseph Lucas (Industries) Ltd. Air-jacketed annular combustion chambers for jet-propulsion engines, gas turbines or like prime movers. 2,882,681, 4-21-59, Cl. 60-39.65.
- Hudson, George A., to Vickers Inc. Power transmission. 2,893,427, 7-21-59, Cl. 103-218.
- Hudson, George A., E. H. La Bombard, and O. A. Swanson, to Douglas Aircraft Co., Inc. High shear strength fastener. 2,907,418, 10-6-59, Cl. 189-36.
- Hudson, H. D. Mfg. Co.: See—
- Pinke, August H. 2,907,343.
- Pinke, August H. 2,918,082.
- Hudson, Harold R., W. Q. Nicholson, and M. C. Wilson, to Hycon Mfg. Co. Digital meter. 2,872,641, 2-3-59, Cl. 324-62.
- Hudson, Harold R., W. Q. Nicholson, and M. C. Wilson, to Hycon Mfg. Co. Digital meter. 2,889,518, 6-2-59, Cl. 324-115.
- Hudson, James E., to General Electric Co. Electric valve control circuit. 2,908,555, 10-13-59, Cl. 321-13.
- Hudson, James W., to The National Supply Co. Electrical fitting. 2,907,813, 10-6-59, Cl. 174-48.
- Hudson, James W., to The National Supply Co. Underfloor duct support. 2,912,197, 11-10-59, Cl. 248-49.
- Hudson, John L., to D. I. Bablitch. Finger ring with deformed metal joint. 2,884,770, 5-5-59, Cl. 63-15.7.
- Hudson, Lena M.: See—
- Hayes, John D., and Hudson. 2,889,745.
- Hudson Optical Corp.: See—
- Gross, Robert. 2,887,008.
- Hudson, Paul A.: See—
- Selby, Myron C., Allred, Hudson, and Berry. 2,883,620.
- Hudson, Paul S.: See—
- Potts, Mack F., Smith, and Hudson. 2,887,490.
- Smith, Warren L., Potts, and Hudson. 2,874,159.
- Hudson, Richard E., Jr.: See—
- Waddle, Howard M., Cotton, and Hudson. 2,870,041.
- Hudson, Richard P., and J. W. Mooney, to The American Tobacco Co. Cigarette weighing machine. 2,906,456, 9-29-59, Cl. 235-92.
- Hudson, Robert L., to The Dow Chemical Co. Chloroethylene polymer stabilized with 1,2-epoxypropan-3-one derivatives. 2,890,200, 6-9-59, Cl. 260-45.8.



- Hudson, Robert L., to The Dow Chemical Co. Thermal stabilization of haloethylene polymers. 2,918,450, 12-22-59, Cl. 260-45.8.
- Hudson, Roland B., and R. N. Beck. Method of continuous well logging during drilling. 2,910,133, 10-27-59, Cl. 181-5.
- Hudson-Sharp Machine Co.: See—  
Barlament, Norval S., and Campbell. 2,883,121.
- Hudson, Vincent L.: See—  
Klotz, Herman J., and Hudson. 2,879,331.
- Hudson, William L., to Tokheim Corp. Magnetically driven tank pump apparatus. 2,885,126, 5-5-59, Cl. 222-333.
- Hudson, William L., to Tokheim Corp. Gas separator and eliminator. 2,897,913, 8-4-59, Cl. 183-2.5.
- Hudspeth, Frederick E. S., and R. P. Graham, to Chrysler Corp. Fuel flow scheduling means for fuel control systems. 2,880,713, 4-7-59, Cl. 123-119.
- Hudy, James A.: See—  
Goldu, Robert F., and Hudy. 2,914,540.
- Hudy, James A., to Hercules Powder Co. Preparation of oxetane polymers. 2,895,924, 7-21-59, Cl. 260-2.
- Hueber, Carl J., to Addressograph-Multigraph Corp. Printing machines. 2,868,120, 1-13-59, Cl. 101-336.
- Huebner, Jack: See—  
Sautzenbacher, Charles W., and Huebner. 2,897,158.
- Huebner, Charles F., to Ciba Pharmaceutical Products, Inc. 2-(4-isopentylphenoxy)-imino, 3-(4-isopentylphenoxy)-thiazolidine and therapeutically useful salts. 2,877,232, 3-10-59, Cl. 260-306.7.
- Huebner, Charles F., and D. F. Dickel, to Ciba Pharmaceutical Products, Inc. 16-carbo-lower alkoxy-3-epiallo-yohimbene. 2,883,385, 4-21-59, Cl. 260-287.
- Huebner, William C., to The Standard Register Co. Apparatus for selecting printing characters. 2,869,443, 1-20-59, Cl. 95-4.5.
- Huebner, William C., to The Standard Register Co. Apparatus for reproducing images. 2,890,633, 6-16-59, Cl. 95-1.7.
- Huebner, William C., to The Standard Register Co. Apparatus for reproducing electrical information. 2,890,922, 6-16-59, Cl. 346-74.
- Huebner, William C., to The Standard Register Co. Apparatus for reproducing electrical information. 2,890,923, 6-16-59, Cl. 346-74.
- Huebscher, Herbert, to Standard Coil Products Co., Inc. Turbine tuner with variable coupling means for constant oscillation injection. 2,905,814, 9-22-59, Cl. 250-20.
- Huehn, Arthur M., and E. C. Evans. Armature testing device. 2,890,407, 6-9-59, Cl. 324-57.
- Huehn, Werner. Production of neutral salts of aluminum with water-soluble organic acids. 2,918,484, 12-22-59, Cl. 260-448.
- Huehnel, Alwin L., to Square D Co. Wiring duct. 2,867,681, 1-6-59, Cl. 174-101.
- Huehns, Elmer H. Garment cases. 2,902,144, 9-1-59, Cl. 206-7.
- Huelden, Heinrich, to Hansen-Lynn Co., Inc. Dispenser. 2,870,967, 1-27-59, Cl. 241-222.
- Huelden, Heinrich, to Hansen-Lynn Co., Inc. Tablet breaker and dispenser. 2,870,968, 1-27-59, Cl. 241-235.
- Huelsdonk, Lewis L. Mucker skip. 2,901,134, 8-25-59, Cl. 214-103.
- Huelskamp, Richard F.: See—  
Krantz, Frank M., and Huelskamp. 2,867,128.
- Hueni, Albrecht, to Ciba Pharmaceutical Products, Inc. 2-( $\gamma$ -tert-butyl-O,O'-dimethyl-phenyl-methyl)-imidazoline and salts. 2,868,802, 1-13-59, Cl. 260-309.6.
- Huentelman, Howard M. Automatic trailer brake operator. 2,916,107, 12-8-59, Cl. 188-112.
- Huet, André. Tubular heat exchanger with cores. 2,869,836, 1-20-59, Cl. 257-262.14.
- Huet, André, to Combustion Engineering, Inc. Tube bender having a support sleeve with a circular aperture merging into an oval aperture. 2,882,953, 4-21-59, Cl. 153-40.
- Huet, André, to Combustion Engineering, Inc. Tube and plate connection. 2,886,881, 5-19-59, Cl. 29-157.5.
- Huet, André. Methods and apparatus for bending tubes. 2,897,872, 8-4-59, Cl. 153-48.
- Huet, André. Tubular heat-exchanger. 2,905,447, 9-22-59, Cl. 257-262.14.
- Huet, André, to Combustion Engineering, Inc. Apparatus for the formation of necks on headers. 2,910,897, 11-3-59, Cl. 78-1.
- Huet, André, to Combustion Engineering, Inc. Apparatus for forming necks on headers and indexing means to align punch and matrix with work area of header. 2,911,029, 11-3-59, Cl. 153-2.
- Huet, André. Heat exchanger. 2,911,199, 11-3-59, Cl. 257-236.
- Huet, André P. J. Heat exchangers with catalytic combustion. 2,878,789, 3-24-59, Cl. 122-4.
- Huett, George, and W. O. Ranky, to Stepan Chemical Co. Production of alkyl phenols. 2,900,418, 8-18-59, Cl. 260-624.
- Huetten, Clarence, and F. C. Smith, to P. R. Mallory & Co., Inc. Printed circuit switch. 2,883,482, 4-21-59, Cl. 200-5.
- Huetten, Clarence, and E. D. Aldred, to P. R. Mallory & Co., Inc. Tube retainer. 2,895,118, 7-14-59, Cl. 339-75.
- Huey, Guy L., and E. J. Kies, to The Massillon-Cleveland-Akron Sign Co. Knockdown A frame construction. 2,887,234, 5-19-59, Cl. 211-177.
- Huey, John J., to The United Electric Coal Companies. Bearing and coupling assembly for roll feeders and the like. 2,901,898, 9-1-59, Cl. 64-14.
- Huff, D'Alan E. Educational device for teaching arithmetic. 2,901,839, 9-1-59, Cl. 35-70.
- Huff, Floyd C. Fiberboard package for paint. 2,903,371, 9-22-59, Cl. 229-34.
- Huff, George F., to Callery Chemical Co. Production of alkali metal hydrides. 2,884,311, 4-28-59, Cl. 23-204.
- Huff, James L. Gaging device for oil tanks. 2,906,471, 9-29-59, Cl. 242-84.8.
- Huff, John. Frame structure for caster pintle. 2,885,718, 5-12-59, Cl. 16-39.
- Huff, John. Foldable rack. 2,892,548, 6-30-59, Cl. 211-178.
- Huff, John. Four way expandable table with rail guards. 2,917,262, 12-15-59, Cl. 248-172.
- Huff, John B., to United States of America, Atomic Energy Commission. Treatment of fission product waste. 2,897,049, 7-28-59, Cl. 23-21.
- Huff, Joseph F.: See—  
Jones, William A., and Huff. 2,872,812.
- Huff, Joseph F., and S. S. Wisotsky, to American Radiator & Standard Sanitary Corp. Pressure and temperature measuring system. 2,882,503, 4-14-59, Cl. 336-30.
- Huff, Leslie R. Endless paper roll type drafting board. 2,894,355, 7-14-59, Cl. 45-131.
- Huff, Lloyd G.: See—  
Huff, Violet P. 2,891,140.
- Huff, Malvin, to Viewlex, Inc. Recycling variable motor timer. 2,898,993, 8-11-59, Cl. 161-1.
- Huff, Malvin, and E. J. Cassle, to Viewlex, Inc. Slide magazine advancing means. 2,874,497, 2-24-59, Cl. 40-79.
- Huff, Mildred J.: See—  
Huff, Violet P. 2,891,140.
- Huff, Violet P., to L. G. Huff, and to M. J. Huff. Vehicle light. 2,891,140, 6-16-59, Cl. 240-7.1.
- Huffadine, John B.: See—  
Moore, Norman C., and Huffadine. 2,893,112.
- Huffadine, John B., and R. W. Sanders, to The Plessey Co. Ltd. Resistors and resistor materials. 2,901,442, 8-25-59, Cl. 252-508.
- Huffington, Russell D., to United States Steel Corp. Kickout device for coils. 2,880,889, 4-7-59, Cl. 214-1.
- Huffman, Charles M., to Flour City Ornamental Iron Co. Weather stripping method of corner construction. 2,886,482, 5-12-59, Cl. 154-116.
- Huffman, Clifton J.: See—  
Ansel, Gerhard, and Huffman. 2,872,037.
- Harris, Clare S., and Huffman. 2,894,625.
- Huffman, Donald D., and E. C. Dwyer, to Westinghouse Air Brake Co. Railway signaling system. 2,884,517, 4-28-59, Cl. 246-34.
- Huffman, Robert L., to General Telephone Laboratories, Inc. Silicon carbide resistor mounting. 2,880,295, 3-31-59, Cl. 201-63.
- Huffman, Robert L., to General Telephone Laboratories, Inc. Coil winding machine. 2,916,220, 12-8-59, Cl. 242-4.
- Huffman, Samuel A.: See—  
Montgomery, William G., and Huffman. 2,905,084.
- Huffman, Thomas W., Jr.: See—  
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- Huffman, Thomas W., Sr., and T. W. Huffman, Jr. Supplemental cooling system for engine radiators. 2,887,097, 5-19-59, Cl. 123-41.51.
- Huffman, William A. H., to The Chemstrand Corp. Polyesters modified with chain terminating and chain branching agents and process for producing same. 2,895,946, 7-21-59, Cl. 260-75.
- Huffman, William A. H., to The Chemstrand Corp. Polyethylene terephthalates modified with chain-terminating compounds and process therefor. 2,905,657, 9-22-59, Cl. 260-75.
- Hufnagel, Andrew, to Westinghouse Air Brake Co. Electromagnetic switching devices. 2,897,317, 7-28-59, Cl. 200-104.
- Hufnagel, Andrew, to Westinghouse Air Brake Co. Timing relays. 2,916,582, 12-8-59, Cl. 200-97.
- Hufnagel, Edwin G., to Burry Biscuit Corp. Machine and method of making an ice cream and similar unit. 2,880,559, 4-7-59, Cl. 53-154.
- Hufnagl, Walter: See—  
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- Hug, Hans: See—  
Schmitt, Hans, Siebel, Altenpohl, Hug, and Nuesch. 2,886,432.
- Hug, Thomas F. Cigarette filter. 2,867,219, 1-6-59, Cl. 131-10.
- Huge, Henry M., to Lorain Products Corp. Time-delay relay circuit. 2,892,133, 6-23-59, Cl. 317-141.
- Huge, Henry M., to Lorain Products Corp. Reference voltage device. 2,896,147, 7-21-59, Cl. 321-25.
- Huge, Robert W., to E. P. Miller, Sr. Telescopic terminal for flexible drive systems. 2,899,805, 8-18-59, Cl. 64-4.
- Hugel, Georges, to Institut Français du Pétrole des Carburants et Lubrifiants. Nitrogenous thiomolybdates. 2,909,541, 10-20-59, Cl. 260-429.
- Hugg, James K., to The Firestone Tire & Rubber Co. Paving composition containing synthetic rubbery polymer. 2,868,749, 1-13-59, Cl. 260-28.5.

- Huggard, Joseph P., and P. Scott, to The General Electric Co. Ltd. Electric motors. 2,867,760, 1-6-59, Cl. 318-169.
- Huggins, Earl. Measuring tape. 2,867,187, 1-6-59, Cl. 116-132.
- Huggins, Homer D.: See—  
Bauernfeld, Norman G., and Huggins. 2,912,749.
- Huggins, James A., to Chrysler Corp. Suburban vehicle. 2,888,296, 5-26-59, Cl. 296-24.
- Huggins, James E., Jr. Method of assembling electronic components. 2,871,547, 2-3-59, Cl. 29-155.5.
- Huggins, John A., to Mead Johnson & Co. Concentrates of dialkyl sulfosuccinates. 2,870,061, 1-20-59, Cl. 167-56.
- Huggins, William H. Apparatus and method for detecting voids in dielectric sheet material. 2,873,425, 2-10-59, Cl. 324-54.
- Huggins-Young Co., Inc.: See—  
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- Hughes Aircraft Co.: See—  
Adamson, Phil A., and MacKnight. 2,916,209.
- Bennett, Robert R. 2,896,198.
- Beno, Joseph H. 2,913,770.
- Berger, Nardus N. 2,889,393.
- Berke, Nicholas E., Williams, and Fox. 2,891,720.
- Birdsall, Charles K., and Field. 2,885,641.
- Birdsall, Charles K., and Field. 2,896,117.
- Bird, all, Charles K., and Sensiper. 2,889,487.
- Blankenbaker, John V. 2,892,587.
- Blankenbaker, John V., and Johnson. 2,888,202.
- Brewer, George R. 2,869,022.
- Brewer, George R. 2,869,023.
- Brewer, George R. 2,888,605.
- Brewer, George R., and Sensiper. 2,869,018.
- Briggs, Vernon R. 2,877,949.
- Broadbent, Kent D. 2,919,432.
- Brower, David F. 2,897,462.
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- Chater, William T. 2,900,534.
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- Currie, Malcolm R. 2,869,021.
- Currie, Malcolm R. 2,911,558.
- Curtis, Daniel L. 2,914,699.
- Curtis, Daniel L. 2,883,525.
- Curtis, Daniel L. 2,903,606.
- Curtis, Daniel L. 2,903,677.
- Curtis, Daniel L. 2,918,586.
- Day, Richard A., and Bateman. 2,872,596.
- De Haven, Robert M. 2,885,163.
- Dexter, George W., and Ponda-Bonardi. 2,887,684.
- Ehrlich, Morris J. 2,879,508.
- Elliot, Robert S. 2,878,453.
- Everhart, Thomas E., and Birdsall. 2,870,367.
- Ewald, Howard H. 2,903,401.
- Frazier, William D., and Waseley. 2,915,678.
- Goodkoontz, James R., Jr. 2,870,728.
- Gudmundsen, Richard A., and Myer. 2,902,574.
- Haberland, Ernest R. 2,911,459.
- Hamilton, Douglas J. 2,868,897.
- Hecht, Lester S. 2,872,111.
- Heller, Elmer W. 2,877,692.
- Howe, Spencer D. 2,908,832.
- Iversen, Arthur H. 2,877,144.
- Iversen, Arthur H. 2,884,556.
- Iversen, Arthur H. 2,894,224.
- Iversen, Arthur H. 2,918,358.
- Johnson, Horace R. 2,899,594.
- Johnson, Horace R. 2,899,596.
- Johnson, Robert R. 2,876,437.
- Johnson, Robert R. 2,900,620.
- Johnson, Robert R. 2,907,877.
- Kelly, Kenneth C. 2,908,001.
- Korn, Bernard B. 2,904,143.
- Krause, Alfred J. 2,911,604.
- Kumagal, Tom T. 2,897,480.
- Kurtz, Louis A. 2,908,966.
- Lewis, Richard B. 2,899,672.
- Luffie, Sanford B. 2,879,385.
- MacFarland, Jay W., Jr. 2,885,039.
- MacIntyre, Alfred J., Jr., and Martel. 2,894,854.
- MacIntyre, Alfred J., Jr., and Martel. 2,900,271.
- Maxey, Thomas J. 2,878,448.
- McElroy, Melvin R. 2,898,470.
- McFadden, Norman F. 2,878,601.
- Morrison, Stephen C., and Williams. 2,891,149.
- Mulinch, George, and Crockett. 2,869,804.
- Myer, Jon H. 2,896,134.
- Nuttall, Hubert V., and Richardson. 2,896,091.
- Rasmussen, George. 2,904,768.
- Rector, Eugene M., and Wilcox. 2,918,587.
- Redding, Robert A. 2,914,717.
- Roche, Richard A., Mulinch, and Gagnon. 2,881,991.
- Romanelli, John. 2,904,706.
- Rose, Thomas H. 2,886,852.
- Rosen, Samuel A. 2,899,554.
- Sanders, Jack. 2,905,907.
- Sangster, Raymond C. 2,895,858.
- Sargeant, Homer L. 2,890,766.
- Schwartz, Bertram. 2,874,076.
- Sensiper, Samuel. 2,869,020.
- Sensiper, Samuel, and Wong. 2,911,555.
- Shank, Robert J., and Bowler. 2,878,466.
- Sinclair, John G., Jr. 2,894,223.
- Hughes Aircraft Co.: See—Continued  
Smith, Clarence G., and Allen. 2,887,554.
- Smith, Eugene E., and Van Kirk. 2,905,741.
- Smith, George F. 2,884,558.
- Smith, George F. 2,887,610.
- Smith, George F. 2,903,018.
- Smith, George F., and Koda. 2,887,597.
- Smith, Sidney T. 2,910,617.
- Speer, John H., Jr. 2,892,105.
- Stark, Louis. 2,897,459.
- Stear, Edwin B. 2,887,129.
- Sterns, William G. 2,878,472.
- Strassman, Alvin J., and Howard. 2,887,654.
- Strumwasser, Eric. 2,913,687.
- Taddeo, Phusto V. 2,905,887.
- Tyson, Owen A. 2,911,585.
- Van Atta, Lester C. 2,908,002.
- Van Atta, Lester C., Adcock, and Kinaga. 2,908,904.
- Veach, Carlos W., and Crope. 2,894,184.
- Warren, William B., and Wohlman. 2,893,185.
- Watkins, Dean A. 2,869,019.
- Weglein, Rolf D. 2,880,354.
- Wheeler, Bryce A. 2,883,636.
- Williams, George L. 2,904,328.
- Wohlman, Fred. 2,877,533.
- Wohlman, Fred. 2,877,603.
- Wohlman, Fred. 2,913,212.
- Wohlman, Fred, Jr. 2,885,849.
- Yaru, Nicholas. 2,894,261.
- Ziegler, Robert M., Jr. 2,897,312.
- Hughes, Alvin W. Massager with relatively movable fingers. 2,867,211, 1-6-59, Cl. 128-49.
- Hughes, Arthur C., Jr., and G. W. Smith, to G. M. Giannini & Co., Inc. Fluid stream direction indicator with mechanical filter. 2,918,817, 12-29-59, Cl. 73-180.
- Hughes, Arthur J.: See—  
Rowan, Will H., Marquez, Bayer, and Hughes. 2,891,522.
- Hughes, Brian: See—  
Richmond, Kenneth W., and Hughes. 2,886,532.
- Hughes, Charles W., A. W. Schmid, and C. S. Hallam. Continuous incinerator structures. 2,912,941, 11-17-59, Cl. 110-8.
- Hughes, David A., to Western Electric Co., Inc. Open seam detection. 2,886,966, 5-19-59, Cl. 73-88.
- Hughes, David C.: See—  
Reiner, Stewart, Hughes, and Scheiner. 2,877,308.
- Hughes, Donald N., to The Magnavox Co. Multi speed centrifuge. 2,891,398, 6-23-59, Cl. 73-1.
- Hughes, E. Griffiths, Ltd.: See—  
Blench, Ronald O. 2,918,372.
- Hughes, Edward M.: See—  
Howland, Alfred H., Hughes, Ford, and Moore. 2,868,857.
- Hughes, Edward M., A. H. Howland, and P. Grootenhuys, to National Research Development Corp. Production of unsaturated hydrocarbons. 2,870,231, 1-20-59, Cl. 260-679.
- Hughes, Edwin L., to Paramount Pictures Corp. Television secrecy system with width modulated synchronizing pulses. 2,892,882, 6-30-59, Cl. 178-5.1.
- Hughes, Ernest S., Jr.: See—  
Hamilton, Francis E., Hawkins, Lawhead, and Hughes. 2,901,166.
- Hamilton, Francis E., Hughes, Smith, and Furr. 2,919,429.
- Hamilton, Francis E., Troy, and Hughes. 2,877,450.
- Hughes, Fred: See—  
Wood-Mallock, James C., and Hughes. 2,868,730.
- Hughes, Frederick C. Fish lure retriever. 2,915,845, 12-8-59, Cl. 43-17.2.
- Hughes, Hargis P., and N. M. White. Fluid replenisher and combined indicator and signal for hydraulic brake systems. 2,887,880, 5-26-59, Cl. 73-313.
- Hughes, Harris G.: See—  
McDonald, Leighton S., and Hughes. 2,917,554.
- McDonald, Leighton S., Hughes, and Crabb. 2,917,555.
- Hughes, James H.: See—  
Snow, Robert D., and Hughes. 2,912,944.
- Hughes, John D., to Westinghouse Electric Corp. Pumping apparatus for laundry equipment. 2,884,776, 5-5-59, Cl. 68-20.
- Hughes, John D., to Westinghouse Electric Corp. Apparatus for washing and drying fabrics. 2,910,854, 11-3-59, Cl. 68-18.
- Hughes, Lawrence J., and L. J. Weaver, to Monsanto Chemical Co. Ullmann reaction. 2,907,799, 10-6-59, Cl. 260-668.
- Hughes, Leland O.: See—  
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- Hughes, Leonard A. Electronic colorimeter. 2,915,938, 12-8-59, Cl. 88-14.
- Hughes, Max. Frozen confection loader and container. 2,874,736, 2-24-59, Cl. 141-234.
- Hughes, Norman J., to United-Carr Fastener Corp. Method of making lock nuts. 2,908,920, 10-20-59, Cl. 10-86.
- Hughes, Patrick H. Portable automobile fender cover. 2,919,141, 12-29-59, Cl. 280-150.
- Hughes, Peter J. Method and apparatus for solidifying steel ingots. 2,875,483, 3-3-59, Cl. 22-73.
- Hughes, Philip G., to General Electric Co. Control system for clothes dryers. 2,878,580, 3-24-59, Cl. 34-45.



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- Hughes, Robert W., to Joy Mfg. Co. Apparatus for and method of separating gases. 2,904,966, 9-22-59, Cl. 62-13.
- Hughes, Robert W., to International Telephone and Telegraph Corp. Communication system. 2,912,506, 11-10-59, Cl. 179-15.
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- Hughes, Robert W., to International Telephone and Telegraph Corp. Repeater station for a pulse multiplex system. 2,912,508, 11-10-59, Cl. 179-15.
- Hughes, Robert W., to International Telephone and Telegraph Corp. Crosstalk suppression. 2,912,509, 11-10-59, Cl. 179-15.
- Hughes, Robert W., and H. K. Fleisch, to International Telephone and Telegraph Corp. Data processing control system. 2,894,249, 7-7-59, Cl. 340-174.
- Hughes, Robert W., and S. C. Collins, to Joy Mfg. Co. Apparatus for separating gases. 2,902,833, 9-8-59, Cl. 62-37.
- Hughes, Stuart B.: See—  
Milley, Walter M., Hughes, and High. 2,876,125.
- Hughes, Thomas H., to Pittsburgh Plate Glass Co. Multiple glazed unit. 2,873,486, 2-17-59, Cl. 20-36.5.
- Hughes Tool Co.: See—  
McKenzie, Wilfred M. 2,910,938.  
Scott, Floyd L. 2,901,223.
- Hughes Tool Co., Aircraft Division: See—  
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Grant, David, and Strong. 2,913,005.
- Hughes, Vincent L.: See—  
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Kirshenbaum, Isidor, Hughes, and Banes. 2,909,538.
- Hughes, Vincent L., to Esso Research and Engineering Co. Carbonylation synthesis reaction. 2,880,241, 3-31-59, Cl. 260-604.
- Hughes, Vincent L., I. Kirshenbaum, and A. A. Schetelich, to Esso Research and Engineering Co. Process of esterification in the presence of hydroxylamine to inhibit discoloration. 2,876,253, 3-3-59, Cl. 260-475.
- Hughes, Vincent L., I. Kirshenbaum, and A. A. Schetelich, to Esso Research and Engineering Co. Esterification process for producing purified plasticized esters. 2,903,477, 9-8-59, Cl. 260-475.
- Hughes, Vincent L., I. Kirshenbaum, and A. A. Schetelich, to Esso Research and Engineering Co. Purification of plasticizer esters. 2,909,562, 10-20-59, Cl. 260-475.
- Hughes, William B., to Cities Service Research and Development Co. Method and composition for inhibiting corrosion of metals. 2,868,727, 1-13-59, Cl. 252-8.55.
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- Hughes, William B., to Cities Service Research and Development Co. Imidazoline derivatives. 2,889,334, 6-2-59, Cl. 260-309.6.
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- Hughes, William B., to Cities Service Research and Development Co. Compounds containing the imidazoline and imidazolidone or imidazolidinethione groups. 2,893,961, 7-21-59, Cl. 260-309.6.
- Hughes, William B., to Cities Service Research and Development Co. Certain imidazolidineguanillimine compounds. 2,899,442, 8-11-59, Cl. 260-309.7.
- Hughes, William B., to Cities Service Research and Development Co. 1-(2-thiazolynyl), 4-(2-oxazolynyl) benzene. 2,911,419, 11-3-59, Cl. 260-306.7.
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- Hughes, William B., and V. L. Stromberg, to Petrolite Corp. Prevention of rust and corrosion. 2,888,401, 5-26-59, Cl. 252-8.55.
- Hughes, William B., and W. S. Fallgatter, to Cities Service Research and Development Co. Solvent separation of hydrocarbons. 2,904,508, 9-15-59, Cl. 208-311.
- Hughes, William C., and M. Skrivaneck, to United States of America, Army. Frequency sweep generator. 2,881,318, 4-7-59, Cl. 250-36.
- Hughes, William F.: See—  
Matteson, Benjamin H., Hughes, and Ayer. 2,910,627.
- Hughes, William J., S. S. Haynes, J. E. Tracey, and E. L. Wheeler, to Bendix Aviation Corp. Machine for electrically welding aneroid capsules and other weldable articles in an evacuated chamber, and method. 2,899,538, 8-11-59, Cl. 219-82.
- Hughes-Caley, George F. Lugged engagement type coupling with reciprocable sleeve locking means. 2,889,158, 6-2-59, Cl. 285-86.
- Hughey, Carter J.: See—  
Michatek, Stephen F., Hughey, and Ferris. 2,908,208.
- Hughson, Douglas, J. H. O'Brien, and J. E. Witzky, to Studebaker-Packard Corp. Smoke control mechanism for diesel engines. 2,914,056, 11-24-59, Cl. 123-140.
- Hughson, J. Donald, to General Railway Signal Co. Frequency responsive train speed control system with direct current check circuit. 2,915,623, 12-1-59, Cl. 246-182.
- Hügler, Gebhard. Gate drive with slider crank. 2,893,141, 7-7-59, Cl. 39-7.
- Hugman, Robert H. H. Custom positioned golf club grip. 2,876,010, 3-3-59, Cl. 273-81.2.
- Huguenin, Marc, to Montres Rolex S.A. Bearing for time-piece. 2,886,943, 5-19-59, Cl. 58-140.
- Huguenin, Marc, to Montres Rolex S.A. Coupling device incorporating a free wheel mechanism chiefly for use in time-pieces. 2,896,759, 7-28-59, Cl. 192-46.
- Huhtala, William. Pipe brush. 2,903,731, 9-15-59, Cl. 15-230.
- Hul, In W., and S. Kruty, to Dearborn Chemical Co. Insulated pipe, reinforced laminated sheet material and method of making the sheet material. 2,897,841, 8-4-59, Cl. 138-64.
- Huiskens, Wilhelm: See—  
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- Huisking, Joseph C., to Pomona Foundry, Inc. Box-stacking mechanism. 2,897,949, 8-4-59, Cl. 198-35.
- Huisman, Hendrikus O., and A. Smilt, to North American Phillips Co., Inc. Method of producing aldehydes by hydrolysis of aldimines obtained by reduction of nitriles. 2,904,594, 9-15-59, Cl. 260-598.
- Huitson, Robert R., to The British Thomson-Houston Co. Ltd. Ventilating plants. 2,891,717, 6-23-59, Cl. 230-2.
- Hulbert, Charles C., to The Pure Oil Co. Freezing point tester. 2,903,882, 9-15-59, Cl. 73-17.
- Hulbert, Charles C., to The Pure Oil Co. Method and apparatus for the rapid determination of the content of volatile combustibles and flash point of oils. 2,911,821, 11-10-59, Cl. 73-36.
- Hulbert, Edward A.: See—  
Bachle, Carl F., and Hulbert. 2,913,083.  
Prescott, Ford L., and Hulbert. 2,911,964.
- Hulbert, George C. E. B.: See—  
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- Hulbert, Warren D.: See—  
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- Hulburt, Hugh M., and D. Hyman, to American Cyanamid Co. Process for the preparation of cyanogen. 2,908,551, 10-13-59, Cl. 23-151.
- Hulen, Claude K. Line-up table. 2,877,556, 3-17-59, Cl. 33-80.
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- Hulet, Ervin K., to United States of America, Atomic Energy Commission. Method for the recovery and purification of berkelium. 2,909,405, 10-20-59, Cl. 23-14.5.
- Hulet, Ervin K., and S. G. Thompson, to United States of America, Atomic Energy Commission. Production of curium. 2,891,839, 6-23-59, Cl. 23-14.5.
- Hulet, Henry R., and K. G. Heller, to American Radiator & Standard Sanitary Corp. Combustion control system. 2,884,996, 5-5-59, Cl. 158-28.
- Huley, John W.: See—  
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- Hull, William W., and G. C. Johnson. Belt sanding machines. 2,891,359, 6-23-59, Cl. 51-143.
- Hull, Charles J., and F. H. Osborne, to The Rudolph Wurlitzer Co. Automatic phonograph. 2,891,797, 6-23-59, Cl. 274-10.
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- Hull, David C., and R. J. Schrader, to Eastman Kodak Co. Method for pelleting organic thermoplastic materials. 2,918,701, 12-29-59, Cl. 18-47.5.
- Hull, Dean R., and R. A. Whitlock, Jr., to Aquamatic Inc. Flow control apparatus for water treatment systems. 2,870,788, 1-27-59, Cl. 137-613.
- Hull, Denver H.: See—  
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- Hull, Francis R. Caster structure. 2,905,964, 9-29-59, Cl. 16-20.
- Hull, Harry H., to R. R. Donnelley & Sons Co. Inking system for rotary printing presses. 2,875,691, 3-3-59, Cl. 101-350.
- Hull, Hubert H. Woven wire laying, stretching and pickup device. 2,912,183, 11-10-59, Cl. 242-86.5.
- Hull, James B. Automatic lubricating device for automobiles. 2,908,848, 10-13-59, Cl. 317-141.
- Hull, John W.: See—  
Bremer, Allen R., and Hull. 2,913,269.
- Hull, Joseph F., to Litton Industries Of California. Broad-band output coupler. 2,886,742, 5-12-59, Cl. 315-39.
- Hull Mfg. Co., The: See—  
Hull, Walter E. 2,875,973.
- Hull, Maurice E., J. F. Lucasey, and D. Hoback, to Armour and Co. Drying of Swiss whey. 2,897,083, 7-28-59, Cl. 99-57.
- Hull, R. Dell. Spinning type fishing reel. 2,915,258, 12-1-59, Cl. 242-84.2.
- Hull, Richard L., to American Machine and Metals, Inc. Fan casing. 2,898,030, 8-4-59, Cl. 230-117.

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- Hull, Roger S.: See—  
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- Hull, Roger S., to The National Cash Register Co. Solenoid operating circuits. 2,878,431, 3-17-59, Cl. 317-155.5.
- Hull, Roy, to Imperial Chemical Industries Ltd. New indole derivatives. 2,872,372, 2-3-59, Cl. 167-58.
- Hull, Thomas N., Jr., to General Electric Co. Turbine bucket vibration dampener and sealing assembly. 2,912,223, 11-10-59, Cl. 253-77.
- Hull, Walter E., to The Hull Mfg. Co. Object supporting means. 2,875,973, 3-3-59, Cl. 245-206.
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- Hull, Winfield S. Characterized package. 2,884,177, 4-28-59, Cl. 229-8.
- Hullar, Herbert E., to The Murray Corp. of America. Laundry dryers. 2,867,430, 1-6-59, Cl. 263-33.
- Hullar, Herbert E., to The Murray Corp. of America. Driers. 2,875,998, 3-3-59, Cl. 263-33.
- Hullen, Gunter: See—  
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- Hulls, Leonard R., and R. L. Duke, to Canadian Westinghouse Co., Ltd. Analogue to digital converter apparatus. 2,909,717, 10-20-59, Cl. 318-28.
- Hulman, Julius: See—  
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- Hulot, Georges: See—  
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- Hulse, Donald S. Fracturing process with superimposed cyclic pressure. 2,915,122, 12-1-59, Cl. 166-42.
- Hulse, Robert E., to National Distillers and Chemical Corp. Method of producing multivalent metal. 2,916,374, 12-8-59, Cl. 75-84.5.
- Hulsebus, Richard P., to Outboard Marine Corp. Outboard motor tilt release. 2,911,938, 11-10-59, Cl. 115-17.
- Hulsey, Ronald E.: See—  
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- Schuh, Niles F., Reeder, Lowry, and Hulsey. 2,885,569.
- Hulsey, Ronald E., J. R. Reeder, and N. F. Schuh, to Westinghouse Electric Corp. Protective system for alternating current generators. 2,917,638, 12-15-59, Cl. 307-86.
- Hulslander, William L.: See—  
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- Hulswit, William H., Jr.: See—  
Elliott, Daniel R., Culp, and Hulswit. 2,901,242.
- Hulswit, William H., Jr., V. H. Berry, and K. A. Reid, to United States Rubber Co. Method of making pneumatic tires. 2,884,044, 4-28-59, Cl. 154-14.
- Hultberg, Rolf B., Jr., and T. E. D. Blide, to Aktiebolaget Elektrolux. Suction cleaner structure. 2,916,104, 12-8-59, Cl. 183-37.
- Hultstrom, Albert F. E., to Jonserseds Fabrikers Aktiebolag. Adjustable guide rings for milling machines. 2,913,026, 11-17-59, Cl. 144-253.
- Hultgren, Arnold P., to American Molded Products Co. Plastic encased coil. 2,882,504, 4-14-59, Cl. 336-96.
- Hultgren, Karl S. R.: See—  
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- Hultkrans, Paul B., M. E. Griem, and D. W. Davis, to Milprint, Inc. Apparatus for packaging commodities. 2,901,875, 9-1-59, Cl. 33-261.
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- Hulzschuh, Donald L., C. A. Kurka, E. N. Phillips, and R. A. Streeter, to Collins Radio Co. Waveguide switch and electrical control means thereof. 2,905,908, 9-22-59, Cl. 333-7.
- Humber, John N., and C. H. Nystrom, to American Bosch Arma Corp. Fuel injection apparatus. 2,895,465, 7-21-59, Cl. 123-140.
- Humbert, Kingsley E., Jr., to Wix Corp. Screw neck type filter. 2,873,029, 2-10-59, Cl. 210-440.
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- Humbert, Kingsley E., Jr., to Wix Corp. Filter unit. 2,897,966, 8-4-59, Cl. 210-168.
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- Humboldt Co., The: See—  
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- Hume, George G. Bird feeder. 2,888,905, 6-2-59, Cl. 119-55.
- Hume, Henry M. Television program control. 2,918,524, 12-22-59, Cl. 178-5.6.
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- Hume, Horace D. Trailer hitch resilient about horizontal transverse pivot. 2,872,214, 2-3-59, Cl. 280-459.
- Hume, Horace D. Floating cutter bar support mounting. 2,915,870, 12-8-59, Cl. 56-208.
- Hume, Horace D. Crop loader. 2,916,137, 12-8-59, Cl. 198-165.
- Hume, Horace D. Counterbalance means for crop loader drapers. 2,916,138, 12-8-59, Cl. 198-165.
- Hume, James P.: See—  
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- Hume, Peter D., to Westinghouse Electric Corp. Frequency multiplier. 2,907,944, 10-6-59, Cl. 321-69.
- Humel, Edward. Measuring and marking ruler. 2,882,601, 4-21-59, Cl. 33-26.
- Humes, David B., and R. F. Jr. Illuminable float with bite signal. 2,914,879, 12-1-59, Cl. 43-17.
- Humes, Gale, to M. Turchan, d. b. a. Turchan Follower Machine Co. Tracer controlled valve. 2,872,148, 2-3-59, Cl. 251-3.
- Humes, Harold L., Jr., and G. C. Randolph. Radiant energy responsive communications system. 2,909,765, 10-20-59, Cl. 340-221.
- Humes, Roy F., Jr.: See—  
Humes, David B., and R. F., Jr. 2,914,879.
- Humetz, David E.: See—  
Knight, Geoffrey, Jr., Humetz, and Johnson. 2,911,594.
- Humke, Maurice E. Drinking glass. 2,903,818, 9-15-59, Cl. 46-116.
- Hummel, Charles D., Sr.: See—  
Roberts, Ray J. D. 2,913,552.
- Hummel, Floyd A., to Glen-Gery Shale Brick Corp. Glazing composition for structural clay products and process for making same. 2,871,132, 1-27-59, Cl. 106-45.
- Hummel, Gerhard: See—  
Meyer, Konrad, Hummel, Ewert, and Hofmann. 2,905,841.
- Hummel, Richard: See—  
Ott, Josef, Hackel, Hummel, Wiedemann, and Sigel. 2,914,362.
- Hummel, Wiley M.: See—  
Gustafson, Ralph W., and Hummel. 2,878,344.
- Hummell, John D., to Battelle Memorial Institute. Dust separator. 2,876,862, 3-10-59, Cl. 183-105.
- Hummer, Ralph G., F. W. Young, and K. H. Schweitzer. Sign holder and baby seat for telescoping carts. 2,895,243, 7-21-59, Cl. 40-125.
- Hummert, Fred. Hearing aid ear-piece gasket. 2,908,343, 10-13-59, Cl. 181-23.
- Humphlett, Wilbert J., and C. V. Wilson, to Eastman Kodak Co. Method of solubilizing vitamins A, B<sub>2</sub>, D<sub>2</sub>, and E. 2,875,195, 2-24-59, Cl. 260-211.3.
- Humphlett, Wilbert J., and C. V. Wilson, to Eastman Kodak Co. Method of solubilizing steroids. 2,875,214, 2-24-59, Cl. 260-397.2.
- Humphner, Ferdinand W., to Minnesota Mining and Mfg. Co. Filament reinforced gummed tear-tape. 2,895,865, 7-21-59, Cl. 154-53.5.
- Humphreville, Byron T., to Niantic Co. Inc. Means for setting a cutting tool. 2,886,896, 5-19-59, Cl. 33-185.
- Humphrey, Andrew J., to The Reliance Electric & Engineering Co. Mercury vapor discharge device. 2,907,905, 10-6-59, Cl. 313-32.
- Humphrey, Frederick H. Automobile amusement device. 2,908,996, 10-20-59, Cl. 46-53.
- Humphrey, Irving H.: See—  
Humphrey, Stanley A., and I. H. 2,903,878.
- Humphrey, James W.: See—  
Hibner, De Los E. Jr., and Humphrey. 2,883,694.
- Humphrey, John H., and R. H. Dorf, said Dorf assor. to said Humphrey. Electronic musical instruments. 2,888,849, 6-2-59, Cl. 84-1.01.
- Humphrey, John R.: See—  
Breisch, John H., and Humphrey. 2,916,972.
- Humphrey, Norman J., to Bankit Container Co. Paper and coin container. 2,917,224, 12-15-59, Cl. 229-72.
- Humphrey, Ralph L. Awnings. 2,893,073, 7-7-59, Cl. 20-57.5.
- Humphrey, Robert C.: See—  
Webster, Antone J., and Humphrey. 2,891,607.
- Humphrey, Stanley A., and I. H. Wall construction. 2,903,878, 9-15-59, Cl. 72-16.
- Humphrey, Warren A., to The Hoover Co. Electric iron. 2,871,588, 2-3-59, Cl. 38-77.
- Humphrey, Warren A., to The Hoover Co. Electric fry pan. 2,872,561, 2-3-59, Cl. 219-44.
- Humphrey, William K.: See—  
Conn, John B., and Humphrey. 2,898,191.
- Humphrey, William T., to Bourbon Cooperage Co. Inc. Barrel stave forming machine. 2,893,446, 7-7-59, Cl. 143-48.
- Humphreys & Glasgow Ltd.: See—  
Williams, Norman H., and Hawkes. 2,869,991.
- Humphreys, John W., to Johnson Products, Inc. Self-aligning tappet. 2,882,878, 4-21-59, Cl. 123-90.
- Humphreys Medicine Co., Inc.: See—  
Dullaghan, Matthew E., and Hochstadt. 2,897,115.



- Humphreys, Robert E.: See—  
Mullen, Thomas W., and Humphreys. 2,904,290.
- Humphries, Douglas N. Sawhorse. 2,874,003, 2-17-59, Cl. 304-5.
- Humphries, Mary L.: See—  
Barns, Robert L., Doshier, Humphries, Jeanes, Lyon, Perry, Speer, and Earhart. 2,900,343.
- Hunau, Lillian, to Exquisite Form Brassiere Inc. Founda-  
garment. Re. 24,640, 4-28-59, Cl. 128-493.
- Hundahl, Robert E. Livestock gates and construction thereof.  
2,876,997, 3-10-59, Cl. 256-14.
- Hunger, Alfred: See—  
Wettstein, Albert, Hunger, Meystre, and Ehmman.  
2,900,398.
- Hungerford, Churchill, Jr.: See—  
Weston, Richard G., and Hungerford. 2,891,008.
- Hungerford, Gordon P., and J. C. Yarze, to American Ma-  
chine & Foundry Co. Glass fiber dispersions, sheets, plas-  
tic impregnated sheets and methods of forming. 2,906,660,  
9-29-59, 162-102.
- Hungerford, Philip C., Jr., and D. R. Tomko, to Curtiss-Wright  
Corp. Plural speed driving mechanisms. 2,885,898  
5-12-59, Cl. 74-217.
- Hungerford & Terry, Inc.: See—  
Weston, Richard G., and Hungerford. 2,891,008.
- Hunkins, Everett D. Concrete mixer. 2,895,722, 7-21-59,  
Cl. 259-164.
- Hunn, James V., to The Sherwin-Williams Co. Gelled plasti-  
sol carving medium. 2,872,349, 2-3-59, Cl. 117-94.
- Hunn, James V., and A. E. Ogren, to The Sherwin-Williams  
Co. Clamp for two-roll paint applicator. 2,871,500, 2-3-  
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- Hunsberger, Isaac M., to Antloch College of Yellow Springs.  
Composition for developing surface disturbances on a  
photographic film. 2,879,160, 3-24-59, Cl. 96-66.
- Hunsberger, Isaac M., to Antloch College of Yellow Springs.  
Antifogant for photographic developers and solubilizing  
agent for hydrazines. 2,892,715, 6-30-59, Cl. 96-66.
- Hunsicker, William R., to Selsmograph Service Corp. Radio  
location system. 2,872,676, 2-3-59, Cl. 343-105.
- Hunsucker, William A. Marine hoisting apparatus. 2,916,  
002, 12-8-59, Cl. 114-5.
- Hunt, A. H. (Capacitors) Ltd.: See—  
Bettridge, Frederick L. G. 2,891,362.
- Graham, Peter E., and Smith. 2,897,066.
- Robinson, Frederick C., and Grouse. 2,919,390.
- Hunt, Charles A.: See—  
Hanks, Charles W., Hunt, and Smith. 2,880,483.
- Hunt, Clayton E., Jr.: See—  
Thompson, Russell G., and Hunt. 2,899,498.
- Hunt, Clayton E., Jr., to Eastman Kodak Co. Apparatus for  
printing multiple line labels. 2,903,961, 9-15-59, Cl. 101-  
93.
- Hunt, Clayton E., Jr., to Eastman Kodak Co. Device for  
restricting characters to predetermined number in facsimile  
apparatus. 2,908,755, 10-13-59, Cl. 178-30.
- Hunt, Clayton E., Jr., to Eastman Kodak Co. Device for  
providing predetermined spacing in facsimile apparatus.  
2,908,756, 10-13-59, Cl. 178-30.
- Hunt, Clayton E., Jr., to Eastman Kodak Co. Conversion  
device for facsimile apparatus. 2,912,500, 11-10-59, Cl.  
178-30.
- Hunt, Donald W.: See—  
Hunt, Warren L. 2,876,011.
- Hunt Foods, Inc.: See—  
Froehlich, Charles W. 2,894,516.
- Hunt, Gerald R. Drill pipe wiper. 2,914,786, 12-1-59, Cl.  
15-210.
- Hunt, Harry C., to American Safety Table Co., Inc. Multiple  
drive transmission unit. 2,878,912, 3-24-59, Cl. 192-18.
- Hunt, Harry C., and S. R. Frankel, to American Safety Table  
Co., Inc. Apparatus for trimming, turning and pressing  
collars and the like. 2,909,307, 10-20-59, Cl. 223-2.
- Hunt, Harry G.: See—  
Bain, Joseph P., Booth, Hunt, and Klein. 2,871,268.
- Hunt, Howard C.: See—  
Hunt, Warren L. 2,876,011.
- Hunt, James J.: See—  
Adler, Franklin P., Hunt, and Miers. 2,911,925.
- Hunt, James R.: See—  
Berg, Clyde H., Hines, Hunt, Reeg, and Ballard.  
2,881,117.
- Hunt, John C., D. S. Maisel, and D. W. Wood, to Esso Re-  
search and Engineering Co. Preparation of drying oils by  
the polymerization of the products from the codehydro-  
genation of butane and ethyl benzene. 2,906,787, 9-29-59,  
Cl. 260-669.
- Hunt, John M.: See—  
Toth, William E., and Hunt. 2,889,988.
- Hunt, John M., to Link Aviation, Inc. Computer function  
generator. Re. 24,634, 4-21-59, Cl. 235-191.
- Hunt, John M., to Link Aviation, Inc. Function generator  
employing multiple potentiometers. 2,886,244, 5-12-59,  
Cl. 235-197.
- Hunt, John M. Resilient reloading clip for revolvers.  
2,896,353, 7-28-59, Cl. 42-89.
- Hunt, John M., to Link Aviation, Inc. Low distortion cathode  
follower. 2,912,524, 11-10-59, Cl. 179-171.
- Hunt, John S., A. G. Long, and B. Mooney, to Glaxo Labora-  
tories Ltd. Process for the preparation of steroid com-  
pounds. 2,880,218, 3-31-59, Cl. 260-397.45.
- Hunt, Lowell D. Fixture. 2,912,208, 11-10-59, Cl. 248-  
263.
- Hunt, Nathan C., to Hunt Valve Co. Fluid control valve.  
2,908,291, 10-13-59, Cl. 137-622.
- Hunt, Norman K. Electrically actuated weighing device.  
2,899,191, 8-11-59, Cl. 265-27.
- Hunt, Raymond S., Jr.: See—  
Saville, Eric J. 2,917,072.
- Hunt, Reed O., E. W. Erickson, W. J. Lowndes, J. D. Wethern,  
and J. G. Coma, to Crown Zellerbach Corp. Method of  
shipping cellulose pulp in bulk. 2,884,147, 4-28-59, Cl.  
214-152.
- Hunt, Reginald R. Permit system for parking automobiles.  
2,870,735, 1-27-59, Cl. 116-133.
- Hunt, Robert A.: See—  
Fribance, Austin E., and Hunt. 2,867,768.
- Hunt, Robert A., and A. E. Fribance, to Rochester Mfg.  
Co. Remote indicating apparatus. 2,867,769, 1-6-59, Cl.  
324-146.
- Hunt, Robert E.: See—  
Pasty, Leon A., Hunt, and Blurton. 2,917,215.
- Hunt, Robert E., to Sylvania Electric Products Inc. Static  
escapement device. 2,891,668, 6-23-59, Cl. 209-107.
- Hunt, Robert L. Mail box. 2,889,981, 6-9-59, Cl. 232-35.
- Hunt, Rodney, Machine Co.: See—  
Bechtler, Hans C. 2,868,279.
- Hunt Valve Co.: See—  
Chessman, Samuel C., and Meyer. 2,901,677.
- Hunt, Nathan C. 2,908,291.
- Hunt, Warren L., deceased, D. W. and H. C. Hunt, adminis-  
trators, to Ranger Bowling & Chemical Co. Method of  
reinforcing and finishing a bowling pin. 2,876,011, 3-3-  
59, Cl. 273-82.
- Hunt, William J., 14 to R. G. Garland. Color divided hypo-  
dermic syringe. 2,888,015, 5-26-59, Cl. 128-218.
- Hunt, Wilson W., and J. L. Amos, to The Dow Chemical Co.  
Devolatilizer. 2,914,120, 11-24-59, Cl. 159-27.
- Hunter, Arthur T., to Combustion Engineering, Inc. Air  
heater. 2,919,118, 12-29-59, Cl. 257-224.
- Hunter, Clarence S., to Eastman Kodak Co. Chemical ink.  
2,879,168, 3-24-59, Cl. 106-22.
- Hunter, David U., to Fairchild Engine and Airplane Corp.  
Apparatus for separating moisture and condensable vapors  
from a gas. 2,897,917, 8-4-59, Cl. 183-77.
- Hunter, Don L., and E. W. Fajans, to United States Borax &  
Chemical Corp. Tri-cyclohexyl borates. 2,878,256,  
3-17-59, Cl. 260-462.
- Hunter, Donald G. N.: See—  
Wright, Esmond P. G., Rice, and Hunter. 2,871,464.
- Hunter, Edward A.: See—  
Aldridge, Clyde L., and Hunter. 2,912,401.
- Hunter, Edward A., and E. M. Gladrow, to Esso Research and  
Engineering Co. Method of catalyst preparation. 2,873,257,  
2-10-59, Cl. 252-465.
- Hunter, Edward A., and M. A. Segura, to Esso Research and  
Engineering Co. Hydroforming catalyst containing zinc  
oxide. 2,906,713, 9-29-59, Cl. 232-433.
- Hunter, Edwin J. Automatic control for irrigation systems.  
2,893,641, 7-7-59, Cl. 239-64.
- Hunter, Edwin J. Sprinkler head. 2,909,325, 10-20-59, Cl.  
239-67.
- Hunter, Frederick M. Machine flywheels. 2,879,674, 3-31-59,  
Cl. 74-572.
- Hunter, George D., to Deere & Co. Earth working tool mount-  
ing means. 2,904,119, 9-15-59, Cl. 172-762.
- Hunter, Henry L. 3rd: See—  
Gray, John W., and Hunter. 2,889,470.
- Hunter, Herbert T., to DCA Food Industries, Inc. Method  
and apparatus for the production of comestibles. 2,897,772,  
8-4-59, Cl. 107-54.
- Hunter, Herbert T., and B. W. Wilson, to DCA Food  
Industries Inc. Apparatus for production of cooked  
products. 2,867,162, 1-6-59, Cl. 99-354.
- Hunter, James A.: See—  
Taylor, Ronald W., and Hunter. 2,888,259.
- Hunter, James F., to R. M. Hunter. Shade operating mech-  
anism. 2,875,981, 3-3-59, Cl. 254-190.
- Hunter, James, Inc.: See—  
Leineweber, William F., Jr. 2,885,741.
- Moore, Lindsay B. 2,904,079.
- Hunter, James, Machine Co.: See—  
Morrill, Frank B. 2,896,303.
- Hunter, James P.: See—  
Brennan, Daniel H., and Hunter. 2,892,203.
- Hunter, Jonathan, to Marchant Research, Inc. Magnetic tape  
transport mechanism. 2,869,799, 1-20-59, Cl. 242-55.12.
- Hunter, Jonathan, to Marchant Research, Inc. Mechanical  
shift register. 2,896,843, 7-28-59, Cl. 235-61.
- Hunter, Joseph, M. J. Kelley, and W. Nothum, to Nopco  
Chemical Co. Filling and scouring compositions.  
2,913,428, 12-22-59, Cl. 252-875.
- Hunter, Lloyd P., to International Business Machines Corp.  
Current multiplication transistors and method of producing  
same. 2,867,733, 1-6-59, Cl. 307-88.5.
- Hunter, Lloyd P., to International Business Machines Corp.  
Coincidence flux memory system. 2,869,112, 1-13-59, Cl.  
340-174.
- Hunter, Lloyd P., to International Business Machines Corp.  
Formation of P-N junctions. 2,897,105, 7-28-59, Cl.  
148-1.5.

- Hunter, Lloyd P., to International Business Machines Corp.  
Fabrication of diffused junction semi-conductor devices.  
2,898,247, 8-4-59, Cl. 148-1.5.
- Hunter, Richard C., to Bailey Meter Co. Fluid pressure  
transmitter with square root converter. 2,917,064,  
12-15-59, Cl. 137-85.
- Hunter, Robert H.: See—  
Brandner, John D., and Hunter. 2,889,297.
- Hunter, Robert H., and R. S. Damon; said Damon assor, to  
said Hunter. Multiple fuel burner and space heater.  
2,876,763, 3-10-59, Cl. 126-110.
- Hunter, Robert H., and H. W. Smith; said Smith assor.  
to said Hunter. Louvered stack for hot air heater. 2,883-  
979, 4-28-59, Cl. 126-90.
- Hunter, Roger W., to International Telephone and Telegraph  
Corp. Electron discharge devices. 2,917,658, 12-15-59,  
Cl. 315-13.
- Hunter, Rosemary M.: See—  
Hunter, James F. 2,875,981.
- Hunter, Thomas, Ltd.: See—  
Clift, Paul E. 2,869,303.
- Hunter, William A., to T. M. M. (Research) Ltd. Drafting  
apparatus of textile spinning machines. 2,879,551,  
3-31-59, Cl. 19-157.
- Hunter, William A., to T. M. M. (Research) Ltd. Machinery  
for opening, cleaning and subsequent treatment of textile  
fibrous material. 2,911,684, 11-10-59, Cl. 19-72.
- Hunter, William H.: See—  
Coates, Harold, and Hunter. 2,880,223.
- Coates, Harold, and Hunter. 2,897,224.
- Hunter, William L., and R. L. Ropa, to Hoffman Electronics  
Corp. Amplitude modulated blocking oscillators or the like.  
2,919,415, 12-29-59, Cl. 332-14.
- Hunter, Windsor H., to Raytheon Mfg. Co. Thermionic  
tubes. 2,872,610, 2-3-59, Cl. 313-260.
- Hunting, Bernardus J., A. Rinzeema, and H. Overeem, de-  
ceased, by J. D. Heijlgers, executor, to North American  
Phillips Co., Inc. Fixture suspending phonograph record  
blank. 2,890,160, 6-9-59, Cl. 204-281.
- Huntington, Lillian J. Toilet. 2,866,980, 1-6-59, Cl. 4-142.
- Huntington, Wilbur J.: See—  
Newsom, Earl G., and Huntington. 2,896,074.
- Huntley, Alton K., and R. Carmichael, Union Carbide Corp.  
Battery connector. 2,901,526, 8-25-59, Cl. 136-135.
- Huntley, James R., and W. F. Southard, to Tool Service  
Engineering Co. Measuring gauge structure. 2,892,256,  
6-30-59, Cl. 33-125.
- Huntley Keith G., to Electric & Musical Industries Ltd. Gen-  
eration of colour television signals. 2,900,441, 8-18-59,  
Cl. 178-54.
- Huntley, Keith G., and E. L. C. White, to Electric & Musical  
Industries Ltd. Valve chain circuits. 2,906,870, 9-29-59,  
Cl. 250-27.
- Huntley, Mrs. Ione: See—  
Shelamer, Charles L. Sr. 2,883,712.
- Huntley & Palmers Ltd.: See—  
Packman, Percival J., and Morton. 2,881,900.
- Huntley, Walter H. Key holding device. 2,869,354, 1-20-59,  
Cl. 70-456.
- Huntton, Robert D., to United States of America, Navy.  
Ordnance construction. 2,872,867, 2-10-59, Cl. 102-70.2.
- Huntton, Robert D., to United States of America, Commerce.  
Dosimeter. 2,903,593, 9-8-59, Cl. 250-83.3.
- Huntsinger Associates: See—  
Hanes, James W. E. 2,900,028.
- Huntsinger, Charles E.: See—  
Boyd, Robert L., Jr., and Huntsinger. 2,882,383.
- Hunz, Alphonse W. Low table unit. 2,869,948, 1-20-59, Cl.  
311-17.
- Hunziker, Charles E. Spraying means. 2,868,379, 1-13-59,  
Cl. 210-91.
- Hupert, Julius J.: See—  
Maciszewski, Arthur H., Hupert, Goldstein, and Szubski.  
2,881,315.
- Hupert, Julius J., A. H. Maciszewski, and A. M. Reslock, to  
A.R.F. Products, Inc. Instrument for alignment of fre-  
quency-selective amplifiers. 2,905,886, 9-22-59, Cl. 324-  
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- Hupp, Arleigh G. Power boat adapted to be planed on water.  
2,875,720, 3-3-59, Cl. 114-66.5.
- Hupp Corp.: See—  
Bartels, Bernhard E. 2,892,250.
- Brehm, Howard E., Jr., and Mitchell. 2,871,778.
- Broser, Immanuel J., and Broser-Warminsky. 2,918,437.
- Perry, Robert P. 2,867,092.
- Ravich, Leonard E. 2,890,939.
- Rocard, Yves A., and Bartels. 2,884,345.
- Rosebrook, Homer E., Harley, and Swartzloff. 2,867,096.
- Sininger, Dwight V. 2,901,530.
- Sweedyk, James M., and Gleason. 2,907,262.
- Hupp, Edward E.: See—  
Price, Earl R., and Hupp. 2,902,008.
- Hupp, Edward E., to Bendix Aviation Corp. Snap acting dual  
valve mechanism. 2,867,235, 1-6-59, Cl. 137-622.
- Hupp, Edward E., to Bendix Aviation Corp. Power assisted  
actuator. 2,893,207, 7-7-59, Cl. 60-54.6.
- Hupp, Edward E., to Bendix Aviation Corp. Dashpot mech-  
anism. 2,893,721, 7-7-59, Cl. 267-1.
- Hupp, Edward E., to Bendix Aviation Corp. Pneumatic brake  
valve to provide feel. 2,910,051, 10-27-59, Cl. 121-46.5.
- Huppert, C., & Co., Ltd.: See—  
Huppert, Charles. 2,881,739.
- Huppert, Charles, to C. Huppert & Co., Ltd. Hydraulic per-  
cussion tool. 2,881,739, 4-14-59, Cl. 121-20.
- Huppert, Karl H., and E. K. Weise, to Semicon Inc. Resist-  
ance thermometer circuits. 2,874,260, 2-17-59, Cl.  
215-20.
- Hurat, Leonard T., and E. P. Presby, to United States Steel  
Corp. Method of making colored wire. 2,900,710, 8-25-59,  
Cl. 29-407.
- Hure, Cass F.: See—  
Price, Ralph E., and Hure. 2,882,650.
- Hurcomb, Forbes A.: See—  
Riley, Joseph J., and Hurcomb. 2,892,926.
- Hurd, Claud C., to The Hoover Co. Combination suction  
cleaners. 2,898,622, 8-11-59, Cl. 15-333.
- Hurd, Dallas T.: See—  
Nerad, Anthony J., and Hurd. 2,894,830.
- Hurd, Dallas T., to General Electric Co. Process of prepar-  
ing an organo-polysiloxane, the product thereof, mixtures  
of the product with rubbery polymers, and method of cur-  
ing the mixtures. 2,878,195, 3-17-59, Cl. 260-4.
- Hurd, Dallas T., and R. C. Osthoff, to General Electric Co.  
Vulcanizable vinyl-containing organopolysiloxanes and  
process of preparing elastomers therefrom. 2,867,599,  
1-6-59, Cl. 260-37.
- Hurd, Dallas T., and R. W. Flinholt, to General Electric Co.  
Composite articles of metal and elastomer and method of  
fabrication. 2,884,161, 4-28-59, Cl. 220-63.
- Hurd, Edwin P., to Hurd Rock & Mfg. Co. Wheel cover.  
2,869,929, 1-20-59, Cl. 301-37.
- Hurd, Edwin P., to Hurd Lock & Mfg. Co. Wheel cover.  
2,903,300, 9-8-59, Cl. 301-37.
- Hurd, Eric W., to F. Taylor & Sons (Manchester) Ltd.  
Drilling machine for rock faces and the like. 2,867,412,  
1-6-59, Cl. 255-51.
- Hurd, Eric W., to F. Taylor & Sons (Manchester) Ltd. Guide  
housing for rotary drill drive. 2,887,299, 5-19-59, Cl.  
255-47.
- Hurd Lock and Mfg. Co.: See—  
Francis, Gerald A. 2,909,950.
- Hurd, Edwin P. 2,903,300.
- Hurd, Richard C., to United Aircraft Corp. Flameholder.  
2,918,794, 12-29-59, Cl. 60-39.72.
- Hurd Rock & Mfg. Co.: See—  
Hurd, Edwin P. 2,869,929.
- Hurdle, Everett C., and J. F. Petras, to United States Rubber  
Co. Neutral diesters of 2,2'-[isopropylidene-bis(2,6-di-  
chloro-p-phenyleneoxy)]-diethanol. 2,891,092, 6-16-59, Cl.  
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Co. Neutral diesters of 2,2'-[isopropylidene bis (p-phenyl-  
enoxy)]-diethanol. 2,891,093, 6-16-59, Cl. 260-455.
- Hurdle, Everett C., J. F. Petras, and H. Romeyn, Jr., to  
United States Rubber Co. Monomers for flame resistant  
resinous copolymers. 2,891,965, 6-23-59, Cl. 260-461.
- Hurdle, Everett C., and J. F. Petras, to United States Rubber  
Co. Hydroxyalkyl diethers of 2,2'-isopropylidene-bis(2,6-  
dichlorophenol). 2,902,518, 9-1-59, Cl. 260-613.
- Hurlford, Winslow L., to Radio Corp. of America. Plural  
channel circuit maintenance. 2,892,026, 6-23-59, Cl. 178-  
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- Hurford, Winslow L., to Radio Corp. of America. Pulse am-  
plifying and limiting circuit arrangements. 2,912,580,  
11-10-59, Cl. 250-27.
- Hurlburt, Charles E., to Bendix Aviation Corp. Gyro caging  
mechanism. 2,867,122, 1-6-59, Cl. 74-5.1.
- Hurlburt, Charles E., to Bendix Aviation Corp. Gyroscope.  
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- Hurlburt, Charles E., J. R. Conway, and M. J. Lanni, to Ben-  
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torquing device for compensating for error due to the  
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- Hurlbut, Douglas H. Method and apparatus for aligning and  
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- Hurlbut, Gordon K., to General Aniline & Film Corp. De-  
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- Hurley, Daniel T., to General Electric Co. Electrical signal  
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- Hurley, Eldora A.: See—  
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- Hurley, Forrest R.: See—  
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- Hurley, Forrest R., to W. R. Grace & Co. Substituted hy-  
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- Hurley, James R., to Phillips Petroleum Co. Cement com-  
positions and process of cementing wells. 2,880,096,  
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- Hurley, James R., to Phillips Petroleum Co. Magnetic flow-  
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- Hurley, Roy T., to Curtiss-Wright Corp. Furniture and seat construction. 2,892,489, 6-30-59, Cl. 155-178.
- Hürllmann, Hans: See—  
Schmid, Hans, and Hürllmann. 2,901,643.
- Hürllmann, Hans. Stand for a fishing rod. 2,869,814, 1-20-59, Cl. 248-48.
- Hurwitz, Abraham, and W. S. R. O'Neill, to Morrell Aluminum Products, Inc. Combination storm window, screen and awning. 2,877,840, 3-17-59, Cl. 160-91.
- Hurwitz, Mark: See—  
Godwin, Charles J., Hurwitz, Kaplan, Siegel, and Zebley. 2,896,314.
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- Hursen, Thomas F., to Westinghouse Air Brake Co. Graduated release type brake controlling valve with improved control reservoir charging control. 2,880,039, 3-31-59, Cl. 303-60.
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- Hurst, George S.: See—  
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- Hurst, Millard R.: See—  
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- Hurst, Mowatt M. Automobile drying installation. 2,904,894, 9-22-59, Cl. 34-43.
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- Hurst, William M., to United States of America, Navy. Electro-mechanical chronograph. 2,872,274, 2-3-59, Cl. 346-38.
- Hurt, Clarence L.: See—  
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- Hurt, David M., and A. H. Pieper, to E. I. du Pont de Nemours and Co. Production of bis (2-hydroxyethyl) terephthalate through ester interchange. 2,905,707, 9-22-59, Cl. 260-475.
- Hurt, Norman A.: See—  
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- Hurtig, Carl R., to United States of America, Army. Constant impedance transistor input circuit. 2,871,305, 1-27-59, Cl. 179-171.
- Hurum, Fredrik J. O. Methods for the treatment of a melt with briquetted substances. 2,879,156, 3-24-59, Cl. 75-53.
- Hurvitz, Hyman. Amplitude displays. 2,886,777, 5-12-59, Cl. 324-78.
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- Hurwitz, Marvin J., and P. L. de Benneville, to Rohm & Haas Co. Organic silicon compounds and methods for making them. 2,876,234, 3-3-59, Cl. 260-326.5.
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- Hurwitz, Miriam. Corset construction. 2,905,180, 9-22-59, Cl. 128-540.
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- Huse, Arthur E., to American Bosch Arma Corp. Fuel injection apparatus. 2,893,712, 7-7-59, Cl. 261-37.
- Huseby, Elvin. Electric fence insulator. 2,896,011, 7-21-59, Cl. 174-163.
- Huseby, Harold W. Corner radiant heat assembly. 2,879,369, 3-24-59, Cl. 219-34.
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- Huser, William H., to Western Electric Co., Inc. Machine for trimming cup shaped articles and the die drive means therefor. 2,898,996, 8-11-59, Cl. 164-47.
- Husky Oil Co.: See—  
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- Hoffström, Nils A., and Eurenius. 2,890,754.
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- Husman, Paul A., to Laboratory For Electronics, Inc. Data processing apparatus. 2,896,192, 7-21-59, Cl. 340-174.
- Huso, Kenneth. Means for locking a transmission selector lever in drive shaft locking or parking position. 2,875,640, 3-3-59, Cl. 74-529.
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- Hussa, Leopold R. Apparatus for power take off. 2,903,911, 9-15-59, Cl. 74-665.
- Hussar, Joseph P., to L. N. Baker. Electrically-operated toothbrush. 2,915,912, 12-8-59, Cl. 74-423.
- Hussey, Charles M.: See—  
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- Hussey, Charles M., and Hussey. 2,886,208.
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- Hussey, Luther W., to Bell Telephone Laboratories, Inc. Transistor test set. 2,899,642, 8-11-59, Cl. 324-158.
- Hussey, Luther W., and W. Pell, to Bell Telephone Laboratories, Inc. Current limiting gating circuit. 2,887,619, 5-19-59, Cl. 315-168.
- Hussey, Norman R., to General Electric Co. Piston actuator. 2,896,413, 7-28-59, Cl. 60-97.
- Hussmann, Albrecht W.: See—  
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- Hussnigg, August C. Device for manufacturing continuous, spirally grooved tubing wound of band material. 2,893,462, 7-7-59, Cl. 153-72.
- Husson, Charles, to Westinghouse Electric Corp. Control circuit. 2,909,705, 10-20-59, Cl. 315-168.
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- Husted, Harry H. Measuring device for determining intra-ocular pressure. 2,882,891, 4-21-59, Cl. 128-2.
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- Huston, John T. Power vaginal irrigator. 2,908,273, 10-13-59, Cl. 128-251.
- Huston, Norman E.: See—  
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- Huston, Ralph C., to The Babcock & Wilcox Co. Vapor generators. 2,918,044, 12-22-59, Cl. 122-351.
- Huston, William D.: See—  
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- Huston, William D., to American Machine & Metals, Inc. Pneumatic hammer-nozzle controller. 2,917,063, 12-15-59, Cl. 137-82.
- Huston, William D., and E. D. Haigler, to American Machine and Metals, Inc. Fluid pressure operated element positioning device. 2,911,954, 11-10-59, Cl. 121-41.
- Huston, William P., Jr., to Mui-T-Typer Corp. Portable duplicating attachment. 2,907,439, 10-6-59, Cl. 197-153.
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- Huszar, Kalman Z. Mechanism for forming various articles from moldable materials. 2,867,000, 1-6-59, Cl. 18-5.
- Huszar, Kalman Z. Machine and process for the production of convolutions in wire. 2,898,949, 8-11-59, Cl. 140-71.
- Huszar, Laszlo, to "Licencia" Talalmanyokati Ertekelito Vallalat. Tube support in motionless X-ray irradiation apparatuses. 2,890,349, 6-9-59, Cl. 250-91.
- Hutch, John D., to Hutch Mfg. Co. Packaged prehung storm door. 2,911,095, 11-3-59, Cl. 206-60.
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- Hutchens, Charles T. Tandem spring suspension system. 2,900,197, 8-18-59, Cl. 280-104.5.
- Hutchens, Charles T. Hydro-pneumatic equalizing suspension for vehicles. 2,907,576, 10-6-59, Cl. 280-104.
- Hutchens, Francis G. Fluid pressure regulator. 2,869,575, 1-20-59, Cl. 137-251.
- Hutchens, Morris L., J. J. Lenert, and F. J. Schalk, to Kearney & Trecker Corp. Retracting mechanism. 2,867,154, 1-6-59, Cl. 90-16.
- Hutchens, Morris L., J. J. Lenert, and H. F. Henderson, to Kearney & Trecker Corp. Indexing mechanism for a machine tool. 2,900,849, 8-25-59, Cl. 74-826.
- Hutcheson, Robert H.: See—  
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- Wright, John G., Wynn, and Hutcheson. 2,890,453.
- Hutchings, Edward G., to The Babcock & Wilcox Co. Steam generator. 2,879,752, 3-31-59, Cl. 122-480.
- Hutchings, Le Roi E., to The Pure Oil Co. Purification process. 2,878,163, 3-17-59, Cl. 202-31.
- Hutchings, Le Roi E., to The Pure Oil Co. Hydrocarbon pyrolysis process. 2,878,262, 3-17-59, Cl. 260-679.
- Hutchings, Le Roi E., to The Pure Oil Co. Hydrohalogenation of mono halogenated alkanes. 2,883,436, 4-21-59, Cl. 260-658.
- Hutchings, Le Roi E., to The Pure Oil Co. Reaction products of hydrogen cyanide and sulfur trioxide and method of preparing same. 2,908,550, 10-13-59, Cl. 23-139.
- Hutchings, Le Roi E., to The Pure Oil Co. Fractionation process using zeolitic molecular sieves. 2,912,473, 11-10-59, Cl. 260-676.
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- Hutchins, Alma A., to G. J. Blacher. Tools for releasing speed nuts. 2,867,142, 1-6-59, Cl. 81-3.
- Hutchins, Dwight C., to General Electric Co. Food and beverage mixer. 2,913,230, 11-17-59, Cl. 259-108.
- Hutchins, Erwin F., to Sylvania Electric Products, Inc. Electric discharge lamp starting device. 2,911,569, 11-3-59, Cl. 315-100.
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- Hutchins, Hugh A., and B. C. Jones. Method for making jet tubes. 2,892,253, 6-30-59, Cl. 29-421.
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- Hutchinson, Archibald D. L. Semi trailer dump truck. 2,890,909, 6-16-59, Cl. 298-20.
- Hutchinson, David O. Simulated trunk planters. 2,900,759, 8-25-59, Cl. 47-34.
- Hutchinson, Franklin B., to The Perkin-Elmer Corp. Radiation source and means for starting. 2,876,361, 3-3-59, Cl. 250-85.
- Hutchinson, Hamilton M. Process for the treatment of lumber. 2,892,261, 6-30-59, Cl. 34-9.5.
- Hutchinson, Harold D. Wax applicator. 2,887,711, 5-26-59, Cl. 15-230.
- Hutchinson, James O., and R. W. Briggs, II, to Westinghouse Electric Corp. Discriminator circuit. 2,871,345, 1-27-59, Cl. 250-27.
- Hutchinson, John E.: See—  
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- Hutchinson, Leonard H. Control of tropical cyclone formation. 2,903,188, 9-8-59, Cl. 239-2.
- Hutchinson, Oliver C. K.: See—  
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- Hutchinson, Philip. Propulsion of vehicles. 2,869,479, 12-1-59, Cl. 104-155.
- Hutchinson, Thomas K., and O. C. K. Shell molding machine. 2,899,723, 8-18-59, Cl. 22-9.
- Hutchinson, William A. Caster. 2,891,273, 6-23-59, Cl. 16-20.
- Hutchinson, William M., to Phillips Petroleum Co. Production of diols by hydrogenation of polymeric peroxides of diolefins. 2,879,306, 3-24-59, Cl. 260-635.
- Hutchinson, William M., and H. W. Bost, to Phillips Petroleum Co. Composition comprising esters of hydroxylated polybutadiene and process of preparing same. 2,893,855, 7-7-59, Cl. 106-218.
- Hutchinson, Alexander H., to American Cyanamid Co. Plastic inserts for hypodermic syringe packages. 2,887,215, 5-19-59, Cl. 206-17.5.
- Hutchinson, Frank E. Pillow block for vibratory shafts. 2,869,937, 1-20-59, Cl. 308-26.
- Hutchinson, Frank E. Derrick girth light. 2,895,039, 7-14-59, Cl. 240-90.
- Hutchinson, Frank E. Submarine structure. 2,901,890, 9-1-59, Cl. 61-46.
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- Hutchinson, Joseph D., to Ford Motor Co. Vehicle accelerator linkage. 2,869,393, 1-20-59, Cl. 74-516.
- Hutchinson, William M., and K. W. Hopkins, to Brown Lenox and Co. Ltd. Mooring devices for ships. 2,894,475, 7-14-59, Cl. 114-230.
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- Huth, Carl M., to Belden Mfg. Co. Strain relief. 2,902,536, 9-1-59, Cl. 174-70.
- Huth, Richard: See—  
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- Huth, Walter H., and J. R. Bailey: said Bailey assor. to said Huth. Wire recorder cartridge pack. 2,873,925, 2-17-59, Cl. 242-54.1.
- Huth, William J., to Sun Oil Co. Compression refrigeration working fluid. 2,912,383, 11-10-59, Cl. 252-68.
- Huthsing, Charles K., Sr. Valve structure. 2,893,687, 7-7-59, Cl. 251-357.
- Huthsing, Charles K., Sr., and I. J. Billings, to General Pacific Corp. Fire extinguisher head assembly. 2,878,683, 3-24-59, Cl. 74-101.
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- Huthsing, Charles K., Sr., and I. J. Billings, to General Fire Extinguisher Corp. Valve actuating means. 2,909,936, 10-27-59, Cl. 74-102.
- Hutson, Thomas, Jr., to Phillips Petroleum Co. Solvent extraction with neopentyl glycol. 2,908,726, 10-13-59, Cl. 260-666.
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- Graef, Rudolf F., and von Bogdandy. 2,883,279.
- Hutter, Ernest: See—  
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- Hutter, Ernest, to United States of America, Atomic Energy Commission. Nuclear reactor fuel rod assembly. 2,902,422, 9-1-59, Cl. 204-193.2.
- Hutter, George L.: See—  
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- Hutter, Jean-Claude, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques. Process for preparing dense filterable beryllium hydroxide. 2,899,276, 8-11-59, Cl. 23-183.
- Hutter, Luis, to General Refractories Co. Basic roof for reverberatory furnaces. 2,901,990, 9-1-59, Cl. 110-99.
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Hutton, Leland H. 2,871,834.
- Hutton, Frank E., to The Babcock & Wilcox Co. Process and apparatus for the recovery of heat and chemicals from pulp liquor. 2,893,829, 7-7-59, Cl. 23-48.
- Hutton, Leach L. Walking trainer and coordinator. 2,892,455, 6-30-59, Cl. 128-25.
- Hutton, Leland H., to Hutton Fabricating and Mfg. Corp. Furnace door frame. 2,871,834, 2-3-59, Cl. 122-499.
- Hutton, Roger S.: See—  
Halberg, Robert W., and Hutton. 2,902,130.
- Hutton, Robert W., to International Telephone and Telegraph Corp. Toll ringing arrangements in telephone systems. 2,871,298, 1-27-59, Cl. 179-18.
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- Hutzelman, Howard E., to Correy-Jamestown Mfg. Corp. Roller suspension for a cabinet drawer. 2,873,150, 2-10-59, Cl. 308-3.8.
- Hutzel, John R.: See—  
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- Huxley, Thomas C., III, to Conitech, Ltd. Artificial respiration apparatus. 2,876,785, 3-10-59, Cl. 137-63.
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- Huxtable, Leonard G.: See—  
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- Huyck, F. C., & Sons: See—  
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- Huyser, Earl S., and W. F. Tousignant, to The Dow Chemical Co. Preparation of symmetrical disubstituted ureas. 2,876,260, 3-3-59, Cl. 260-553.
- Huyser, Francis C., to American Machine and Metals, Inc. Gripping mechanism for testing machine. 2,875,610, 3-3-59, Cl. 73-103.
- Huyser, Francis C., to American Machine and Metals, Inc. Stress-strain measuring apparatus. 2,889,706, 6-9-59, Cl. 73-89.
- Huzel, Dieter K., and R. M. Shuman, to North American Aviation, Inc. Process of liquefied gas pumping. 2,871,670, 2-3-59, Cl. 62-55.
- Hwa, Chih M.: See—  
Denman, Wayne L., and Hwa. 2,889,193.
- Hwa, Chih M., to Dearborn Chemical Co. Anti-foam agent and process of inhibiting foam. 2,903,432, 9-8-59, Cl. 232-321.
- Hwa, Jesse C. H., to Rohm & Haas Co. Preparation of cation-exchange resins by oxidation of vinylalkoxy sulfide polymers. 2,868,738, 1-13-59, Cl. 260-2.2.
- Hwa, Jesse C. H., to Rohm & Haas Co. Removal of cations by ion-exchange resins containing sulfonic acid groups. 2,874,117, 2-17-59, Cl. 210-32.

- Hutchings, Le Roi E., to The Pure Oil Co. Reaction products of hydrogen cyanide and sulfur trioxide and method of preparing same. 2,908,550, 10-13-59, Cl. 23-139.
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- Hutchinson, Harold D. Wax applicator. 2,887,711, 5-26-59, Cl. 15-230.
- Hutchinson, James O., and R. W. Briggs, II, to Westinghouse Electric Corp. Discriminator circuit. 2,871,345, 1-27-59, Cl. 250-27.
- Hutchinson, John E.: See—  
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- Hutchinson, Leonard H. Control of tropical cyclone formation. 2,903,188, 9-8-59, Cl. 239-2.
- Hutchinson, Oliver C. K.: See—  
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- Hutchinson, Philip. Propulsion of vehicles. 2,869,479, 12-1-59, Cl. 104-155.
- Hutchinson, Thomas K., and O. C. K. Shell molding machine. 2,899,723, 8-18-59, Cl. 22-9.
- Hutchinson, William A. Caster. 2,891,273, 6-23-59, Cl. 16-20.
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- Hutchinson, Alexander H., to American Cyanamid Co. Plastic inserts for hypodermic syringe packages. 2,887,215, 5-19-59, Cl. 206-17.5.
- Hutchinson, Frank E. Pillow block for vibratory shafts. 2,869,937, 1-20-59, Cl. 308-26.
- Hutchinson, Frank E. Derrick girth light. 2,895,039, 7-14-59, Cl. 240-90.
- Hutchinson, Frank E. Submarine structure. 2,901,890, 9-1-59, Cl. 61-46.
- Hutchinson, James R., to Rohr Aircraft Corp. Fastener sealing device. 2,884,098, 4-28-59, Cl. 189-36.
- Hutchinson, Joseph D., to Ford Motor Co. Vehicle accelerator linkage. 2,869,393, 1-20-59, Cl. 74-516.
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- Huth, William J., to Sun Oil Co. Compression refrigeration working fluid. 2,912,383, 11-10-59, Cl. 252-68.
- Huthsing, Charles K., Sr. Valve structure. 2,893,687, 7-7-59, Cl. 251-357.
- Huthsing, Charles K., Sr., and I. J. Billings, to General Pacific Corp. Fire extinguisher head assembly. 2,878,683, 3-24-59, Cl. 74-101.
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- Hutson, Thomas, Jr., to Phillips Petroleum Co. Solvent extraction with neopentyl glycol. 2,908,726, 10-13-59, Cl. 260-666.
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- Hutton, Frank E., to The Babcock & Wilcox Co. Process and apparatus for the recovery of heat and chemicals from pulp liquor. 2,893,829, 7-7-59, Cl. 23-48.
- Hutton, Leach L. Walking trainer and coordinator. 2,892,455, 6-30-59, Cl. 128-25.
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- Wylie, Jean, Osborne, and Amsler. 2,899,882.
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- Mitton, Robert E. 2,909,035.
- Hydrahone Equipment Co.: See—
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 Malmros, Gustav V. A., and Harrington. 2,897,752.  
 Marcus, Mitchell P., and Underwood. 2,889,987.  
 Markow, George R. 2,875,432.  
 May, Gordon H. 2,884,794.  
 McNutt, Robert D. 2,910,544.  
 Meestre, Auguste F. 2,919,434.  
 Miles, George T. 2,875,883.  
 Mitchell, George E. 2,867,167.  
 Morgan, Mark. 2,901,927.  
 Mork, Ralph G. 2,902,684.  
 Mork, Ralph G. 2,915,643.  
 Murphy, Robert W. 2,875,537.  
 Newcomb, Delmar C. 2,906,400.  
 Northrup, Willard F. 2,919,044.  
 O'Donnell, John F., and Segall. 2,898,514.  
 Oldenboom, Derk J. 2,880,909.  
 Oldenboom, Derk J. 2,918,853.  
 Palmer, Leon E. 2,875,880.  
 Palmer, Leon E. 2,905,305.  
 Palmer, Leon E. 2,919,002.  
 Palmer, Leon E., and Donnan. 2,905,303.  
 Palmer, Leon E., Page, and Hickerson. 2,879,876.  
 Palmer, Ralph L. 2,884,189.  
 Panisidli, Hugo A. 2,878,015.  
 Panisidli, Hugo A. 2,880,838.  
 Panisidli, Hugo A. 2,902,005.  
 Paulsen, Robert C. 2,880,392.  
 Paulsen, Robert C., and Dickinson. 2,901,608.  
 Peterson, Edward L., Jr. 2,878,398.  
 Petherick, Edward J., and Rowley. 2,886,242.  
 Petherick, Edward J., and Rowley. 2,913,177.  
 Petherick, Edward J., and Rowley. 2,913,178.  
 Phelps, Byron E., Sochor, and Kusnick. 2,913,171.  
 Post, Frederick L. 2,898,581.  
 Pratt, Francis L. 2,889,833.  
 Purcell, Joseph J. 2,885,072.  
 Quade, Edward A. 2,875,429.  
 Quade, Edward A., and Wood. 2,890,657.  
 Rehurek, Adolph, Jr. 2,889,909.  
 Reas, Thomas I., and Greanias. 2,919,425.  
 Rice, Rex. 2,911,147.  
 Richards, Richard K. 2,888,556.  
 Rochester, Nathaniel, Johnson, Amdahl, and Mutter. 2,889,535.  
 Rogers, Mortimer D., and Dickinson. 2,880,314.  
 Rohland, William S. 2,877,951.  
 Rohland, William S. 2,910,686.  
 Rohland, William S. 2,919,426.  
 Rosenheim, Donald E. 2,911,623.  
 Ross, Dan C. 2,884,621.  
 Ross, Harold D., Sarahan, Astrahan, Housman, and Thomas. 2,914,248.  
 Roth, Robert I. 2,867,168.  
 Roth, Robert I. 2,889,539.  
 Roth, Robert I. 2,896,844.  
 Roth, Robert I. 2,905,000.  
 Roth, Robert I. 2,914,245.  
 Russell, Louis A. 2,894,151.  
 Russell, Louis A. 2,904,779.  
 Russell, Louis A. 2,907,987.  
 Russell, Louis A. 2,910,595.  
 Russell, Louis A. 2,919,354.  
 Rutz, Richard F. 2,867,732.  
 Rutz, Richard F. 2,889,499.  
 Rutz, Richard F. 2,898,474.  
 Rutz, Richard F. 2,910,634.  
 St. Johnston, Andrew. 2,895,071.  
 Saltz, Fred. 2,884,852.  
 Saxenmeyer, George J. 2,919,382.  
 Schreiner, Kenneth E. 2,875,951.  
 Scott, George W., and MacLay. 2,915,906.  
 Shafer, Orville B., and Reynolds. 2,910,234.  
 Shafer, Orville B., and Rohland. 2,909,993.  
 Shafer, Orville B., and Rohland. 2,910,685.  
 Silvey, Gene A., and Lyons. 2,898,248.  
 Slack, Robert E. 2,889,532.  
 Slack, Robert E. 2,907,926.  
 Sliter, Donald D. 2,872,589.  
 Smith, Perrin F. 2,906,819.  
 Smith, Robert S., Eggenberger, and Scow. 2,907,680.  
 Smura, Edwin J. 2,914,098.  
 Snyder, Leonard B., and Wittenberg. 2,872,110.  
 Solar, Samuel L. 2,917,460.  
 Southard, Carl D. 2,910,235.  
 Sprick, Walter. 2,919,364.  
 Springer, Charles G., Jr. 2,888,077.  
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 Stott, Charles B., and Daino. 2,907,520.  
 Strong, Thomas M. 2,910,597.  
 Swanson, Robert E., and Berger. 2,875,506.  
 Taunt, James E. 2,895,106.  
 Taylor, Richard. 2,886,702.  
 Thompson, John J., and Knight. 2,898,255.  
 Tibbling, Stig B. 2,879,877.  
 Tibbling, Stig B. 2,889,026.  
 Toepfen, Thurston H. 2,889,024.  
 Toepfen, Thurston H. 2,902,137.  
 Toner, James W. 2,910,583.  
 Tucker, Gardiner L. 2,869,054.  
 Vogel, Norman A. 2,886,651.  
 Vogel, Norman A. 2,897,484.  
 Wagner, Walter W. 2,901,246.  
 Walker, Robert M. 2,886,798.  
 Walker, Robert M. 2,891,153.  
 Walker, George A. 2,902,132.  
 Walton, Charles A. 2,872,671.  
 Walton, Neil D., and Kruspe. 2,902,133.  
 Way, James E. 2,902,330.  
 Weidenhammer, James A. 2,910,294.  
 Weiss, Cornelius F., Jr., and Di Camblo. 2,884,191.  
 Whippo, Walter B. 2,902,136.  
 Whippo, Walter B. 2,919,008.  
 Whitney, Gordon E. 2,877,449.  
 Willard, Dennis D. 2,869,965.  
 Willard, Dennis D. 2,895,079.  
 Willard, Dennis D. 2,901,738.  
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 Williams, Frederic C., Kilburn, Edwards, and Thomas. 2,913,175.  
 Williams, Frederic C., Kilburn, and Robinson. 2,892,588.  
 Wilson, Edward S., and Young. 2,885,656.  
 Wilson, Lawrence A., Durfee, and Tashjian. 2,900,831.  
 Wilson, Melvin G. 2,894,128.  
 Wittenberg, Wilford M. 2,910,674.  
 Wittwer, Bernard W. 2,872,013.  
 Wohr, Thomas E. 2,882,424.  
 Woodbury, William W., Wheelock, and Toben. 2,884,619.  
 Wooding, Edwin R. 2,918,865.  
 Young, Donald R. 2,869,111.  
 Young, Donald R. 2,877,355.  
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 Young, Donald R. 2,914,736.  
 Young, Donald R. 2,919,063.  
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 Hansen, Victor G. 2,891,557.  
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 Harlow, Walter F. 2,867,378.  
 International Computers and Tabulators Ltd.: See—  
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 Brodlo, Daniel. 2,892,542.  
 Drewe, John, and Atkinson. 2,899,568.  
 Keen, Harold H. 2,909,128.  
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 McAdam, John C. 2,915,637.  
 Woods, Leroy R. 2,899,670.  
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 Norment, Robert T. 2,870,862.  
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 Aasland, John L. 2,881,579.  
 Aasland, John L. 2,912,812.  
 Allin, George S. 2,867,922.  
 Allin, George S., Sr. 2,888,758.  
 Allin, George S., Sr., and Liu. 2,876,657.  
 Barbknecht, Fred W. 2,869,308.  
 Barrett, Robert D. 2,868,273.  
 Beardsley, Gale R. 2,906,252.  
 Behnen, William B. 2,871,805.  
 Benno, Edward L. 2,884,811.  
 Bornzin, James H. 2,909,989.  
 Bornzin, James H., Sadler, and Fachini. 2,884,754.  
 Carlson, Ernest C. 2,909,988.  
 Chen, Simon K. 2,872,496.  
 Christofferson, Donald F. 2,876,853.  
 Clark, Adna R. 2,906,088.  
 Clark, Adna R. 2,912,832.  
 Courtney, Joseph F., and Radtke. 2,885,257.  
 Covitt, Jack G. 2,901,792.  
 Davidson, Trevor O., and Storatz. 2,897,618.  
 Donner, Verne P., Hennings, and Allin. 2,917,125.  
 Erlsman, Ralph J. 2,895,330.  
 Fell, George W., Jr. 2,885,243.  
 Fell, George W., Jr. 2,912,198.  
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 French, George L. 2,886,338.

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 Hagen, Clarence R. 2,869,306.  
 Hanson, Clark L. 2,881,957.  
 Harrop, Clifford B. 2,869,657.  
 Hausmann, Joseph A. 2,897,661.  
 Hennessey, Richard G. 2,874,790.  
 Henning, William W., and Storatz. 2,867,444.  
 Herschman, Gordon L. 2,869,654.  
 Herschman, Gordon L. 2,874,789.  
 Herschman, Gordon L. 2,886,065.  
 Hubert, Clarence A. 2,899,034.  
 Hubert, Clarence A., Rosenthal, and Barrett. 2,881,627.  
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 Huddle, Edwin F., and Clark. 2,895,278.  
 Jedrzykowski, Edmund. 2,908,994.  
 Jucailis, Pranas. 2,868,674.  
 Kivisto, Lauri J., and Seddon. 2,897,787.  
 Kolthoff, C. Paul, Jr. 2,876,751.  
 Kolthoff, C. Paul, Jr. 2,845,503.  
 Kolthoff, C. Paul, Jr. 2,897,803.  
 Kolthoff, C. Paul, Jr. 2,902,298.  
 Kolthoff, C. Paul, Jr., and Jones. 2,909,363.  
 Kowalik, John J. 2,889,153.  
 Lee, Fred A. 2,868,310.  
 Lyle, James E., and Jaramillo. 2,906,352.  
 Maki, Edwin C. 2,876,743.  
 Malcolm, Robert H. 2,902,012.  
 Mason, Wylie A., Jr. 2,869,656.  
 Maughan, John. 2,912,258.  
 May, Patrick L. 2,897,747.  
 Miller, Robert H. 2,916,097.  
 Miller, Robert H., and Ward. 2,916,096.  
 Moorman, Earl F. 2,909,625.  
 Morkoski, James. 2,912,256.  
 Murray, Donald A. 2,869,305.  
 Oberly, Alton F., and Daroch. 2,876,533.  
 Olson, William N. 2,871,964.  
 Orendorf, John W. 2,869,491.  
 Palmer, John S., and Gaul. 2,912,095.  
 Person, Frank W. 2,877,000.  
 Pool, Stuart D. 2,909,893.  
 Pool, Stuart D., and Melin. 2,876,796.  
 Roehm, Charles W. 2,888,829.  
 Richardson, Pierce F. 2,876,659.  
 Richardson, Pierce F. 2,906,564.  
 Routledge, James H. 2,885,021.  
 Routledge, James H. 2,897,791.  
 Ruggeri, John R. 2,876,752.  
 Scarnato, Thomas J., Ziellinski, and Hilblom. 2,895,277.  
 Seddon, Thomas R. 2,902,053.  
 Sewell, Ernest R. 2,882,090.  
 Shallenberg, Robert L. 2,872,247.  
 Shallenberg, Robert L. 2,887,993.  
 Smith, Hiram P. 2,869,653.  
 Smith, Hiram P. 2,871,960.  
 Snow, Kenneth T. 2,895,590.  
 Staadt, Richard L. 2,885,049.  
 Steiner, Phillip F. 2,885,013.  
 Stillo, Frank W. 2,882,885.  
 Storatz, Gottfried J. 2,877,024.  
 Swift, John F. 2,901,888.  
 Tan, Kheng S. 2,912,826.  
 Toland, Wayne G. 2,895,559.  
 Toland, Wayne G., and Murray. 2,913,059.  
 Tomik, George A. 2,877,055.  
 Vaha, William. 2,906,291.  
 Van Buskirk, Ernest M. 2,912,811.  
 Wagner, John C. 2,912,057.  
 Walker, Delos A., and Patton. 2,876,612.  
 Willey, Frederick H., and Bellingher. 2,902,105.  
 Wulpi, Donald J. 2,876,528.  
 Young, Stephen M., and Christie. 2,895,281.  
 Ziskal, Joseph F. 2,894,492.  
 Ziskal, Joseph F. 2,906,361.  
 International Hormones, Inc.: See—  
 Baker, Herman, and Ross. 2,917,436.  
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 Podoloff, Richard H. 2,871,450.  
 Thomas, Leon E., Jr., Grusa, and Huley. 2,900,462.  
 International Latex Corp.: See—  
 Barth, Harry J. 2,880,186.  
 Miller, Alfred L., and V. A. 2,880,189.  
 Miller, Verle A., and Becker. 2,876,203.  
 Miller, Wilbur A., and Glenger. 2,867,847.  
 Owens, Robert G., and Kroll. 2,896,237.  
 International MacGregor Organization (I. M. G. O.): See—  
 Schmidt, Gunter. 2,869,859.  
 International Machinery Corp., S.A.: See—  
 Notre Dame, Prosper P., and de Back. 2,904,944.  
 International Metal Products Co.: See—  
 Goettl, Albert B. 2,895,401.  
 International Minerals & Chemical Corp.: See—  
 Bart, Roger. 2,890,934.  
 Baumann, Arthur N. 2,888,321.  
 Byrne, Harold J. 2,888,383.  
 Cook, Charles C. 2,881,916.  
 Dancy, William B., and Nylander. 2,900,227.  
 Dancy, William B., and Stanley. 2,895,794.  
 Dowling, Basil B. 2,898,358.  
 Fenske, Douglas H. 2,885,078.  
 Fenske, Douglas H., and Sorensen. 2,884,306.  
 Pike, Harold L. 2,882,302.



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 Gillis, Marvin B. Re. 24,707.  
 Gloss, Gunter H. 2,869,988.  
 Gloss, Gunter H. 2,874,027.  
 Gloss, Gunter H. 2,888,319.  
 Gloss, Gunter H. 2,912,317.  
 Gloss, Gunter H., and Ittlinger. 2,903,434.  
 Gloss, Gunter H., and McGinnis. 2,903,336.  
 Gross, John H. 2,913,363.  
 Hartig, Rufus G., and Archer. 2,901,081.  
 Haseman, Joseph F. 2,914,174.  
 Hill, Frederick J. 2,902,029.  
 Hoglan, Forest A. 2,909,564.  
 Horn, Hans. 2,869,987.  
 Houston, Harry H. 2,898,303.  
 Houston, Harry H., and McCollum. 2,878,131.  
 Kodras, Rudolph. 2,897,209.  
 Kodras, Rudolph. 2,904,555.  
 Le Baron, Ira M. 2,882,127.  
 Le Baron, Ira M. 2,889,042.  
 Le Baron, Ira M. 2,889,200.  
 Le Baron, Ira M. 2,889,217.  
 Le Baron, Ira M. 2,893,874.  
 Le Baron, Ira M. 2,899,055.  
 Le Baron, Ira M. 2,914,173.  
 Le Baron, Ira M., and Northcott. 2,895,799.  
 MacDonald, Robert A., and Stewart. 2,893,858.  
 McCollum, Louis S., and Gindoff. 2,902,379.  
 McGinnis, William J., and Gloss. 2,903,337.  
 Neukom, Hans. 2,884,412.  
 Norman, Oscar L. 2,900,391.  
 Northcott, Elliott. 2,900,975.  
 Peterson, John A., and Gloss. 2,893,828.  
 Purvis, Joseph L. 2,906,602.  
 Richardson, Woodrow W. 2,893,834.  
 Woerther, Clarence. 2,870,048.  
 International Nickel Co., Inc.: The: See—  
 Betteridge, Walter. 2,891,307.  
 Bieber, Clarence G., and Ziegler. 2,912,323.  
 Evans, Howard, and Worn. 2,889,224.  
 Graham, Alexander B. 2,914,841.  
 Leaberry, Ernest F., Hendershot, and Edwards. 2,882,568.  
 Petryck, Leon M., and Pease. 2,900,490.  
 Rhoda, Richard N., and Madison. 2,915,406.  
 West, De W. H., Townsend, and Llewellyn. 2,909,408.  
 Wilson, Hugh M. 2,894,822.  
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 Derringer, Ray. 2,901,962.  
 International Packings, Inc.: See—  
 Workman, Woodrow I. 2,915,345.  
 International Paper Box Machine Co.: The: See—  
 Goss, Harold J. 2,896,519.  
 La Bombard, Leon E. 2,899,873.  
 Mottet, Arthur L. 2,889,050.  
 Nelson, John E. 2,871,772.  
 International Paper Co.: See—  
 Foscoe, Clayton, and Cluffs. 2,882,969.  
 Hollis, Clinton R. 2,883,034.  
 Monroe, Wilfred E., and Cooper. 2,918,862.  
 International Pulp Products, Inc.: See—  
 Cusi, Dante S. 2,913,362.  
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 Diebold, Edward J. 2,886,747.  
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 Diebold, Edward J. 2,918,616.  
 Escoffery, Charles A. 2,892,136.  
 Escoffery, Charles A. 2,918,613.  
 Knepscheld, Robert E., and Conto. 2,908,850.  
 Konz, Daniel. 2,915,680.  
 Macha, Milv. 2,891,882.  
 Parrish, Frank W. 2,918,612.  
 International Register Co.: See—  
 Gallagher, William P., Stolle, and Schroeder. 2,886,106.  
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 Heyer, Don. 2,885,237.  
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 Hayman, Alexandre. 2,879,361.  
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 Labrozzi, Anthony F., and D'Orazio. 2,907,158.  
 Singer, Robert J., and Lichtenberg. 2,871,622.  
 Stein, Sidney J. 2,872,341.  
 Wellard, Charles. 2,899,608.  
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 Marble, Harold A., and Bureby. 2,884,048.  
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 Agnew, Norman M. 2,891,845.  
 Brison, Robert J. 2,907,456.  
 Hopper, Cecil M., and Richards. 2,878,182.  
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 Ladenburg, Kurt. 2,868,655.  
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 Adelaar, Hans H., and De Wit. 2,913,531.  
 Aigrain, Pierre R. 2,872,524.  
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 Battaille, Maurice C. E., and Planchals. 2,919,309.  
 Beck, Arnold H. W., Cutting, Brisbane, and King. 2,912,611.  
 Beck, Arnold H. W., and de Mengel. 2,918,599.  
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 Berthold, Wolfgang. 2,918,601.  
 Branch, Maurice C. 2,914,667.  
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 Bray, Frederick H., King, and Hartley. 2,913,530.  
 Bray, Frederick H., King, and Rice. 2,899,500.  
 Bray, Frederick H., and Knight. 2,872,527.  
 Bray, Frederick H., and Knight. 2,906,888.  
 Bray, Frederick H., and Knight. 2,911,475.  
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 Brewster, Arthur E. 2,868,891.  
 Buchmann, Gerhard, and Karolus. 2,872,532.  
 Chapman, Roger, and Robinson. 2,901,556.  
 Chittleburgh, William F. S., Walker, and Jessop. 2,918,529.  
 Clarke, George W., Weston, and Andrews. 2,894,055.  
 Clarke, George W., Weston, and Andrews. 2,914,599.  
 Den Hertog, Martinus. 2,884,489.  
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 Donceel, Jules L. J., and Van Der Harck. 2,914,621.  
 Dukes, John M. C., and Kemp. 2,874,276.  
 Dumousseau, Claude R. J., and Chatelet. 2,881,415.  
 Earp, Charles W. 2,871,290.  
 Eick, Wolfgang H. G. 2,878,358.  
 Goerlich, Reinhard. 2,908,278.  
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 Green, Bernard J. 2,885,334.  
 Grewe, Theodor. 2,896,170.  
 Grottrup, Helmut. 2,890,301.  
 Henquet, Andre J., and Perrot. 2,882,344.  
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 Hubner, Udo. 2,896,191.  
 Ito, Michiaki. 2,902,622.  
 Jackson, Thomas M., and Sell. 2,896,122.  
 Jacobsen, Bent B. 2,874,273.  
 Jacobsen, Bent B., and Feldhusen. 2,877,409.  
 Jaenke, Martin G., and Reischl. 2,883,456.  
 Leman, Hugh S. 2,916,558.  
 Klein, Werner, and Friz. 2,871,393.  
 Klein, Werner, and Friz. 2,905,847.  
 Klein, Werner, and Friz. 2,911,599.  
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 Klepp, George F. 2,880,350.  
 Klepp, George F. 2,894,164.  
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 Leno, John A. 2,902,628.  
 Leno, John A. 2,913,643.  
 Lens, Georges X. 2,873,863.  
 Lens, Georges X. 2,886,166.  
 Lens, Georges X. 2,914,197.  
 Lestl, Arnold. 2,897,355.  
 Lewin, Leonard, and Pethick. 2,882,500.  
 Lieb, Albert. 2,902,619.  
 Linnebach, Adolf. 2,919,417.  
 Linsman, Marcel. 2,886,246.  
 Krulthof, Jakob. 2,867,691.  
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 Marteleur, Carl. 2,916,559.  
 Matthews, Kenneth A., and Hyman. 2,886,739.  
 Matthieu, Johannes. 2,896,129.  
 Mayer, Simon E. 2,914,449.  
 Mayer, Simon E., and Waddell. 2,907,885.  
 Mehila, Arthur. 2,889,941.  
 Mittag, Fritz H. 2,877,718.  
 Mittag, Fritz H. 2,901,676.  
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 Muller, Martin. 2,918,622.  
 Nishio, Hideohiko, and Yasuda. 2,882,439.  
 Odell, Alexander D., and Turner. 2,906,890.  
 Oden, Hoeckley. 2,887,536.  
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 Raithe, Kurt E. 2,906,930.  
 Ridler, Desmond S., and Armsby. 2,883,475.  
 Robinson, Thomas P., and Dawkins. 2,881,856.  
 Robinson, Thomas P., and Glover. 2,876,861.  
 Rogers, Douglas C. 2,889,478.  
 Rogers, Douglas C. 2,890,370.  
 Rogers, Douglas C. 2,918,593.  
 Rogers, Douglas C., and Burke. 2,890,371.  
 Rogers, Douglas C., and Pohl. 2,871,392.  
 Rottgardt, Jurgen. 2,876,129.  
 Rouché, Nicolas L. M. 2,911,149.  
 Sass, Karl. 2,887,537.  
 Schmidt, Fritz. 2,897,277.  
 Schröder, Heinrich. 2,911,574.  
 Scott, Thomas R., King, and Wilson. 2,910,394.  
 Steinhilber, Karl W., Endress, and Reiner. 2,908,824.  
 Steiner, Fritz, and Morke. 2,881,373.  
 Sterling, Henley F. 2,914,397.  
 Strosche, Hermann K. J. 2,908,502.  
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- Isham, Timothy. Temperature exchanger. 2,902,266, 9-1-59, Cl. 257-263.
- Isham, Timothy. Refrigerator. 2,907,185, 10-6-59, Cl. 62-383.
- Ishida, Yoshimitsu. Jewelled point pen. 2,906,243, 9-29-59, Cl. 120-112.
- Ishii, Masao: See—  
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- Ishii, Tadao: See—  
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- Ishikawa, Kazuo: See—  
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- Ishimoto, Noboru: See—  
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- Ishiwata, Akio: See—  
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- Ishizuka, Hiroshi. Apparatus for continuous vacuum refining of sponge metallic titanium. 2,878,008, 3-17-59, Cl. 266-16.
- Ishizuka, Hiroshi. Process for the disposal of waste gas from the manufacture of titanium tetrachloride. 2,889,687, 6-9-59, Cl. 62-10.
- Ishizuka, Kazuhiko: See—  
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- Ishler, William E.: See—  
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- Ishoy, Albert D.: See—  
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- Ishoy, Albert D., and J. W. Tiscornia, to Lambert Brake Corp. Fluid pressure-operated self-adjusting disc brake. 2,883,009, 4-21-59, Cl. 188-72.
- Isler, Otto: See—  
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- Inhoffen, Hans H., Isler, Montavon, Ruegg, and Zeller. 2,890,249.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Process for the manufacture of polyene aldehydes. 2,867,627, 1-6-59, Cl. 260-340.9.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. New carotenoid and process for the manufacture thereof. 2,867,652, 1-6-59, Cl. 260-488.
- Isler, Otto, H. Lindlar, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. 4,4'-disubstituted-C<sub>60</sub>-carotenoids and their preparation. 2,870,197, 1-20-59, Cl. 260-488.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Unsaturated aldehydes and process for the preparation of such compounds. 2,874,183, 2-17-59, Cl. 260-488.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Process for the manufacture of polyene compounds. 2,879,303, 3-24-59, Cl. 260-611.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Process for the manufacture of polyene compounds. 2,879,304, 3-24-59, Cl. 260-611.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Intermediates for the production of and unsaturated dialdehyde. 2,886,588, 5-12-59, Cl. 260-476.
- Isler, Otto, H. Lindlar, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Preparation of 15,15'-dehydro-β-carotene. 2,898,385, 8-4-59, Cl. 260-666.
- Isler, Otto, M. Montavon, R. Ruegg, and P. Zeller, to Hoffmann-La Roche Inc. Process for the manufacture of carotenoids. 2,917,539, 12-15-59, Cl. 260-488.
- Isler, Saul G. Means for detachably securing wriststraps. 2,886,874, 5-19-59, Cl. 24-265.
- Isley, Arthur L. Apparatus for stemming tobacco. 2,881,768, 4-14-59, Cl. 131-126.
- Isley, Cary T., Jr., to The Martin Co. Suppressed carrier modulator. 2,870,414, 1-20-59, Cl. 332-44.
- Ismay Lamps Ltd.: See—  
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- Isola, Charles R.: See—  
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- Ruderman, Irving W. 2,883,550.
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- Israelson, Arlo F., and E. J. Tenpas, to F. J. Stokes Machine Co. Magnetic separator for pills. 2,900,076, 8-18-59, Cl. 209-215.
- Isreel, Jack, to Technicon Instruments Corp. Dialyzers. Re. 24,736, 11-17-59, Cl. 210-321.
- Isreel, Jack, to Technicon International, Ltd. Automatic immersion apparatus. 2,872,894, 2-10-59, Cl. 118-10.
- Isreel, Jack, and A. Ferrari, Jr., to Technicon Instruments Corp. Pumps. 2,893,324, 7-7-59, Cl. 103-149.
- Issalewitch Rebkoff, Dimitri. Submarine clearing machine. 2,907,162, 10-6-59, Cl. 56-9.
- Issigonis, Alexander A., to The Austin Motor Co. Ltd. Motor vehicle power plants. 2,913,927, 11-24-59, Cl. 74-701.
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- Itkonen, Sylvia. Garment stretcher. 2,887,257, 5-19-59, Cl. 223-69.
- Ito, Akira, to Shinagawa Hakurenga Kabushiki Kaisha. Method of burning ceramic ware. 2,883,729, 4-28-59, Cl. 25-157.
- Ito, Michiaki, to International Standard Electric Corp. Charged particle beam focusing system. 2,902,622, 9-1-59, Cl. 315-3.6.
- Ito, Tomoo: See—  
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- Itria, Oswald A., and H. L. Tanner, III, to The Texas Co. Explosive assembly. 2,887,053, 5-19-59, Cl. 102-24.
- Itria, Oswald A., and B. D. Lee, to Texaco Inc. Method of geophysical exploration. 2,908,342, 10-13-59, Cl. 181-5.
- Ittermann, Alfred S., and G. A. Mitchell, to Western Electric Co., Inc. Magnetron supporting apparatus. 2,916,248, 12-8-59, Cl. 248-287.
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- Ivanoff, Alexander, to Hayward-Tyler and Co. Ltd. Structures comprising a motor and a pump driven thereby. 2,885,963, 5-12-59, Cl. 103-87.
- Iversen, Arthur H., to Hughes Aircraft Co. Vitreous coated magnetic material. 2,877,144, 3-10-59, Cl. 117-215.
- Iversen, Arthur H., to Hughes Aircraft Co. Traveling wave electron discharge device. 2,884,556, 4-28-59, Cl. 315-3.6.



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 Ivy, Mary E., to The Goodyear Tire & Rubber Co. Container for packaging pills, etc. 2,878,928, 3-24-59, Cl. 206-56.  
 Iwal, Ryohel. Oil atomizing machine for remedy of consumption. 2,871,855, 2-3-59, Cl. 128-195.  
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Jacklin, Harold M. Coolant jacket arrangement for internal combustion engines. 2,895,458, 7-21-59, Cl. 123-41.72.  
 Jackman, Charles W., to General Motors Corp. Journal shaft bearing. 2,913,290, 11-17-59, Cl. 308-237.  
 Jackman, Sidney. Combined child's handbag and carrying package. 2,897,865, 8-4-59, Cl. 150-34.  
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 Jackson, Anton and B. A. Printed circuit contact receptacles. 2,911,612, 11-3-59, Cl. 339-176.  
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 Jackson, Corwill, to Jackson Vibrators, Inc. Ballast working implement and vibrated blade units therefor. 2,892,417, 6-30-59, Cl. 104-13.  
 Jackson, Corwill, to Jackson Vibrators, Inc. Ballast tamping machine. 2,899,909, 8-18-59, Cl. 104-12.  
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 Jackson, Donald R., to Wyandotte Chemicals Corp. Lower fatty acid esters of N, N', N' tetrakis (2-hydroxypropyl) ethylene diamine and vinyl chloride compositions containing same. 2,874,138, 2-17-59, Cl. 260-31.8.  
 Jackson, Donald R. P., to Molins Machine Co. Ltd. Apparatus for packing rectangular block-shaped articles. 2,917,887, 12-22-59, Cl. 53-230.  
 Jackson, Donald R. P., to Molins Machine Co. Ltd. Apparatus for packing rectangular block-shaped articles in cartons. 2,918,279, 12-22-59, Cl. 271-28.  
 Jackson, Earl C. Gas burner. 2,867,271, 1-6-59, Cl. 158-99.  
 Jackson, Edwin T. Door unit. 2,914,817, 12-1-59, Cl. 20-11.  
 Jackson, Edward G. Sewing machine cabinet. 2,882,111, 4-14-59, Cl. 312-30.  
 Jackson, George W., to General Motors Corp. Fluid suspension control mechanism. 2,887,324, 5-19-59, Cl. 280-124.  
 Jackson, George W., to General Motors Corp. Control for fluid suspension system. 2,888,273, 5-26-59, Cl. 280-124.  
 Jackson, George W. Scaffolding jack. 2,891,819, 6-23-59, Cl. 304-32.  
 Jackson, George W., to General Motors Corp. Hydraulic steering system with control means for valve reaction pressures. 2,893,504, 7-7-59, Cl. 180-79.2.  
 Jackson, George W., to General Motors Corp. Control apparatus for fluid spring suspension. 2,895,743, 7-21-59, Cl. 280-124.  
 Jackson, George W., to General Motors Corp. Air-oil suspension unit with ride height control. 2,895,744, 7-21-59, Cl. 280-124.  
 Jackson, George W., and J. F. Pribonic, to General Motors Corp. Control for fluid suspension system. 2,904,330, 9-15-59, Cl. 267-65.  
 Jackson, George W., and J. F. Pribonic, to General Motors Corp. Pneumatic suspension control system. 2,918,301, 12-22-59, Cl. 280-124.  
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 Jackson, Harold E., to Tecalemit Ltd. Single line lubricant injectors. 2,905,270, 9-22-59, Cl. 184-7.  
 Jackson, Harold L., to E. I. du Pont de Nemours and Co. Polymerization of conjugated diolefin with a catalyst consisting of a binary alloy of a group II-A metal and lithium. 2,908,672, 10-13-59, Cl. 260-94.2.  
 Jackson, Harold L., to E. I. du Pont de Nemours and Co. Polymerization of conjugated diolefin with a catalyst consisting of a binary alloy of a group II-A metal and a group III-A metal. 2,908,673, 10-13-59, Cl. 260-94.2.

Jackson, Harold P., to McDonough Power Equipment, Inc. Drive assembly for textile collars. 2,891,412, 6-23-59, Cl. 74-423.  
 Jackson, Harry D. Stepping device. 2,910,876, 11-3-59, Cl. 74-88.  
 Jackson, Harry E., and B. McDonnell, to The Consolidated Mining and Smelting Co. of Canada Ltd. Process for the production of melamine. 2,902,488, 9-1-59, Cl. 260-249.7.  
 Jackson, Harvey W., to Trans Continental Industries, Inc. Panic exit door latch. 2,910,858, 11-3-59, Cl. 70-92.  
 Jackson, Howard B., and C. L. Jolly, to Neisler Brothers, Inc. Apparatus and method for making shantung yarn. 2,911,782, 11-10-59, Cl. 57-38.3.  
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 Jackson, Jesse A. Paper making machine. 2,871,770, 2-3-59, Cl. 92-38.  
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 Jackson, John S., to The British Thomson-Houston Co. Ltd. Oxidation-resisting material. 2,886,537, 5-12-59, Cl. 252-518.  
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 Jackson, Julius, to E. I. du Pont de Nemours and Co. Chromic hydroxide-ferrie hydroxide pigment and coating composition containing same. 2,879,246, 3-24-59, Cl. 260-40.  
 Jackson, Julius, to E. I. du Pont de Nemours and Co. Organic coating composition containing basic nickel carbonate. 2,913,348, 11-17-59, Cl. 106-193.  
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 Jackson, Nolan C., to Wichita Precision Tool Co., Inc. Clamp assembly for garment finishing machines. 2,881,963, 4-14-59, Cl. 223-70.  
 Jackson, Nolan C., and C. L. Schroeder, to Wichita Precision Tool Co., Inc. Vent clamp for use when cleaning coats. 2,872,718, 2-10-59, Cl. 24-252.  
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 Jackson, Robert A. F. Electric space heaters. 2,904,666, 9-15-59, Cl. 219-34.  
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 Jackson, Russell K., to Radio Condenser Co. Switch. 2,876,314, 3-3-59, Cl. 260-166.  
 Jackson, Sam C. Vertically adjustable table. 2,916,340, 12-8-59, Cl. 311-39.  
 Jackson, Samuel H. Coaxial cable connector. 2,878,458, 3-17-59, Cl. 339-177.  
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 Jackson, Thomas J. Projection screen. 2,900,870, 8-25-59, Cl. 88-28.9.  
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 Jackson, Wilbur. Tufting machine. 2,878,763, 3-24-59, Cl. 112-79.  
 Jackson, Wilbur F., and T. J. Dykzeul, to Robertshaw-Fulton Controls Co. Thermostatic control device. 2,880,938, 4-7-59, Cl. 236-21.  
 Jackson, William L. Dispensing device. 2,896,825, 7-28-59, Cl. 222-211.  
 Jackson, William M., to Bonney Forge & Tool Works. Welded outlet fitting. 2,915,324, 12-1-59, Cl. 285-150.  
 Jackson, William M., II, to Godfrey L. Cabot, Inc. Method of firing ceramic composition. 2,910,760, 11-3-59, Cl. 25-157.  
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 Jacob, Allan S., to Synco Corp. Generator regulator system. 2,900,591, 8-18-59, Cl. 320-59.  
 Jacob, Ernst, K. Meyer, and S. Sommer, to Hercules Powder Co. Inc. Recovery of inert diluents used in the preparation of high molecular weight polyethylene. 2,913,447, 11-17-59, Cl. 260-94.9.  
 Jacob, Heinrich, to Zeiss Ikon A.G. Stuttgart. Mirror reflex camera with built-in electric exposure meter. 2,913,968, 11-24-59, Cl. 95-10.  
 Jacob, Raymond: See—  
 Rabaux, Jean, and Jacob. 2,913,799.  
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- Jacobs, James C., Jr.: See—  
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- Jacobs, John H., to Westrex Corp. Sound film recording system. 2,880,281, 3-31-59, Cl. 179-100.3.
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- Jacobs, Phil, Co., Inc.: See—  
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- Jacobs, Phillip C., Jr., to The Chase-Shawmut Co. High voltage fuses. 2,877,321, 3-10-59, Cl. 200-120.
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- Jacobs, Phillip, to Phil Jacobs Co., Inc. Maternity garment. 2,873,452, 2-17-59, Cl. 2-221.
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- Jacobsen, Bent B., to International Standard Electric Corp. Distortion elimination in radio repeater systems employing frequency modulation. 2,874,273, 2-17-59, Cl. 250-15.
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- Jacobsen, Dan, to Cycon, Inc. Automatic parking system. 2,899,087, 8-11-59, Cl. 214-16.1.
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- Jacobsen, Edwin, Jr. Storage system and apparatus. 2,911,115, 11-3-59, Cl. 214-16.1.
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- Jacobson, Arthur L., and S. E. Sorenson. Suspension of ceiling tile. 2,882,358, 4-21-59, Cl. 20-4.
- Jacobson, Carl H.: See—  
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- Jacobson, Darwin J. Writing instrument. 2,874,680, 2-24-59, Cl. 120-45.6.
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- Jacobson, Eugene W.: See—  
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- Jacobson, Herbert P.: See—  
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- Jacobson, Herbert P., and W. F. Williams, to Collins Radio Co. Interpolation device. 2,886,707, 5-12-59, Cl. 250-36.
- Jacobson, Howard C., and R. P. Olson. Auxiliary mixing device. 2,895,721, 7-21-59, Cl. 259-23.
- Jacobson, James J. Display and demonstration device. 2,898,692, 8-11-59, Cl. 35-49.
- Jacobson, James J. Measuring device. 2,903,203, 9-8-59, Cl. 242-84.8.
- Jacobson, Joel M.: See—  
Webb, William A., and Jacobson. 2,867,863.
- Jacobson, Larry: See—  
McCracken, John H., and Jacobson. 2,912,379.
- Jacobson, Larry, to Diamond Alkali Co. Rubbery diene synthetic elastomer composition. 2,894,926, 7-14-59, Cl. 260-28.5.
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- Jacobson, Rollyn P., to Sinclair Oil & Gas Co. Device for measuring gas. 2,915,220, 12-1-59, Cl. 222-3.
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- Jacobson, Wayne D., to Iowa Mfg. Co. of Cedar Rapids, Iowa. Rotary drum sealing means. 2,882,613, 4-21-59, Cl. 34-137.
- Jacobsson, Gösta, to B. Adamson. Coffee preparing apparatus. 2,896,609, 7-28-59, Cl. 126-374.
- Jacobsson, Jacob B., and N. A. Method for the production of pasteurized beverages, and contrivance for utilizing this method. 2,887,391, 5-19-59, Cl. 99-211.
- Jacobsson, Wilgot J., to Union Carbide Corp. Leakage testing apparatus with fluid pressure regulator. 2,908,158, 10-13-59, Cl. 73-46.
- Jacobus, William W.: See—  
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- Jacoby, Aaron. Pleated curtain fabric. 2,908,014, 10-13-59, Cl. 2-278.
- Jacoby, Arnold and P. Embroidered warp-knit tricot fabric. 2,888,815, 6-2-59, Cl. 66-195.
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- Rodriguez, Emil. 2,896,289.

- Jacoby, Gerald E., and J. W. Rieke, to Bell Telephone Laboratories, Inc. Communication switching network. 2,883,470, 4-21-59, Cl. 179-18.
- Jacoby, Hans G. Smoking article with filtering means. 2,893,399, 7-7-59, Cl. 131-10.
- Jacoby, Marvin, to Sperry Rand Corp. High speed printer. 2,915,968, 12-8-59, Cl. 101-93.
- Jacoby, Philip: See—  
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- Jacoler, Leon, to The Texas Co. Burner for gas generators. 2,894,569, 7-14-59, Cl. 158-99.
- Jacot-Guillarmod, André: See—  
Von Bezard, André, and Jacot-Guillarmod. 2,879,307.
- Jacox, Paul B.: See—  
Scripture, Edward W., Jr., Benedict, and Jacox. 2,868,659.
- Jacquart, Herman, to Jones & Laughlin Steel Corp. Article lifting apparatus. 2,890,906, 6-16-59, Cl. 294-86.
- Jacqueline Modes, Inc.: See—  
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- Jacques, George E.: See—  
Schunemann, Carl F., and Jacques. 2,884,581.
- Jacuzzi Bros., Inc.: See—  
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- Nash, Floyd M. 2,881,782.
- Jacuzzi, Candido, to Jacuzzi Bros., Inc. Crutch tip. 2,910,995, 11-3-59, Cl. 135-62.
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- Jaeger, Adolf, to Federal Chain Co. Method of forming an ornamental chain. 2,893,200, 7-7-59, Cl. 59-35.
- Jaeger, Adolf, to Federal Chain Co. Link made up of two parts joined by an upsetting operation. 2,893,201, 7-7-59, Cl. 59-80.
- Jaeger, Charles F. Prefabricated house panels and method of assembling them. 2,882,557, 4-21-59, Cl. 20-2.
- Jäger, Erich: See—  
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- Jaeger, Jacob J., to Pratt & Whitney Co., Inc. Automatic rotary positioning means. 2,876,661, 3-10-59, Cl. 74-821.
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- Jaeger, Robert P.: See—  
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- Jagger, Hubert, to T. B. Hirschberg, Jr. Checkwriter. 2,878,749, 3-24-59, Cl. 101-20.
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- Jahn, Earl W., and M. C. Premo, to Production Pattern & Foundry Co. Adhesive depositor for shell mold bonding apparatus. 2,893,078, 7-7-59, Cl. 22-31.
- Jahn, Herbert, F. Reinecke, R. Stabenau, and H. Stahl, to Siemens & Halske Akt. Telegraph transmitter. 2,877,301, 3-10-59, Cl. 178-17.
- Jahnel, Ernst, to A. Schroder. Lifting stage. 2,874,805, 2-24-59, Cl. 187-8.72.
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- Borey, Daniel S., Jahnig, and Molstedt. 2,889,265.
- Codet, Howard G., Jahnig, and Kaulakis. 2,902,432.
- Martin, Homer Z., and Jahnig. 2,882,206.
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- Pfeiffer, Robert W., Borey, and Jahnig. 2,881,130.
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- Jakes, William C., Jr., to Bell Telephone Laboratories, Inc. Microwave passive repeaters. 2,880,310, 3-31-59, Cl. 250-15.
- Jakeway, Gerald V., to Keeler Brass Co. Hood emblem assembly. 2,889,649, 6-9-59, Cl. 41-10.
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- Jakob, Fritz: See—  
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- Jakober, William: See—  
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- Jakubowski, Richard S., to Jarke Mfg. Co. Lifting hitch. 2,905,501, 9-22-59, Cl. 294-18.
- Jakubowski, Theodore P., to Shulton, Inc. Dispensing container. 2,917,765, 12-22-59, Cl. 15-137.
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- Jalar, Borje F., and F. G. Nordstrom, to Astra Pharmaceutical Products, Inc. Aspiring syringe. 2,904,044, 9-15-59, Cl. 128-218.1.
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- Jalkanen, Matti J. Scraper means. 2,901,763, 9-1-59, Cl. 15-246.5.
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- James, Bill Y. Leg structure for gift boxes. 2,899,165, 8-11-59, Cl. 248-189.
- James, Clarence R.: See—  
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- James, Cyril H., to United Shoe Machinery Corp. Method and apparatus for cutting double ended nails from wire stock. 2,903,720, 9-15-59, Cl. 10-54.



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- James, Henry A., to J. M. Blanton. Toy. 2,868,137, 1-13-59, Cl. 104-73.
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- Potter, Leon M., and Willett. 2,878,925.
- James-Pond-Clark: See—  
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- Jamieson, Hamer H.: See—  
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- Jamieson, Hugh V. Apparatus for processing motion picture film. 2,914,999, 12-1-59, Cl. 95-94.
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- Jamieson, Philip D.: See—  
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- Jamieson, Robert S., to Ultradyne, Inc. Variable-reluctance position transducer. 2,883,633, 4-21-59, Cl. 336-30.
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- Jamison, Carmel R.: See—  
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- Jamison, Frederick W. Detachable ice and snow melting panels for traffic bearing surfaces. 2,912,553, 11-10-59, Cl. 210-19.
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- Jamison, Robert M., to Ajem Laboratories, Inc. Powder dissolving apparatus. 2,906,607, 9-29-59, Cl. 23-271.
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- Janas, Bronislav. Rotating pick-up unit. 2,913,002, 11-17-59, Cl. 137-580.
- Jancosek, Andrew T.: See—  
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- Jancosek, Andrew T., and J. S. Brown, to Standard Oil Co. Insecticidal compositions. 2,906,744, 9-29-59, Cl. 260-96.5.
- Jandasek, Vladimir J., to Ford Motor Co. Hydrokinetic torque converter with adjustable reactor blades. 2,909,034, 10-20-59, Cl. 60-54.
- Janecka, Joseph J., Jr. Collapsible display device. 2,902,239, 9-1-59, Cl. 248-197.
- Janeczko, William A. Removable sectional cover for freight car. 2,893,329, 7-7-59, Cl. 105-377.
- Janeczko, William A. Top loading boxcar. 2,899,912, 8-18-59, Cl. 105-377.
- Janelid, Erik I., to Trelleborgs Gummifabriks Aktiebolag. Resilient and bonded drum lining. 2,909,383, 10-20-59, Cl. 241-183.
- Janelid, Erik I., and K. G. Olsson. Method of driving rock excavations. 2,896,929, 7-28-59, Cl. 262-1.
- James, Harry P. Three-way ball valve. 2,905,197, 9-22-59, Cl. 137-625.47.
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- Jang, Monroe: See—  
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- Janla, Zbigniew J., to Ford Motor Co. Pressure regulator valve assembly. 2,895,298, 7-21-59, Cl. 60-97.
- Janik, Anton J., to The Ridge Tool Co. Quick acting chuck. 2,891,799, 6-23-59, Cl. 279-114.
- Janiszewski, Kasimir. Lubricant retainer for leader pin bushings and the like. 2,877,063, 3-10-59, Cl. 308-5.
- Jankauskas, George P., to W. A. Dubovick, J. P. and P. A. Kozak. Anti-skid brake mechanism. 2,867,299, 1-6-59, Cl. 188-152.
- Janke, Edward J., and L. F. Mitchell, deceased, by National City Bank of Cleveland, executor, to Addressograph-Multi-graph Corp. Cleaner for rotary printing or duplicating machines. Re. 24,739, 11-24-59, Cl. 101-425.
- Janke, John A.: See—  
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- Jankowski, Edward M., to Sioux Steel Co. Animal watering tank. 2,869,753, 1-20-59, Cl. 220-73.
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- Janneck, Willard H.: See—  
Worden, Donald P., Young, and Janneck. 2,876,132.
- Jannenga, Joel A.: See—  
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- Janney, Thomas T., and A. Klein, to James Lees and Sons Co. Pile fabric. 2,876,525, 3-10-59, Cl. 28-78.
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- Janoff, Daniel L., to Heppenstall Co. Beam tongs. 2,874,990, 2-24-59, Cl. 294-86.
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- Janonis, George. Vehicle door latch. 2,918,320, 12-22-59, Cl. 292-280.
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- Janquart, Jerry C., and A. M. Samuels, to The Dole Valve Co. Detergent dispenser with constant hydrostatic head. 2,919,052, 12-29-59, Cl. 222-64.
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- Jansen, Alexander R. A., and J. C. Hamlet, to Lovens Kemiske Fabrik ved A. Kongsted. Process for the preparation of penicillin derivatives. 2,880,203, 3-31-59, Cl. 260-239.1.
- Jansen, Gerhart. Clamp nut apparatus. 2,896,496, 7-28-59, Cl. 85-38.
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- Jansen, Marinus J.: See—  
Lemmens, Hendrikus J., Jansen, and Haayman. 2,867,742.
- Jansen, Willem J. B. Machine for winding spiral springs. 2,871,910, 2-3-59, Cl. 153-64.
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- Janssen, Henricus J. H., and C. C. Kloppenburg, to Kunstzijdespinnerij Nyma N.V. Process for polymerizing acrylonitrile using an oxygen yielding catalyst and sulfur dioxide as an activator. 2,911,397, 11-3-59, Cl. 260-88.7.
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- Janssen, Paul A. J., and D. K. de Jongh, to N. V. Nederlandsche Combinatie voor Chemische Industrie. Antispasmodic preparation containing alpha-p-methoxyphenyl-alpha-di-n-butylamino-acetamide and method of producing anti-spasmodic activity. 2,877,156, 3-10-59, Cl. 167-65.
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- Janssen, Peter J. H.: See—  
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- Janssen, Peter J. H., and J. A. Verhoef, to North American Philips Co., Inc. Electromagnetic deflection system. 2,882,446, 4-14-59, Cl. 315-27.
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- Janssen, Peter J. H., and W. Smeulders, to North American Philips Co., Inc. Frequency demodulator. 2,904,675, 9-15-59, Cl. 250-20.
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- Jansson, Ake B. Adjustable work piece holder. 2,898,713, 8-11-59, Cl. 51-217.
- Jansson, Arnold O., to United-Carr Fastener Corp. Fastener. 2,904,864, 9-22-59, Cl. 24-73.
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- Jantsch, Albert F., to National Gypsum Co. Suspension celling. 2,877,878, 3-17-59, Cl. 189-88.
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- Janus, Julian A. Combined oil depth gauge and filter. 2,919,028, 12-29-59, Cl. 210-223.
- Janzso, Geza: See—  
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- Japolsky, Nicholas S., to Nicotron Developments Ltd. Rotary pumps. 2,898,864, 8-11-59, Cl. 103-149.
- Jaquith, Burton K. Means for extracting true proportionate samples of fluid material. 2,917,926, 12-22-59, Cl. 73-422.
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Lyle, James E., and Jaramillo. 2,906,352.
- Jardine, John, Ltd.: See—  
Haslam-Jones, Frank H. 2,896,497.
- Jarke Mfg. Co.: See—  
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- Jarman-Williamson Co.: See—  
Williamson, Norman B. 2,879,831.
- Williamson, Norman B. 2,885,215.
- Jarmus, Joseph M., D. Kaufman, and F. R. Marchetti, to National Lead Co. Pigmented synthetic material and a method for making the same. 2,868,663, 1-13-59, Cl. 106-193.
- Jaroco Engineering Co.: See—  
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- Govan, Roy H., and Meek. 2,888,029.
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- Meek, Harold J. 2,914,082.
- Jaromy, John A. Drive extension for outboard motors with rotary speed control. 2,903,903, 9-15-59, Cl. 74-471.
- Jaros, Stanley E.: See—  
Vickers, Herbert H., and Jaros. 2,887,725.
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- Jarret, Jacques: See—  
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- Jarret, Jacques H.: See—  
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- Jarrett, John W., and E. L. Rice, to United States of America, Navy. Rotary locking device. 2,917,942, 12-22-59, Cl. 74-504.
- Jarrett, Rainsford & Loughton Ltd.: See—  
Curry, Francis J. 2,919,019.
- Jarrett, William C.: See—  
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- Jarrian, Paul: See—  
Daniel, Pierre F., Casaceli, and Jarrian. 2,875,979.
- Jarund, Harry S. V., to Hermorian Ltd. Device for continuous filling of packages with a liquid during their manufacture. 2,869,299, 1-20-59, Cl. 53-63.
- Jarund, Harry S. V. Apparatus for automatically packing tetrahedron-shaped packages. 2,908,125, 10-13-59, Cl. 53-142.
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- Jarvi, Carl W., to Haskell Mfg. Co., Inc. Drawer lock. 2,882,112, 4-14-59, Cl. 312-221.
- Jarvinen, Willard B., to General Electric Co. Control system for induction motor. 2,890,398, 6-9-59, Cl. 318-225.
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- Jarvis, Edgar A., to M. Sobel. Method of refining scrap plastic and apparatus therefor. 2,879,005, 3-24-59, Cl. 241-14.
- Jarvis, Edward M., to Standard Pressed Steel Co. Metal shelving. 2,896,794, 7-28-59, Cl. 211-136.
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- Jarvis, Harold, Jr.: See—  
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- Jarvis, James G., to Grasslander (1957) Ltd. Forage crop harvesting chopper. 2,885,853, 5-12-59, Cl. 56-1.
- Jarvis & Jarvis, Inc.: See—
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- Jarvis Mfg., Inc.: See—
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- Goldberg, Albert I., and Jasinski. 2,910,448.
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- Koth, William P., and Jaskowiak. 2,915,991.
- Jaskowiak, Frank T., to A. O. Smith Corp. Rod tightener. 2,873,694, 2-17-59, Cl. 105-369.
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- Busch, Thomas N., and D. W. and B. E. Jasper. 2,876,816.
- Jasper, David W.: See—
- Busch, Thomas N., and D. W. and B. E. Jasper. 2,876,816.
- Jasper Wood Crafters, Inc.: See—
- Gramelspacher, Clarence U. 2,894,292.
- Jastram, Edward P.: See—
- Vander Pyl, John K., Jastram, McMorow, and Shockroo. 2,870,294.
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- Jatczak, Chester F., to The Timken Roller Bearing Co. Air hardening graphitic steel. 2,883,281, 4-21-59, Cl. 75-123.
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- Polyzou, James, and Jatlow. 2,913,711.
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- Jaume, Rene. Filter unit and filters equipped therewith. 2,883,058, 4-21-59, Cl. 210-487.
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- Adamson, Robert M. 2,873,827.
- Javor, George. Safety brake construction. 2,912,071, 11-10-59, Cl. 188-152.
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- Jeansonne, Robert L.: See—
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- Johannessen, John D., P. B. Myers, and J. E. Schwenker, to Bell Telephone Laboratories, Inc. Switching circuit. 2,899,570, 8-11-59, Cl. 307-88.5.  
Johannessen, Henrik C. W. Holding device for engraving templates. 2,910,774, 11-3-59, Cl. 33-23.  
Johanningmeier, Charles E. Match book. 2,884,121, 4-28-59, Cl. 206-29.
- Johannisson, Dag O. A., to Svenska Aktiebolaget Gasaccumulator. Suction device. 2,900,978, 8-25-59, Cl. 128-276.  
Johannsen, Adolf, W. Danz, W. Pfannmueller, and H. Wolf, to Badische Anilin- & Soda-Fabrik Akt. Method for production of gases containing sulfur dioxide. 2,889,202, 6-2-59, Cl. 23-177.  
Johannsen, Friedrich, to Aktiengesellschaft für Unternehmungen der Eisen- und Stahlindustrie. Direct smelting process in rotary kilns. 2,900,248, 8-18-59, Cl. 75-36.  
Johansson, Oscar K., to Dow Corning Corp. Phenylmethylsiloxane diphenylsiloxane copolymers. 2,868,766, 1-13-59, Cl. 260-46.5.
- Johansen, Carl: See—  
Aasted, Kai C. S., and Johansen. 2,896,557.
- Johanson, Bengt J., to Cinch Mfg. Corp. Jack connector for printed wiring. 2,869,090, 1-13-59, Cl. 339-17.  
Johanson, Bengt J., to United-Carr Fastener Corp. Electrical connector. 2,899,609, 8-11-59, Cl. 339-45.  
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- Johanson, Roy K., to Minneapolis-Honeywell Regulator Co. One pipe steam heating system control. 2,873,917, 2-17-59, Cl. 237-10.  
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- Johansson, Bengt-Olof: See—  
Ross, Karl G., Johansson, Axelsson, and Andersson. 2,896,606.
- Johansson, Erik, and E. E. W. Hellin, to Elektriska Svetsnings-aktiebolaget. Methods of casting steel bodies. 2,893,085, 7-7-59, Cl. 22-216.  
Johansson, Folke K. E.: See—  
Kalling, Bo M. S., and Johansson. 2,902,358.
- Johansson, Isak E.: See—  
Tesch, Erik T. A., and Johansson. 2,902,179.
- Johansson, K. Gustaf A., to The Frank G. Hough Co. Tractor loaders. 2,897,987, 8-4-59, Cl. 214-140.  
Johansson, Rolf, to Aktiebolaget Svenska Flaktfabriken. Volume governor. 2,904,067, 9-15-59, Cl. 137-499.  
Johansson, Rolf G. Sliding moulds with walls of sheet metal. 2,885,762, 5-12-59, Cl. 25-131.
- Johmann, Frank T. Protraction-retraction mechanism for writing instruments. 2,905,146, 9-22-59, Cl. 120-42.03.  
Johmann, Frank T. Protraction-retraction mechanism for writing instruments. 2,905,147, 9-22-59, Cl. 120-42.03.  
John, Russell W., to Allis-Chalmers Mfg. Co. Fluid flow measuring gauge. 2,872,815, 2-10-59, Cl. 73-401.
- Johnese, James W.: See—  
Fedorchak, William J., Early, and Johnese. 2,868,061.
- Johns, Daryl D. Bucking bronco amusement device. 2,864,247, 4-28-59, Cl. 272-57.
- Johns, Donald H.: See—  
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- Johns, Iral B.: See—  
Spedding, Frank H., Butler, and Johns. 2,877,109.
- Johns, Iral B., to Monsanto Chemical Co. Electrolytic process for producing metallic titanium. 2,893,935, 7-7-59, Cl. 204-64.  
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- Johns-Manville Corp.: See—  
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- Johns, Ralph W.: See—  
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- Johns, Richard J.: See—  
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- Johns, William F.: See—  
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Sarett, Lewis H., and Johns. 2,909,519.
- Johns, William F., to G. D. Searle & Co. Dehydrothiogenone intermediates. 2,875,201, 2-24-59, Cl. 260-239.55.  
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Johns, William H., and A. A. Perry, to United States Steel Corp. Apparatus for applying lubricant to wire. 2,872,027, 2-3-59, Cl. 205-19.
- Johnson, Al, and F. W. Gauger, to Al Johnson, d. b. a. Valley Pattern & Mfg. Co. Carton locking mechanism. 2,873,655, 2-17-59, Cl. 93-51.
- Johnson, Albert E., and T. D. Conway. Electrical recording and reproducing apparatus. 2,892,040, 6-23-59, Cl. 179-100.2.
- Johnson, Alexander J., to R. H. Pierce Mfg. Co. Valve which closes against internal pressure. 2,881,788, 4-14-59, Cl. 137-321.
- Johnson, Alf B. Operator for slide fasteners. 2,882,577, 4-21-59, Cl. 24-205.15.
- Johnson, Alfred C., to E. B. Plywood Machines. Log loader for veneer lathes. 2,912,024, 11-10-59, Cl. 144-209.
- Johnson, Alfred R.: See—  
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- Johnson, Allan M. Arm rest. 2,910,259, 10-27-59, Cl. 248-118.
- Johnson, Aislin K., to Delavan Mfg. Co. Rotary disk valve having a reinforced O-ring seal. 2,908,293, 10-13-59, Cl. 137-625.46.
- Johnson, Andrew L. Apparatus for production of tubular studs and the like. 2,881,726, 4-14-59, Cl. 113-1.
- Johnson, Andy A.: See—  
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- Johnson, Archie G., to Haas & Haynie. Support for wall-board. 2,907,199, 10-6-59, Cl. 72-46.
- Johnson, Armigene R. Unitary garment. 2,875,445, 3-3-59, Cl. 2-71.
- Johnson, Armigene R. Garment and cuff therefor. 2,876,456, 3-10-59, Cl. 2-269.
- Johnson, Arthur F., to Olin Mathieson Chemical Corp. Heat exchanger. 2,915,296, 12-1-59, Cl. 257-262.22.
- Johnson, Arthur J., to Columbia-Southern Chemical Corp. Chemical process. 2,876,074, 3-3-59, Cl. 23-202.
- Johnson, Arthur K.: See—  
Meyer, Robert H., and Johnson. 2,889,204.
- Johnson, Arthur S., to Brown & Sharpe Mfg. Co. Gear pump unit. 2,887,065, 5-19-59, Cl. 103-126.
- Johnson, August E.: See—  
Kinsey, Douglas D., Johnson, and Ashby. 2,910,704.
- Johnson, Axel E. F., to American Hospital Supply Corp. Hanger support. 2,870,917, 1-27-59, Cl. 211-105.1.
- Johnson, Axel E. F., to American Hospital Supply Corp. Collapsible stand. 2,901,123, 8-25-59, Cl. 211-142.
- Johnson, Axel E. F., to American Hospital Supply Corp. Hamper. 2,914,281, 11-24-59, Cl. 248-98.
- Johnson, Axel E. F., and K. G. C. Savke, to American Hospital Supply Corp. Standard support structure. 2,918,243, 12-22-59, Cl. 248-194.
- Johnson, Axel R.: See—  
Glustl, Gino P., and Johnson. 2,870,001.
- Johnson, Axel R., to Texas Gulf Sulphur Co. Method of fluidization. 2,870,002, 1-20-59, Cl. 75-9.
- Johnson, Bayard S.: See—  
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- Johnson Biscuit Co.: See—  
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- Johnson, Bobby J., and K. M. Dispensing rack for hair wave rods. 2,904,187, 9-15-59, Cl. 211-49.



- Johnson, Carl E.: See—  
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Johnson, Carl E., to National Aluminate Corp. Inhibition of foaming in steam generation. 2,875,156, 2-24-59, Cl. 252-321.  
Johnson, Carl E., and W. H. Thompson, to National Aluminate Corp. Process of inhibiting deposition of organic substances in heat exchangers and the like operating at elevated temperatures. 2,908,624, 10-13-59, Cl. 208-48.  
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Johnson, Carl W., to American Machine & Foundry Co. Sewing machine looper mechanism. 2,900,939, 8-25-59, Cl. 112-171.  
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Reinke, Alfred G., and Johnson. 2,884,269.  
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Johnson, Charles F., to McEvoy Co. Pipe anchor. 2,887,754, 5-26-59, Cl. 24-263.5.  
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Johnson, Chester F. Anchor bolt with spring biased reaming plates. 2,877,818, 3-17-59, Cl. 151-41.73.  
Johnson, Chester F. Under-reamer. 2,879,038, 3-24-59, Cl. 255-76.  
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Johnson, Christopher L., F. W. W. Morley, and D. O. Davies, to Rolls-Royce Ltd. Devices sensitive to the ratio between fluid pressures. 2,886,968, 5-19-59, Cl. 73-213.  
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Johnson, Clarence L., to Lockheed Aircraft Corp. Turbine engine blow-out preventer. 2,870,684, 1-27-59, Cl. 89-133.  
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Johnson, Darrell M. Multi-purpose structure. 2,877,879, 3-17-59, Cl. 189-88.  
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Johnson, Dean T., A. W. Albertine, S. Lippert, and W. F. Sheetz, to Douglas Aircraft Co., Inc. Adhesive insulation clip. 2,893,068, 7-7-59, Cl. 20-4.  
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Johnson, Ed. 3/4 to E. G. Johnson. Overhead sprinkler apparatus. 2,879,945, 3-31-59, Cl. 239-185.  
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Johnson, Edward O., to Radio Corp. of America. Stabilized pulse forming circuit including a gas tube. 2,877,386, 3-10-59, Cl. 315-237.  
Johnson, Edward O., to Union Carbide Corp. Method of and apparatus for producing a tightly packaged food product. 2,884,328, 4-28-59, Cl. 99-171.  
Johnson, Edward S. Air and liquid pressure spray gun for cleaning diesel engines and the like. 2,893,645, 7-7-59, Cl. 239-288.  
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Vantline, Harry, Jr., and Johnson. 2,894,258.  
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Johnson, Eldon A., to ACE Industries, Inc. Mechanical fuel pump. 2,905,097, 9-22-59, Cl. 103-150.  
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Johnson, Elmer C., to The Vendo Co. Multi-drink locking gate protection device. 2,898,001, 8-4-59, Cl. 221-125.  
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Johnson, Forrest A., to Double J Breaker Co. Soil breaker. 2,894,590, 7-14-59, Cl. 172-194.  
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Johnson, Franklyn H., deceased; R. F. Johnson, executrix. Wheel chair shock absorber. 2,895,742, 7-21-59, Cl. 280-124.  
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Johnson, Joel R.: See—  
Haagenen, Lelf E., Johnson, and Odgers. 2,899,196.  
Johnson, Joel R., to Western Electric Co., Inc. Machine for stitching terminals onto cards. 2,869,126, 1-20-59, Cl. 1-92.  
Johnson, John, and P. M. J. K. de Gooreynd, to Peterlite Products Ltd. Method of preparing molded article from polymerisable materials. 2,912,418, 11-10-59, Cl. 260-86.1.  
Johnson, John A., to Thermal Research and Engineering Corp. Fluid fuel burner. Re. 24,682, 8-18-59, Cl. 158-1.  
Johnson, John A. Apparatus for shaping clay-ware. 2,876,522, 3-10-59, Cl. 25-24.  
Johnson, John A., to ACF Industries, Inc. Vehicle hopper discharge control. 2,889,963, 6-9-59, Cl. 222-185.  
Johnson, John A., and J. M. Grutch, to ACF Industries, Inc. Lading storage and discharge apparatus. 2,913,147, 11-17-59, Cl. 222-70.  
Johnson, John B., to McGraw-Edison Co. Heat detector for hydrocarbon flames. 2,897,483, 7-28-59, Cl. 340-227.  
Johnson, John H., to Monsanto Chemical Co. Low molecular weight olefin/maleic anhydride copolymers made in special solvent systems. 2,913,437, 11-17-59, Cl. 260-78.5.  
Johnson, John H., and J. E. Fields, to Monsanto Chemical Co. Sizing polyester yarns with an ethylene-maleic interpolymer. 2,892,736, 6-30-59, Cl. 117-138.8.  
Johnson, John K. High-frequency screening enclosure. 2,913,577, 11-17-59, Cl. 250-20.  
Johnson, John M. Pole climbing safety device and seat. 2,879,830, 3-31-59, Cl. 155-78.  
Johnson, John R., to Owens-Illinois Glass Co. Chucking assembly for supporting hollow articles. 2,882,061, 4-14-59, Cl. 279-35.  
Johnson & Johnson: See—  
Billings, Orman B. 2,880,129.  
Bird, William H., Plantinga, and Newsome. 2,899,337.  
Blackford, Benjamin B. 2,882,179.  
Blackford, Benjamin B. 2,909,278.  
Blackford, Benjamin B., and McLaren. 2,876,893.  
Britton, William J. 2,901,248.  
Burr, Frederick J. 2,897,961.  
Castelli, Charles. 2,872,950.  
Castelli, Charles. 2,892,560.  
Castelli, Charles. 2,893,405.  
Collins, Winifred C. 2,913,355.  
Coons, Frank P. 2,876,892.  
Dunlap, Isaac R. 2,905,584.  
Engel, Edward W., and Dunlap. 2,899,353.  
Ganz, Henry. 2,893,388.  
Hanton, Joseph F. 2,889,975.  
Holtz, Albert. 2,914,167.  
Lavanchy, Patricia B., Sonnichsen, and McElroy. 2,886,467.  
Lavanchy, Patricia B. 2,912,348.  
Nashed, Wilson. 2,904,469.  
Norland, Robert E., and Nasser. 2,903,379.  
Rosenberg, Norman, and Gaughran. 2,900,644.  
Schnefer, Robert J. 2,896,618.  
Schladermundt, Peter, Dennerlein, and Simons. 2,889,039.  
Sellers, John C. 2,870,128.  
Shelley, Thomas H., Jr., and Zirnite. 2,877,141.  
Smith, Clifford W. 2,905,174.  
Wilson, Evelyn H. 2,887,495.  
Wilson, Evelyn H. 2,899,458.  
Zackheim, Eli A. 2,877,810.  
Zackheim, Eli A. 2,897,962.  
Johnson, Joyce L.: See—  
Melchoni, Anna F., Johnson, and Chase. 2,917,475.  
Johnson, Julius T. Liquid sampling system. 2,872,818, 2-10-59, Cl. 73-423.  
Johnson, Julius G., and F. C. Hartmann, to Johnson-Hartmann. Hair clipper. 2,883,747, 4-28-59, Cl. 30-210.  
Johnson, Kall S., to Holley Carburetor Co. Ignition distributor. 2,905,162, 9-22-59, Cl. 123-117.  
Johnson, Karl G., to Telefonaktiebolaget L M Ericsson. Group selector device. 2,909,610, 10-20-59, Cl. 179-18.  
Johnson, Kenneth C.: See—  
Scarrott, Gordon G., Harwood, and Johnson. 2,883,534.  
Scarrott, Gordon G., and Johnson. 2,870,437.  
Johnson, Kenneth F., to Western Electric Co., Inc. Automatic shearing and coldwelding apparatus. 2,891,430, 6-23-59, Cl. 78-82.  
Johnson, Kenneth F., and A. L. Quinn, to Western Electric Co., Inc. Electrical control system for percussion welder. 2,871,337, 1-27-59, Cl. 219-113.  
Johnson, Kenneth L. Weld-lock nut. 2,909,205, 10-20-59, Cl. 151-21.  
Johnson, Kenneth L. Weld nut with inwardly sloping flash pockets. 2,909,206, 10-20-59, Cl. 151-41.7.  
Johnson, Kenneth M.: See—  
Johnson, Bobby J., and K. M. 2,904,187.  
Johnson, Kenneth O., to General Motors Corp. Turbine rotor assembly. 2,867,460, 1-6-59, Cl. 287-52.



- Johnson, Kenneth O., J. J. Nuber, H. H. Waddell, and R. E. Millar, to Esso Research and Engineering Co. Method and equipment for handling volatile liquid hydrocarbons. 2,880,593, 4-7-59, Cl. 62-45.
- Johnson, Kenneth R., to Minneapolis-Honeywell Regulator Co. Measuring instrument. 2,892,154, 6-23-59, Cl. 324-97.
- Johnson, Kenneth W. Vibration dampener. 2,967,434, 1-6-59, Cl. 267-1.
- Johnson, Kenneth W., to Johnson-Williams, Inc. Gas analyzers. 2,883,270, 4-21-59, Cl. 23-254.
- Johnson, Langdon G., to General Motors Corp. Closure. 2,887,331, 5-19-59, Cl. 286-5.
- Johnson, Lauren L., and B. C. Liebenthal, to General Motors Corp. Series compound motor circuit. 2,907,941, 10-6-59, Cl. 318-154.
- Johnson, Le Carda E.: See—
- Johnson, Ross H. 2,895,700.
- Johnson, Leland C.: See—
- Cooper, Ronald H., and Johnson. 2,870,110.
- Johnson, Lenard H., to Consolidated Electrodynamics Corp. Tape recorder drive. 2,886,757, 5-12-59, Cl. 318-318.
- Johnson, Lenard H., to United Geophysical Corp. Magnetic recording head-moving mechanism. 2,895,014, 7-14-59, Cl. 179-100.2.
- Johnson, Leona M. Collapsible tube capping and suspending device. 2,882,000, 4-14-59, Cl. 248-108.
- Johnson, Leonard E., Jr. Door guides. 2,898,623, 8-11-59, Cl. 16-90.
- Johnson, Leonard M., to International Telephone and Telegraph Corp. Polarized magnetic-operating device. 2,883,589, 4-21-59, Cl. 317-171.
- Johnson, Leslie W.: See—
- Oehler, William P., and Johnson. 2,881,849.
- Oehler, William P., and Johnson. 2,891,460.
- Johnson, Lloyd A., and E. K. Bowen, to Federal-Mogul-Bower Bearings, Inc. Fluid seal. 2,871,037, 1-27-59, Cl. 286-5.
- Johnson, Louis, Products Co., Inc. The: See—
- Trimble, Roy L. 2,878,042.
- Johnson, Loyd C. Combined door pull and latch. 2,892,652, 6-30-59, Cl. 292-126.
- Johnson, Loyd C. Door stop. 2,899,703, 8-18-59, Cl. 16-86.
- Johnson, Lyle S. Buoyant belt. 2,869,151, 1-20-59, Cl. 9-17.
- Johnson, Malcolm S., to Illinois Railway Equipment Co. Lading tie anchors. 2,897,771, 8-4-59, Cl. 105-369.
- Johnson, Martin A., to Kaiser Aluminum & Chemical Corp. Filter apparatus. 2,878,941, 3-24-59, Cl. 210-346.
- Johnson, Martin H., to Stoughton Cab & Body Co. Side loader for vehicles. Re. 24,757, 12-22-59, Cl. 214-83.24.
- Johnson, Martin K.: See—
- Tebboth, John A., and Johnson. 2,908,732.
- Johnson, Merlin. Portable-type bootjack with platform. 2,876,942, 3-10-59, Cl. 223-114.
- Johnson, Merlin. Bootjack and scraper combined. 2,889,972, 6-9-59, Cl. 223-114.
- Johnson, Melvin M., Jr., to Olin Mathieson Chemical Corp. Cartridge clip for loading box magazines. 2,887,811, 5-26-59, Cl. 42-87.
- Johnson, Melvin W., to Gardex, Inc. Lawn trimmer. 2,901,878, 9-1-59, Cl. 56-236.
- Johnson, Merriam E.: See—
- Barnitz, Edward S., and Johnson. 2,877,134.
- Johnson, Milton M. Railway axle box journal stop. 2,887,345, 5-19-59, Cl. 308-40.
- Johnson, Nancy H., and C. H. Coney, to Eastman Kodak Co. Cellulosic coatings for vinyl copolymers. 2,887,397, 5-19-59, Cl. 106-185.
- Johnson, Neal J.: See—
- McGhee, Kenneth B., and Johnson. 2,892,218.
- Johnson, Neal J., and J. D. Nickerson, to Union Carbide Corp. Oxidation resistant carbon and graphite bodies. 2,868,672, 1-13-59, Cl. 117-121.
- Johnson, Nels A., to G. M. Munson. Brine tank float valve control for water softener. 2,874,717, 2-24-59, Cl. 137-411.
- Johnson, Nels A. Automatic water softener. 2,905,325, 9-22-59, Cl. 210-275.
- Johnson, Norman M., to Cardwell Westinghouse Co. Rubber draft gear. 2,907,474, 10-6-59, Cl. 213-45.
- Johnson, Oney A., to Sampo, Inc. Rod holder. 2,912,196, 11-10-59, Cl. 248-42.
- Johnson, Oscar. Adjustable plumb bob. 2,906,033, 9-29-59, Cl. 33-217.
- Johnson, Oscar F.: See—
- Sederquist, Stanley L. F., and Johnson. 2,895,488.
- Johnson, Oscar H.: See—
- Latourette, Harold K., and Johnson. 2,908,703.
- Latourette, Harold K., Johnson, and Getz. 2,894,035.
- Johnson, Oscar H., to Food Machinery and Chemical Corp. Concentration of gamma benzene hexachloride by distillation. 2,878,164, 3-17-59, Cl. 202-39.5.
- Johnson, Oscar W.: See—
- Lewis, Kenneth D., Johnson, and Scott. 2,917,228.
- Johnson, Oscar W., to Dorr-Oliver Inc. Centrifuge construction. 2,911,139, 11-3-59, Cl. 233-2.
- Johnson, Oscar W., to Dorr-Oliver Inc. Centrifuge construction. 2,911,140, 11-3-59, Cl. 233-2.
- Johnson, Paul D.: See—
- Drapeau, Joseph E., Jr., and Johnson. 2,891,842.
- Johnson, Paul D., to The Glidden Co. Brazing paste and process of brazing. 2,908,072, 10-13-59, Cl. 29-473.1.
- Johnson, Paul H., to Phillips Petroleum Co. Recovery of cracking feed and asphalt. 2,882,219, 4-14-59, Cl. 208-86.
- Johnson, Paul R., and M. A. Smook, to E. I. du Pont de Nemours and Co. Chlorosulfonated hydrocarbon copolymers. 2,879,261, 3-24-59, Cl. 260-79.3.
- Johnson, Paul V.: See—
- Taylor, Robert B., and Johnson. 2,881,613.
- Johnson, Paul W., to The Johnson Gage Development Co. Gaging attachment for testing the centrality of a surface with respect to a thread or other surface. 2,872,739, 2-10-59, Cl. 33-199.
- Johnson, Peter W.: See—
- Longton, Ernest W., Beaudoin, and Johnson. 2,867,795.
- Johnson, Peter W. R.: See—
- Johnston, David B., Johnson, Cristy, and Trautmann. 2,909,400.
- Johnson, Peter W. R., to Johnson Products Inc. Work bench including leg and frame construction. 2,901,301, 8-25-59, Cl. 311-1.
- Johnson, Philip A., 47% to L. F. Brogan and 6% to R. L. Gausewitz. Vending machine. 2,901,964, 9-1-59, Cl. 99-352.
- Johnson, Philip A., 47% to L. F. Brogan, and 6% to R. L. Gausewitz. Escrow device for coin operated mechanisms. 2,904,151, 9-15-59, Cl. 194-9.
- Johnson, Philip C.: See—
- Coffey, David H., Johnson, and White. 2,880,192.
- Gee, Eric, Johnson, Packer, and Stephenson. 2,902,456.
- Johnson, Philip C., and N. R. Cox, to Union Carbide Corp. Process for the production of oxygenated compounds. 2,919,292, 12-29-59, Cl. 260-604.
- Johnson, Philip L.: See—
- Moore, Bobbie D., and Johnson. 2,917,907.
- Smith, Peter A., and Johnson. 2,886,054.
- Smith, Peter A., and Johnson. 2,886,061.
- Johnson, Prince A. Combined hassock and vacuum cleaner. 2,885,714, 5-12-59, Cl. 15-331.
- Johnson Products Inc.: See—
- Bergmann, Paul F. 2,882,876.
- Bergmann, Paul F., Sr. 2,908,260.
- Humphreys, John W. 2,882,878.
- Johnson, Peter W. R. 2,901,301.
- Johnson, Quinton C., to United States of America, Air Force. Releasable aircraft tank mounting. 2,867,396, 1-6-59, Cl. 244-137.
- Johnson, Quinton C., to United States of America, Air Force. Manual and automatic latch mechanism. 2,873,138, 2-10-59, Cl. 294-83.
- Johnson, Ralph E., to The Singer Mfg. Co. Loop taker with needle guard. 2,883,953, 4-28-59, Cl. 112-228.
- Johnson, Ralph E., to The Singer Mfg. Co. Ornamental stitch sewing machines. 2,900,938, 8-25-59, Cl. 112-158.
- Johnson, Ralph E., to The Singer Mfg. Co. Sewing machines with bobbin thread controlling means. 2,900,940, 8-25-59, Cl. 112-184.
- Johnson, Ralph E., to The Singer Mfg. Co. Sewing machine cradles. 2,906,576, 9-29-59, Cl. 312-30.
- Johnson, Ralph E., to The Singer Mfg. Co. Sewing machine for tubular articles. 2,918,027, 12-22-59, Cl. 112-258.
- Johnson, Ralph H., to General Motors Corp. Bearing with oil reservoir. 2,916,333, 12-8-59, Cl. 308-122.
- Johnson, Ralph L. Picture mount. 2,896,351, 7-28-59, Cl. 40-158.
- Johnson, Ralph S., to General Motors Corp. Connecting rod mounting. 2,894,414, 7-14-59, Cl. 74-580.
- Johnson, Ray, to Van Camp Sea Food Co., Inc. Fish cleaning apparatus. 2,884,658, 5-5-59, Cl. 17-7.
- Johnson, Ray, to Van Camp Sea Food Co., Inc. Method for cleaning fish. 2,911,665, 11-10-59, Cl. 17-45.
- Johnson, Raymond A., to Pittsburgh Steel Co. Reinforcement fabric for concrete structures. 2,903,880, 9-15-59, Cl. 72-116.
- Johnson, Raymond C.: See—
- Korpi, Karl J., and Johnson. 2,890,952.
- Johnson, Raymond M., Jr.: See—
- Birkhoff, Robert D., Hubbell, and Johnson. 2,875,343.
- Johnson, Reginald F.: See—
- Gilbert, Joseph A., Johnson, and Rose. 2,875,069.
- Johnson, Reynold B., and W. C. Dersch, Jr., to International Business Machines Corp. Cathode ray character tracer. 2,872,669, 2-3-59, Cl. 340-324.
- Johnson, Reynold B., O. F. Moneagle, T. D. Korany, H. A. Jurgens, and M. P. Prater, to International Business Machines Corp. Bill feeding and piercing devices. 2,889,110, 6-2-59, Cl. 235-61.1.
- Johnson, Richard A.: See—
- Knight, Geoffrey, Jr., Humez, and Johnson. 2,911,594.
- Johnson, Richard H.: See—
- Drnac, Harry F., Snyder, and Johnson. 2,900,123.
- Johnson, Richard H., to The Upjohn Co. Anti-inflammatory steroid solutions. 2,880,130, 3-31-59, Cl. 167-65.
- Johnson, Richard H., to The Upjohn Co. Anti-inflammatory steroid solutions. 2,880,138, 3-31-59, Cl. 167-65.
- Johnson, Richard H., and W. P. Schneider, to The Upjohn Co. Hydrocortisone compositions and method for extemporaneous administration. 2,871,160, 1-27-59, Cl. 167-77.
- Johnson, Robbie F.: See—
- Johnson, Franklyn H. 2,895,742.
- Johnson, Robert, to H. K. Porter Co. Inc. Junction box for underfloor conduit and duct systems for cellular floors. 2,913,136, 11-17-59, Cl. 220-3.3.

- Johnson, Robert A.: See—
- Stewart, Aubrey P., Jr., Johnson, and Wilcox. 2,886,450.
- Johnson, Robert A., Jr. Magnetized clamp for conduit. 2,890,848, 6-16-59, Cl. 245-74.
- Johnson, Robert B.: See—
- Rolland, Calvin C., and Johnson. 2,907,804.
- Johnson, Robert B., and L. H. Sutherland, to American Cyanamid Co. Inhibiting polymer precipitation in acetylene purification process. 2,907,801, 10-6-59, Cl. 260-679.
- Johnson, Robert E., to Jervis Corp. Key-operated latch mechanism. 2,871,690, 2-3-59, Cl. 70-146.
- Johnson, Robert E., E. C. Levitt, and J. F. Workman, to Whirlpool Corp. Water inlet control system. 2,881,780, 4-14-59, Cl. 137-132.
- Johnson, Robert G.: See—
- Gormley, Robert S., Johnson, and Martin. 2,878,415.
- Johnson, Robert H.: See—
- Nerad, Anthony J., and Johnson. 2,867,267.
- Johnson, Robert J.: See—
- Pearce, George W., and Johnson. 2,886,928.
- Johnson, Robert J., to Scientific Products Co. Reaction propulsion toy. 2,918,751, 12-29-59, Cl. 46-74.
- Johnson, Robert L.: See—
- Adams, Edgar M., and Johnson. 2,888,421.
- Johnson, Robert L., and E. M. Adams, to The Dow Chemical Co. Film forming aqueous colloidal dispersions containing tris (hydroxymethyl) nitromethane and method for preparing same. 2,888,422, 5-26-59, Cl. 260-29.7.
- Johnson, Robert L., and D. N. Robertson, to The Dow Chemical Co. Film forming aqueous colloidal dispersions containing aromatic nitroalkanois and method for preparing same. 2,888,317, 8-4-59, Cl. 260-29.6.
- Johnson, Robert N. Burial vault. 2,880,492, 4-7-59, Cl. 27-35.
- Johnson, Robert N. Apparatus for molding burial vault domes. 2,895,207, 7-21-59, Cl. 25-130.
- Johnson, Robert R.: See—
- Blankenbaker, John V., and Johnson. 2,888,202.
- Johnson, Robert R., to Hughes Aircraft Co. Electronic circuits for selectively shifting or inverting the time position of digital data. 2,876,437, 3-3-59, Cl. 340-174.
- Johnson, Robert R., to Hughes Aircraft Co. Electronic magnitude comparator. 2,900,620, 8-18-59, Cl. 340-149.
- Johnson, Robert R., to Hughes Aircraft Co. Algebraic magnitude comparators. 2,907,877, 10-6-59, Cl. 250-27.
- Johnson, Roland, to Dominion Textile Co., Ltd. Lock knot. 2,888,854, 6-2-59, Cl. 87-12.
- Johnson, Ross H., deceased: L. E. Johnson, executrix of said R. H. Johnson; to L. E. Johnson. Ladder supported container holder. 2,895,700, 7-21-59, Cl. 248-210.
- Johnson, Roy E., and A. H. Justice. Ratchet control assembly. 2,870,637, 1-27-59, Cl. 74-128.
- Johnson, Roy R., to Pressed Steel Tank Co. Double bottom compressed gas cylinder and method of making same. 2,872,068, 2-3-59, Cl. 220-69.
- Johnson, Roy W., R. J. Duncan, K. G. Braid, and W. P. Healy, to Controls Co. of America. Igniter and igniter assembly for pot burners. 2,902,578, 9-1-59, Cl. 219-32.
- Johnson, S. C., and Son, Inc.: See—
- Anderson, John J., Harris, and Harrison. 2,887,273.
- Breiner, Alfred W. 2,890,181.
- Breiner, Alfred W. 2,890,198.
- Chapman, Francis E. 2,873,202.
- Greenlee, Sylvan O. 2,873,200.
- Greenlee, Sylvan O. 2,890,189.
- Greenlee, Sylvan O. 2,890,203.
- Greenlee, Sylvan O. 2,893,965.
- Greenlee, Sylvan O. 2,893,966.
- Greenlee, Sylvan O. 2,893,968.
- Greenlee, Sylvan O. 2,893,974.
- Greenlee, Sylvan O. 2,907,718.
- Greenlee, Sylvan O. 2,907,719.
- Greenlee, Sylvan O. 2,907,723-41.
- Greenlee, Sylvan O. 2,907,743-7.
- Greenlee, Sylvan O. 2,907,750.
- Greenlee, Sylvan O. 2,907,778.
- Greenlee, Sylvan O. 2,907,779.
- Greenlee, Sylvan O. 2,908,005.
- Greenlee, Sylvan O. 2,908,006.
- Greenlee, Sylvan O. 2,909,505.
- Mulvanna, Elmer. 2,896,810.
- Sesso, Louis M. 2,868,657.
- Wilder, Edward A. 2,893,964.
- Johnson, Samuel J., and C. J. Schroeder, deceased (by S. Schroeder, administratrix). Folding door. 2,891,612, 6-23-59, Cl. 160-84.
- Johnson Service Co.: See—
- Fleckenstein, Joseph E. 2,882,042.
- Johnson, Sidney P. Creep measuring device. 2,901,833, 9-1-59, Cl. 33-199.
- Johnson, Stanley A., ¼ to C. Parten, and ¼ to G. Parten. Die for use in bending flat metal stock and the like. 2,882,952, 4-21-59, Cl. 153-21.
- Johnson, Stanley A., ¼ to C. Parten, and ¼ to G. Parten. Die for use in bending flat metal stock and the like. 2,916,073, 12-8-59, Cl. 153-21.
- Johnson, Stanley G., to The Johnson Gage Development Co. Gage for rotating test part for peripheral and concentricity gaging. 2,878,577, 3-24-59, Cl. 33-199.
- Johnson Steel & Wire Co., Inc.: See—
- Swallow, Basil H., and Sjoberg. 2,916,225.
- Johnson, Stephen I.: See—
- Phillips, Harold P., and Johnson. 2,880,788.
- Johnson, Tegner A., to United States Steel Corp. Method of agglomerating fine ore. 2,884,320, 4-28-59, Cl. 75-3.
- Johnson, Theodore C. W. Core drilling. 2,893,691, 7-7-59, Cl. 255-1.4.
- Johnson, Theodore T.: See—
- Robinson, David, Mitchell, Johnson, and Samsel. 2,912,678.
- Johnson, Thomas A., to U. S. Rubber Reclaiming Co., Inc. Process of forming flooring surfaces with asphalt coated rubber pellets. 2,871,774, 2-3-59, Cl. 94-23.
- Johnson, Thomas H.: See—
- Spiller, William R., and Johnson. 2,897,754.
- Johnson, Thomas H., to Harris-Intertype Corp. Dampening means for printing plates. 2,878,502, 3-24-59, Cl. 15-183.
- Johnson, Thomas H., A. J. Mueller, and C. B. Crittenden, to Harris-Intertype Corp. Printing plate mounting means. 2,885,958, 5-12-59, Cl. 101-415.1.
- Johnson, Thomas H., to Harris-Intertype Corp. Printing press. 2,911,908, 11-10-59, Cl. 101-181.
- Johnson, Thomas H., E. M. Kane, and J. Q. Tabor, Jr., to United States of America, Navy. Flare device. 2,868,129, 1-13-59, Cl. 102-87.
- Johnson, Thomas H., and A. J. Mueller, to The Cottrell Co. Dampening device for lithographic presses. 2,915,007, 12-1-59, Cl. 101-148.
- Johnson, Thomas J.: See—
- Van Alstyne, Alvin G., and Johnson. 2,889,636.
- Johnson, Thomas J., to Gilfillan Bros., Inc. Means for electronic multiplication. 2,880,935, 4-7-59, Cl. 235-194.
- Johnson, Thomas J., to Gilfillan Bros., Inc. Artificial aircraft simulator for radar systems. 2,889,635, 6-9-59, Cl. 35-10.4.
- Johnson, Thomas W., and R. H. Wolff, to Bendix Aviation Corp. Air control valve. 2,878,827, 3-24-59, Cl. 137-219.
- Johnson, Tiny L. Lubricating system for fly frames. 2,896,394, 7-28-59, Cl. 57-67.
- Johnson, Virgil L.: See—
- Schriever, Arnold A., and Johnson. 2,868,169.
- Johnson, Waldo O.: See—
- Esckridge, Harold E., and Johnson. 2,866,997.
- Johnson, Wallace J. S. Automatic rotational sprayer. 2,904,261, 9-15-59, Cl. 239-230.
- Johnson, Wallace R.: See—
- Isaacs, George K., and Johnson. 2,908,353.
- Johnson, Walter, Jr. Alarm system. 2,916,730, 12-8-59, Cl. 340-227.
- Johnson, Walter F. Direct reading hand micrometer. 2,875,571, 3-24-59, Cl. 33-166.
- Johnson, Walter G.: See—
- Meloy, Arthur S., Jr., Sweet, and Johnson. 2,883,952.
- Johnson, Walter G., to The Singer Mfg. Co. Throat plates for sewing machines. 2,911,931, 11-10-59, Cl. 112-260.
- Johnson, Walter J.: See—
- Gravelle, Theodore E., and Johnson. 2,887,320.
- Johnson, Walter L. Material unloading and elevating attachment for trucks. 2,879,910, 3-31-59, Cl. 214-508.
- Johnson, Walter M. Toilet seat raising device. 2,877,469, 3-17-59, Cl. 4-241.
- Johnson, Walter T. Can filler and conveyor. 2,879,812, 3-31-59, Cl. 141-172.
- Johnson, Warren C., and E. F. Smart, to Westinghouse Electric Corp. Electron discharge device. 2,915,667, 12-1-59, Cl. 313-265.
- Johnson, Wayne, to Minnesota Mining & Mfg. Co. Television recording and reproducing system. 2,867,685, 1-6-59, Cl. 178-6.6.
- Johnson, Wayne R., to Minnesota Mining & Mfg. Co. Method of multiple track recording. 2,892,886, 6-30-59, Cl. 178-6.6.
- Johnson, Wayne R., to Minnesota Mining & Mfg. Co. Amplifier for television signals. 2,909,597, 10-20-59, Cl. 178-6.6.
- Johnson, Wayne R., to Minnesota Mining & Mfg. Co. Method of magnetically recording and reproducing television signals. 2,913,520, 11-17-59, Cl. 178-6.6.
- Johnson, Wayne R., to Minnesota Mining & Mfg. Co. Low noise preamplifier. 2,919,313, 12-29-59, Cl. 179-100.2.
- Johnson, Wendell J. Rock windrower. 2,906,351, 9-29-59, Cl. 171-63.
- Johnson, Wesley T., Jr.: See—
- Godfrey, Charles E., and Johnson. 2,910,010.
- Johnson, Willard L.: See—
- Umbricht, Emil, Steenhagen, and Johnson. 2,873,816.
- Umbricht, Emil, Steenhagen, and Johnson. 2,915,252.
- Johnson, Willard L., to Ajem Laboratories, Inc. Metal processing apparatus. 2,900,992, 8-25-59, Cl. 134-122.
- Johnson, William C., Jr. Automatic switch assembly for stock tank. 2,905,783, 9-22-59, Cl. 200-84.
- Johnson, William F., and J. C. Davy, to Powers-Samas Accounting Machines Ltd. Anchoring apparatus for flexible cables. 2,884,271, 4-28-59, Cl. 287-75.
- Johnson, William E. P., to Power Jets (Research & Development) Ltd. Jet-diverting equipment. 2,871,656, 2-3-59, Cl. 60-35.54.
- Johnson, William H., ¼ to W. T. Sevald. Colostomy device. 2,874,697, 2-24-59, Cl. 128-283.
- Johnson, William K., to Monsanto Chemical Co. Preparation of aluminum alkyls. 2,900,402, 8-18-59, Cl. 260-448.



- Johnson, William K., and J. C. Wygant, to Monsanto Chemical Co. Terephthalic acid process. 2,904,587, 9-15-59, Cl. 260-515.
- Johnson, William L., to Abrasive Co. of America. Magnetic application of paramagnetic spray paint. 2,895,851, 7-21-59, Cl. 117-93.
- Johnson, William R. Foot operated marine paddle wheel system. 2,910,035, 10-27-59, Cl. 115-26.
- Johnson, William S. Textile dyeing apparatus. 2,868,005, 1-13-59, Cl. 68-184.
- Johnson, William S., to Wisconsin Alumni Research Foundation. Steroid intermediates and synthesis thereof. 2,891,995, 6-23-59, Cl. 260-586.
- Johnson-Williams, Inc.: See—
- Johnson, Kenneth W. 2,883,270.
- Johnson, Winford B., to E. I. du Pont de Nemours and Co. Oxidation of alkyl benzenes in the presence of alkanols. 2,879,239, 3-24-59, Cl. 260-475.
- Johnson's Co. Ltd.: See—
- Pharo, Merritt C. 2,874,838.
- Johnsen, Friedrich K. Light-transmissive wall structure. 2,909,916, 10-27-59, Cl. 72-42.
- Johnstad, Dagfin, to Onsrud Cutter Mfg. Co. Honeycomb cutter. 2,894,583, 7-14-59, Cl. 164-70.
- Johnston, Alan H., and F. W. Southam, to Aluminum Laboratories Ltd. Recovery of aluminum in subhalide distillation. 2,914,398, 11-24-59, Cl. 75-68.
- Johnston, Arthur D.: See—
- Osborne, Wesley M., Edge, and Johnston. 2,889,199.
- Johnston, Charles R., to Transportation Specialties Co. Freight positioning and retaining apparatuses. 2,896,554, 7-25-59, Cl. 105-369.
- Johnston, Christian W., and R. A. Meara, to National Distillers and Chemical Corp. Polyesters of a mixture of dicarboxylic acids having ten carbon atoms and process of making same. 2,902,463, 9-1-59, Cl. 260-45.4.
- Johnston, Clarence A. Ceiling mounting for speaker. 2,913,067, 11-17-59, Cl. 181-31.
- Johnston, Colin D. M.: See—
- Belsey, Frederick H., and Johnston. 2,885,624.
- Johnston, David B., P. W. R. Johnson, N. G. Cristy, and J. H. Trautmann, to Products for Industry. Telescoping support frame. 2,909,400, 10-20-59, Cl. 311-35.
- Johnston, Denis L., to Fortiphone Ltd. Miniature transformers and chokes. 2,916,713, 12-8-59, Cl. 336-96.
- Johnston, Donald L., E. M. Derr, and W. A. Wooldridge, to General Electric Co. High voltage bushing. 2,912,480, 11-10-59, Cl. 174-31.
- Johnston, Douglas: See—
- Blue, John, Johnston, and Tangeman. 2,913,992.
- Foster, Herbert V., and Johnston. 2,868,232.
- Johnston, Fred L., to General Steel Castings Corp. Cutting torch moving and guiding mechanism. 2,879,055, 3-24-59, Cl. 266-23.
- Johnston, Gorman J., to Allis-Chalmers Mfg. Co. Glass spacing sticks for dry type transformer. 2,904,760, 9-15-59, Cl. 336-80.
- Johnston, Herrick L., Inc.: See—
- Newton, Charles L., and White. 2,895,724.
- Johnston, Howard, to The Dow Chemical Co. Bis(3-halo-2-chloropropenyl) sulfide. 2,908,717, 10-13-59, Cl. 260-609.
- Johnston, Howard, to The Dow Chemical Co. Bis(haloalkenyl) sulfides. 2,910,509, 10-27-59, Cl. 260-609.
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- Johnston, J. Ford, to Lockheed Aircraft Corp. Vane stabilizing wing tip pod for aircraft. 2,869,808, 1-20-59, Cl. 244-135.
- Johnston, James D., to Ethyl Corp. Preparation of bromo acids and esters. 2,876,255, 3-3-59, Cl. 260-487.
- Johnston, James D., to Ethyl Corp. Production of omega bromo compounds. 2,880,220, 3-31-59, Cl. 260-408.
- Johnston, James L., to Johnston Testers Inc. Slip actuating device. 2,906,346, 9-29-59, Cl. 166-214.
- Johnston, James M.: See—
- Lightbody, Alexander, and Johnston. 2,898,856.
- Johnston & Jennings Co., The: See—
- Heldeman, Irvin L. 2,879,786.
- Johnston, John R. Combined saw guide and dividers. 2,881,525, 4-14-59, Cl. 33-75.
- Johnston, Joseph E., Jr.: See—
- Bennings, Noah, Johnston, Lynch, Markwood, and Parks. 2,908,944.
- Johnston, Kenneth L., and G. F. L. Bishop, to Phillips Petroleum Co. Method and apparatus for feeding fluid reactants to a moving bed of solid contact particles. 2,893,950, 7-7-59, Cl. 208-166.
- Johnston, Lawrence B. Music holder. 2,915,849, 12-8-59, Cl. 45-121.
- Johnston, Leslie H. Modified V-bottom boat. 2,915,031, 12-1-59, Cl. 114-56.
- Johnston, Lowell B.: See—
- Walker, Frederick W., Cady, and Johnston. 2,881,110.
- Johnston, Millard A., to J. G. Lenco. Illuminated automobile door lock. 2,904,671, 9-15-59, Cl. 240-213.
- Johnston, Mordica O., and R. H. Stanier, to Johnston Testers, Inc. Doughnut-type packer. 2,874,782, 2-24-59, Cl. 166-204.
- Johnston, P. Gordon, to The Chase-Shawmut Co. Fusible protective devices. 2,915,609, 12-1-59, Cl. 200-135.
- Johnston, Percy W. R. H. Rubber sole attaching means for shoes having a flexible attaching flange. 2,918,735, 12-29-59, Cl. 36-14.
- Johnston, Raymond R.: See—
- Witzky, Julius E., and Johnston. 2,914,295.
- Johnston, Reece W., and H. H. Chandler. Dental vacuum apparatus. 2,895,220, 7-21-59, Cl. 32-33.
- Johnston, Robert C. Camera support. 2,916,243, 12-8-59, Cl. 248-226.
- Johnston, Robert G. Alarm switch. 2,897,307, 7-28-59, Cl. 200-613.
- Johnston, Robert G., and K. E. V. Spencer, to T. & H. Smith, Ltd. Quaternary halides of certain tropene alkaloids. 2,903,394, 9-8-59, Cl. 167-58.
- Johnston, Robert W. B., to Shell Development Co. Production of lubricating oil components of high viscosity index. 2,895,903, 7-21-59, Cl. 208-96.
- Johnston, Rufus B., to Wilson Supply Co. Hydraulic pumping system. 2,914,036, 11-24-59, Cl. 121-150.
- Johnston, Rufus B., to Wilson Supply Co. Hydraulic pumping system. 2,914,037, 11-24-59, Cl. 121-150.
- Johnston, Spencer G.: See—
- Farrand, William A., Johnston, Kilpatrick, and Leks. 2,899,260.
- Johnston Testers, Inc.: See—
- Bagnell, Edgar W. 2,877,027.
- Garrison, Marlon A. 2,869,363.
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- Johnston, James L. 2,906,346.
- Johnston, Mordica O., and Stanier. 2,874,782.
- Long, Thomas L. 2,876,701.
- Long, Thomas L. 2,878,876.
- Nutter, Benjamin P. 2,901,001.
- Scott, Elmer T. 2,917,270.
- Wilson, Homer T. 2,881,842.
- Johnston, Walker F., Jr., to The American Oil Co. Preconditioning of hydroforming catalysts. 2,868,718, 1-13-59, Cl. 208-138.
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- Johnston, William D. High pressure mixing device. 2,892,620, 6-30-59, Cl. 259-113.
- Johnston, William H., to Standard Brands Inc. Active dry yeast products and processes for producing the same. 2,919,194, 12-29-59, Cl. 99-96.
- Johnston, Willis T., to E. Dew. Thermostatically controlled cooling systems for internal combustion engines. 2,877,751, 2-17-59, Cl. 123-41.12.
- Johnston, Willis T., to E. Dew. Headlight beam selector switch. 2,918,604, 12-22-59, Cl. 315-82.
- Johnstone, Alexander P., to Power Jets (Research and Development) Ltd. Jet spoiler for jet propulsion plant. 2,876,819, 3-10-59, Cl. 60-35.54.
- Johnstone, Charles W., to United States of America, Atomic Energy Commission. Rise time delay discriminator. 2,906,872, 9-29-59, Cl. 250-27.
- Johnstone, Theodore H. Cylinder lock. 2,879,658, 3-31-59, Cl. 70-364.
- Johnstone, Theodore H., to The Bingham Herbrand Corp. Delayed action brake release. 2,899,838, 8-18-59, Cl. 74-540.
- Joiner, Edgar E., to Fred W. Mears Heel Co., Inc. Machines for driving reinforcing rings into the top lift receiving faces of wood heels. 2,907,037, 10-6-59, Cl. 1-1.
- Joiner, Edgar E., and J. P. Szumski, to Fred W. Mears Heel Co., Inc. Heel attaching with resin mixtures. 2,901,841, 9-1-59, Cl. 36-24.5.
- Joiner, Edgar E., Jr., to Fred W. Mears Heel Co., Inc. Wood heel block dowsing machine. 2,891,587, 6-23-59, Cl. 144-205.
- Joiner, Richard V. Food package and method of packaging. 2,918,378, 12-22-59, Cl. 99-171.
- Joiner, Robert R.: See—
- Marks, Henry C., Joiner, and Parker. 2,903,361.
- Jokl, Alois L.: See—
- Scanlon, Earl J., and Jokl. 2,885,580.
- Jollissaint, Richard C. Apparatus for aligning button holes in French-type shirt sleeve cuffs. 2,912,147, 11-10-59, Cl. 223-1.
- Jolliffe, Leslie S.: See—
- Calliri, Vincent J., and Jolliffe. 2,917,614.
- Jolliffe, Sidney A. W., D. W. G. Ryatt, D. W. Watson, J. F. Hatch, and G. A. French, to Marconi's Wireless Telegraph Co. Ltd. Radio direction finders. 2,917,741, 12-15-59, Cl. 34-113.
- Jolly, Clarence L.: See—
- Jackson, Howard B., and Jolly. 2,911,782.
- Jolly, Eugene R. Cement composition. 2,892,728, 6-30-59, Cl. 106-97.
- Jolly, George M., to Deering Milliken Research Corp. Cloth demonstration device. 2,900,512, 8-18-59, Cl. 250-52.
- Jolly, Samuel E., to Sun Oil Co. Compositions comprising polymerization products of vinyl aromatic compounds and naphthenic acid esters of polymeric polyhydric alcohols. 2,868,761, 1-13-59, Cl. 260-45.5.
- Jolly, Samuel E., to Sun Oil Co. Mixed esters of polyhydric alcohols with naphthenic and lower fatty acids. 2,891,089, 6-16-59, Cl. 260-468.

- Jolly, Samuel E., to Sun Oil Co. Naphthenic acid derivatives and their preparation. 2,911,433, 11-3-59, Cl. 260-468.
- Jolly, Stuart T., to Radio Corp. of America. Magnetic record transducer. 2,872,530, 2-3-59, Cl. 179-100.2.
- Joly, Robert: See—
- Muller, Georges, Joly, and Bardoneschl. 2,888,472.
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- Jonach, Fredrick L.: See—
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- Jonas, Frank E.: See—
- Wirth, Pierre. 2,906,666.
- Jonassen, Severin L., to Pullico Corp. Tuning devices and the like. 2,910,574, 11-3-59, Cl. 74-10.
- Jones, Alan R. Apparatus and methods useful in the preparation of precise dilutions of liquids. 2,867,355, 1-6-59, Cl. 222-136.
- Jones, Allen H., to The W. W. Sly Mfg. Co. Dust bag for dust filter. 2,906,371, 9-29-59, Cl. 183-61.
- Jones, Alonzo L., and W. H. De Hay. Magnetically operated non-scaling valve. 2,885,037, 5-26-59, Cl. 137-528.
- Jones, Alvin J.: See—
- Balsiger, Harold E., and Jones. 2,867,058.
- Jones, Amoul A.: See—
- Jones, Edward B., and A. A. 2,894,312.
- Jones, Arthur L., to The Standard Oil Co. Thermal diffusion method and apparatus. 2,892,544, 6-30-59, Cl. 210-72.
- Jones, Arthur L., and E. E. Cuckson, to Cuckson Textiles Proprietary Ltd. Shuttleless looms. 2,891,583, 6-23-59, Cl. 139-124.
- Jones, Augustus, and F. J. Haskins, to General Dynamics Corp. Etching process. 2,886,420, 5-12-59, Cl. 41-42.
- Jones, Axel R.: See—
- Fassnacht, Arthur F., and Jones. 2,877,758.
- Jones, Barton. Motion transmitting mechanism for air transmitter. 2,912,993, 11-17-59, Cl. 137-85.
- Jones, Benjamin C.: See—
- Kirkpatrick, William D., and Newman. 2,881,954.
- Jones, Benjamin W.: See—
- Neuwirth, Martin B., and D. C. and B. W. Jones. 2,881,221.
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- Jones, Bruce C.: See—
- Hutchins, Hugh A., and Jones. 2,877,899.
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- Jones, Bryan, to L. E. Bergstrom. Combination chisel structure for mortising woodwork. 2,871,898, 2-3-59, Cl. 145-24.
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- Jones, Cecil T., to Container Corp. of America. Foldable interlocked boxes. 2,914,235, 11-24-59, Cl. 229-34.
- Jones, Charles E., and W. G. Crowle. Extensible ice skate. 2,904,342, 9-15-59, Cl. 280-11.16.
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- Jones, Charles H., to Westinghouse Electric Corp. High definition television system. 2,892,015, 6-23-59, Cl. 178-5.2.
- Jones, Charles H., to Westinghouse Electric Corp. Detector for NTSC color receiver. 2,897,261, 7-28-59, Cl. 178-5.4.
- Jones, Charles H., and J. H. Thompson, to United States of America, Navy. Electronic current regulator. 2,870,396, 1-20-59, Cl. 323-4.
- Jones, Charles H., Jr.: See—
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- Jones, Clarence L., and R. A. Morris, to Mine Safety Appliances Co. Combustible gas detector. 2,879,142, 3-24-59, Cl. 23-255.
- Jones, Clarence S., and G. Currie. Signalling system. 2,910,579, 10-27-59, Cl. 250-2.
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- Murphy, Edwin W. 2,881,910.
- Jones, Claude E., Jr., to International Telephone and Telegraph Corp. Data processing system. 2,916,727, 12-8-59, Cl. 340-174.
- Jones, Cliff. Tilt flow bottle holder. 2,909,846, 10-20-59, Cl. 248-106.
- Jones, Dan H., and L. M. Stone, to The National Cash Register Co. Head positioning device. 2,900,625, 8-18-59, Cl. 340-174.
- Jones, Daniel C.: See—
- Kurek, Thaddeus M., Popp, and Jones. 2,872,890.
- Jones, David D.: See—
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- Jones, David J., and B. S. Gossling, to The General Electric Co. Ltd. Methods of producing refractory metal filaments of flattened zig-zag form. 2,881,104, 4-7-59, Cl. 148-4.
- Jones, Derrick A., to Fairchild Camera and Instrument Corp. Incremental linear actuator. 2,911,766, 11-10-59, Cl. 51-165.
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- Jones, Donald K.: See—
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- Jones, Donald T.: See—
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- Jones, Dougan L., to The Marley Co. Method of producing fused tubing. 2,872,730, 2-10-59, Cl. 29-496.
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- Jones, Dramin D. Acoustic earset for conference application. 2,892,889, 6-30-59, Cl. 179-1.
- Jones, Dwight V., to General Electric Co. Frequency response determining apparatus. 2,887,658, 5-19-59, Cl. 324-158.
- Jones, E. D. Corp.: See—
- Durant, Leonard G., Irvine, Pennington, and Suring. 2,910,398.
- Jones, Earle D.: See—
- Kabell, Louis J., and Jones. 2,907,899.
- Jones, Edgar L. Nut harvester. 2,901,879, 9-1-59, Cl. 56-328.
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- Jones, Edward B., and A. A. Concrete forms. 2,894,312, 7-14-59, Cl. 25-131.5.
- Jones, Edward M., to The Baldwin Piano Co. Rotary air bearing. 2,868,593, 1-13-59, Cl. 308-9.
- Jones, Edward M., to The Baldwin Piano Co. Data conversion system. 2,910,684, 10-27-59, Cl. 340-347.
- Jones, Edward M., and C. F. Winder, to The Baldwin Piano Co. Transistor oscillators. 2,902,655, 9-1-59, Cl. 331-112.
- Jones, Edward N. Wire line releasable slip-type fishing tool. 2,908,525, 10-13-59, Cl. 294-102.
- Jones, Edwin G. Post driver. 2,901,215, 8-25-59, Cl. 254-29.
- Jones, Edwin K., to Universal Oil Products Co. Apparatus useful for liquid-liquid contacting. 2,900,238, 8-18-59, Cl. 23-270.5.
- Jones, Elizabeth: See—
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- Robell, John, Steinberg, and Jones. 2,878,103.
- Jones, Eric H., to The British Cotton Industry Research Association. Apparatus for the automatic regulation of the continuous application of specified amounts of solids or liquids to a moving sheet of material. 2,887,087, 5-19-59, Cl. 118-7.
- Jones, Ernest A., to Thompson Products, Inc. Wave-guide system. 2,881,398, 4-7-59, Cl. 333-21.
- Jones, Ernest O. Invalid's commode. 2,913,732, 11-24-59, Cl. 4-134.
- Jones, Evan, to Henry Valve Co., Inc. Thermostatic control valve. 2,872,154, 2-3-59, Cl. 251-133.
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- Jones, Everett E., to Fairchild Engine and Airplane Corp. Articulated die. 2,868,264, 1-13-59, Cl. 153-51.
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- Jones, Forest E. Paper cup handle. 2,868,434, 1-13-59, Cl. 229-52.
- Jones, Forrest F.: See—
- Schilling, John B., and Jones. 2,892,281.
- Jones, Forrest and E. Blackboard bench. 2,883,769, 4-28-59, Cl. 35-60.
- Jones, Frank D., to Deere & Co. Corn picker gathering chains. 2,882,669, 4-21-59, Cl. 56-111.
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- Jones, Frank K., and N. H. Holt. Tobacco stringer. 2,904,194, 9-15-59, Cl. 214-5.5.
- Jones, Frank O., Jr., to Pan American Petroleum Corp. Non-clay-reactive drilling fluid. 2,873,251, 2-10-59, Cl. 252-8.5.
- Jones, Giffin D.: See—
- Nummy, William R., and Jones. 2,873,239.



- Jones, Giffin D., to The Dow Chemical Co. Copolymers of acrylamide and vinyl aromatic sulfonates. 2,909,508, 10-20-59, Cl. 260-79.3.
- Jones, George L. Erecting means for gyro-verticals. 2,916,918, 12-15-59, Cl. 74-5.42.
- Jones, George R., J. C. Cacheris, and C. A. Morrison, to United States of America, Army. Magnetically tuned klystron. 2,897,455, 7-28-59, Cl. 332-7.
- Jones, George T., to General Motors Corp. Brake equalizing system. 2,912,072, 11-10-59, Cl. 188-204.
- Jones, George W. Dog muzzle. 2,891,504, 6-23-59, Cl. 119-130.
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- Jones, Gordon F., to The Firestone Tire & Rubber Co. Foam rubber cushion. 2,874,758, 2-24-59, Cl. 155-178.
- Jones, Harold D. Sealing devices for use with rotary or oscillatory shafts. 2,877,994, 3-17-59, Cl. 259-99.
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- Uhl, William H., and Jones. 2,888,873.
- Jones, Harry W., to Dempster Brothers, Inc. Container. 2,878,051, 3-17-59, Cl. 294-73.
- Jones, Harry W., and J. M. Radcliff, to Dempster Brothers, Inc. Building block loading and unloading equipment. 2,883,075, 4-21-59, Cl. 214-75.
- Jones, Henry E., to Chrysler Corp. Window regulator. 2,901,244, 8-25-59, Cl. 268-124.
- Jones, Herbert O., and A. A. Burgess, Jr., to United States of America, Navy. Sealed rotary control. 2,911,816, 11-10-59, Cl. 70-386.
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- Jones, Herbert S., G. M. Frisendaux, J. E. Petersen, and F. H. Shufflin. Mold for forming concrete frames. 2,908,063, 10-13-59, Cl. 25-118.
- Jones, Howard G.: See—
- Petri, Jan E., and Jones. 2,882,793.
- Jones, Howard S., Jr.: See—
- Heinard, Whilden G., and Jones. 2,898,559.
- Jones, Ira David, Jr. Device for pointing pencil leads. 2,895,453, 7-21-59, Cl. 120-92.
- Jones, Ira M.: See—
- Horsting, William F., Sr. 2,915,089.
- Jones, Jack, Sr. Attachment type rack for sewing machines. 2,899,763, 8-18-59, Cl. 40-125.
- Jones, James B., and K. H. Yocom, to Aeroprojects, Inc. Homogenizing method and apparatus. 2,917,386, 12-15-59, Cl. 99-63.
- Jones, James B., and W. C. Potthoff, to Aeroprojects, Inc. Method for applying metallic coatings. 2,895,845, 7-21-59, Cl. 117-8.
- Jones, James F., to A. O. Smith Corp. Closure sealing mechanism. 2,908,948, 10-20-59, Cl. 20-16.
- Jones, James M., to The Texas Co. Pressure measuring apparatus. 2,887,881, 5-26-59, Cl. 73-389.
- Jones, Jean E.: See—
- Carroll, Burt H., and Jones. 2,875,058.
- Jones, Jean E., and J. Spence, to Eastman Kodak Co. Green sensitization for photographic emulsions containing coupler dispersions. 2,912,329, 11-10-59, Cl. 96-100.
- Jones, Jean P., to Phillips Petroleum Co. Hydroperoxides of tertiary alkyl cyclohexenes. 2,899,469, 8-11-59, Cl. 260-610.
- Jones, Jennings H.: See—
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- Jones, Jennings H., and M. R. Fenske, to Esso Research and Engineering Co. Production of unsaturated cycloaliphatic compounds. 2,916,528, 12-8-59, Cl. 260-666.
- Jones, John C. Broom construction. 2,893,034, 7-7-59, Cl. 15-146.
- Jones, John D.: See—
- En Dean, Howard J., Jones, and Topanellan. 2,884,624.
- Jones, John F.: See—
- Craig, David, Jones, and Semegen. 2,905,649.
- Jones, John F., to The B. F. Goodrich Co. Stabilized hydrophilic polymers. 2,894,921, 7-14-59, Cl. 260-17.4.
- Jones, John L., Jr., and L. D. Anderson. Feedback amplifier for extending the useful frequency range of an accelerometer. 2,904,681, 9-15-59, Cl. 250-27.
- Jones, John P., to Burroughs Corp. Regenerative shift register. 2,876,438, 3-3-59, Cl. 340-174.
- Jones, John P., to Burroughs Corp. Noise immune read-out circuit. 2,912,680, 11-10-59, Cl. 340-174.
- Jones, John P., and A. J. Meyerhoff, to Burroughs Corp. One core per bit shift register. 2,911,626, 11-3-59, Cl. 340-174.
- Jones, John P., Jr., to Navigation Computer Corp. Regulated power supply. 2,878,440, 3-17-59, Cl. 323-22.
- Jones, John P., Jr., to Navigation Computer Corp. Semiconductor signal translating circuits. 2,897,378, 7-28-59, Cl. 307-88.5.
- Jones, John P., Jr., to Navigation Computer Corp. Shift register incorporating delay circuit. 2,906,892, 9-29-59, Cl. 307-88.5.
- Jones, John S.: See—
- Davies, David O., and Jones. 2,910,268.
- Jones, John W., and J. B. Dear. Separator plate. 2,904,325, 9-15-59, Cl. 263-47.
- Jones, Joseph W. Electric controller including a volume controlling resistance. 2,871,327, 1-27-59, Cl. 201-62.
- Jones, Kemper K. Extension operator for light switch. 2,919,334, 12-29-59, Cl. 200-172.
- Jones, Kenneth M., J. R. Marcus, and L. R. McClary, to Western Electric Co., Inc. Assembly fixture. 2,903,041, 9-8-59, Cl. 154-1.6.
- Jones, Kenneth N.: See—
- McConnell, George, and Jones. 2,889,376.
- Jones and Lamson Machine Co.: See—
- Goodrum, Richard B. 2,883,201.
- Jones & Laughlin Steel Corp.: See—
- Imhoff, Bernard H., and McCahan. 2,889,166.
- Jacquart, Herman. 2,890,906.
- Kerecman, Michael, and Braund. 2,909,272.
- Lindstrom, John A. 2,902,766.
- Shakely, Howard H. 2,907,083.
- Smith, Robert H. 2,909,474.
- Treder, Richard W., and Batz. 2,898,251.
- Van Ormer, Lawson. 2,897,698.
- Webster, Richard R. 2,919,346.
- Jones, Leo D., to The Sharples Corp. Processing of soap. 2,902,502, 9-1-59, Cl. 260-418.
- Jones, Lloyd A. Safety sand swabs. 2,918,880, 12-29-59, Cl. 103-225.
- Jones, Lloyd E., to Industrial Brush Co., Inc. Brush holder. 2,897,527, 8-4-59, Cl. 15-183.
- Jones, Lloyd E., to Industrial Brush Co., Inc. Brush means. 2,907,063, 10-6-59, Cl. 15-182.
- Jones, Lloyd R.: See—
- Taylor, Douglas E., Jones, and Mitchell. 2,870,264.
- Jones, Lloyd R., R. E. Freund, J. M. Raynor, and D. E. Taylor, to Dictaphone Corp. Remote dictation system. 2,882,346, 4-14-59, Cl. 179-100.1.
- Jones, Lloyd W.: See—
- Barrett, Jack P., and Jones. 2,889,276.
- Jones, Lucien N., J. G. Kelly, and O. T. Merwin, to The American Tobacco Co. Tobacco cooler. 2,882,910, 4-21-59, Cl. 131-135.
- Jones, Luther A.: See—
- Ham, Ralph A., and Jones. 2,875,533.
- Jones, Mack M.: See—
- Kolthoff, C. Paul, Jr., and Jones. 2,909,363.
- Jones, Marvin L., to Cabot Shops, Inc. Hydraulically operated pumping apparatus. 2,887,093, 5-19-59, Cl. 121-150.
- Jones, Paul E., and D. E. Perry, to Continental Can Co., Inc. Strand packaging method and means. 2,867,319, 1-6-59, Cl. 206-59.
- Jones, Paul R., to Collins Radio Co. Stabilized load. 2,901,208, 8-25-59, Cl. 248-346.
- Jones, Percy (Twinlock) Ltd.: See—
- Sewell, Frederick R. 2,877,773.
- Sewell, Frederick R. 2,896,247.
- Sewell, Frederick R. 2,910,069.
- Jones, Preston A., to Prescolite Mfg. Corp. Lighting fixture having resiliently mounted diffuser globe. 2,897,350, 7-28-59, Cl. 240-128.
- Jones, R. A., and Co., Inc.: See—
- Jones, Wickliffe. 2,878,919.
- Jones, Wickliffe. 2,903,833.
- Jones, Ralph E. Tie rack. 2,877,904, 3-17-59, Cl. 211-100.
- Jones, Ralph E. Slide fastener. 2,905,996, 9-29-59, Cl. 24-205.15.
- Jones, Rexford W., to Fort Wayne Corrugated Paper Co. Printing of corrugated board. 2,893,320, 7-7-59, Cl. 101-426.
- Jones, Richard E., to Pittsburgh Plate Glass Co. Refractory articles and compositions therefor. 2,880,098, 3-31-59, Cl. 106-68.
- Jones, Robert C.: See—
- Hewett, William A., Jones, and Lorenson. 2,895,915.
- Moore, Robert J., Ryder, and Jones. 2,913,412.
- Jones, Robert E., to Western Carbide Corp. Electric arc welding method. 2,896,063, 7-21-59, Cl. 219-73.
- Jones, Robert G. Automatic amalgamator. 2,879,042, 3-24-59, Cl. 259-2.
- Jones, Robert J.: See—
- Kircher, Charles E., Jr., and Jones. 2,912,470.
- Kircher, Charles E., Jr., Jones, and Kriz. 2,880,076.
- Jones, Robert T., to John T. Riddell Inc. Chin strap for helmet. 2,867,811, 1-13-59, Cl. 2-3.
- Jones, Rufus V., to Phillips Petroleum Co. Method for producing finely divided solid 1-olefin polymer. 2,870,113, 1-20-59, Cl. 260-34.2.
- Jones, Rufus V., to Phillips Petroleum Co. Hydraulic cements. 2,896,715, 7-28-59, Cl. 166-31.
- Jones, Russell J. Bite tray. 2,895,219, 7-21-59, Cl. 32-19.
- Jones, Sam A.: See—
- Rogan, Thomas J., Jones, and Wasp. 2,880,745.
- Jones, Sam A., to Consolidation Coal Co. Method and apparatus for separating materials of different specific gravity. 2,877,896, 3-17-59, Cl. 209-172.5.
- Jones, Sam P., to J & S Carburetor Co. Pressure regulator. 2,879,793, 3-31-59, Cl. 137-494.
- Jones, Sam P. Regulator-vaporizer for a liquefied gas carburetion system. 2,896,658, 7-28-59, Cl. 137-340.
- Jones, Sam P., and R. F. Foster, said Jones assor. to J & S Carburetor Co. Automatic cutoff valve assembly. 2,889,688, 6-9-59, Cl. 62-55.
- Jones, Samuel O., to Newport News Shipbuilding and Dry Dock Co. Stud welding gun. 2,870,322, 1-20-59, Cl. 219-98.

- Jones, Samuel O., to Newport News Shipbuilding and Dry Dock Co. Stud welding gun. 2,915,617, 12-1-59, Cl. 219-98.
- Jones, Samuel P., to General Electric Co. Self-cleaning insulator for brush holder stud. 2,897,386, 7-28-59, Cl. 310-239.
- Jones, Shannon, to General Electric Co. Phosphor coating of improved adherence and preparation thereof. 2,905,572, 9-22-59, Cl. 117-33.5.
- Jones, Stanley B.: See—
- Baker, Paul E., and Jones. 2,883,548.
- Jones, Stanley B., to California Research Corp. Ocean bottom stratigraphy surveying. 2,872,638, 2-3-59, Cl. 324-1.
- Jones, Stanley B., to California Research Corp. Radioactive bore hole logging (beta ray detector). 2,888,569, 5-26-59, Cl. 250-71.
- Jones, Stanley B., and W. E. Meyerhoff, to California Research Corp. Nuclear spectroscopy well logging. 2,888,568, 5-26-59, Cl. 250-71.
- Jones, Stanley O., to Pressed Steel Co. Ltd. Plastic dies, jigs and the like. 2,895,224, 7-21-59, Cl. 33-174.
- Jones, Susie W. Steam curler and waving iron. 2,880,299, 3-31-59, Cl. 214-24.
- Jones, Thaddeus C.: See—
- Sunich, Albert R. 2,878,805.
- Jones, Thomas M., to Mitchell Engineering Ltd., and R. W. Webster & Co. Ltd. Conveyor mechanisms for use in sterilizing or preserving conveyor. 2,893,536, 7-7-59, Cl. 198-31.
- Jones, Wallace M., and F. M. Cain, Jr., to Westinghouse Electric Corp. Electrode control. 2,875,368, 2-24-59, Cl. 314-74.
- Jones, Walter A., to E. Kendall. Closure operator and radio control apparatus. 2,869,860, 1-20-59, Cl. 268-59.
- Jones, Walter I., to United-Carr Fastener Corp. All plastic separable fastener of the press button type. 2,895,199, 7-21-59, Cl. 21-213.
- Jones, Walter O., to The Wess Engineering Co., Inc. Belt wrapper. 2,890,003, 6-9-59, Cl. 242-78.5.
- Jones, Wesley N., to Westinghouse Electric Corp. Transistor variable frequency oscillator employing an inductor with a core of variable permeability. 2,919,416, 12-29-59, Cl. 332-29.
- Jones, Wickliffe, to R. A. Jones and Co., Inc. Article metering apparatus. 2,878,919, 3-24-59, Cl. 198-34.
- Jones, Wickliffe, to R. A. Jones & Co., Inc. High speed carton closing and sealing apparatus. 2,903,833, 9-15-59, Cl. 53-375.
- Jones, Wilfred: See—
- Edmondson, William, and Jones. 2,915,061.
- Jones, William A.: See—
- Campbell, Alfred, and Jones. 2,915,527.
- Jones, William A., and J. F. Huff, to American Radiator & Standard Sanitary Corp. Pressure measuring means. 2,872,812, 2-10-59, Cl. 73-398.
- Jones, William D., to F. W. Berk & Co. Ltd. Manufacture of powders of copper and copper alloys. 2,870,483, 1-27-59, Cl. 18-47.3.
- Jones, William H., and H. Z. Martin, to Esso Research and Engineering Co. Fluid coking process. 2,895,904, 7-21-59, Cl. 208-127.
- Jones, William N. File cover support devices as used in filing systems. 2,893,398, 7-7-59, Cl. 129-16.7.
- Jongeneel, Albert M.: See—
- Huber, Henry, and Craven. 2,869,490.
- Jongepier, Hendrik S.: See—
- Janssen, Henricus J. H., Jongepier, and Wanting. 2,876,494.
- Jonke, Albert A.: See—
- Lawroski, Stephen, Jonke, and Steunenberg. 2,907,630.
- Jonke, Albert A., J. E. A. Graae, and N. M. Levitz, to United States of America, Atomic Energy Commission. Multi-stage fluidized bed reactor. 2,911,290, 11-3-59, Cl. 23-284.
- Jonke, Joseph L., to Fairchild Camera and Instrument Corp. Electric pressure transducer. 2,886,679, 5-12-59, Cl. 201-48.
- Jonke, Richard, and J. Lintner. Process for injection-molding reinforced or stiffened parts in plastic material. 2,903,388, 9-8-59, Cl. 154-110.
- Jonker, Hendrik: See—
- De Jonge, Jellis, Jonker, Kuening, and Dippel. 2,868,643.
- Jonker, Johan L. H.: See—
- Van Doorn, Adriaan G., Groendijk, and Jonker. 2,890,376.
- Jonker, Johan L. H., and G. de Vries, to North American Philips Co., Inc. Tunable magnetron. 2,899,603, 8-11-59, Cl. 315-39.51.
- Jonkers, Cornelius O.: See—
- Van Meurs, Hubertus A., and Jonkers. 2,877,805.
- Jonkers, Cornelius O., to North American Philips Co., Inc. Heat exchanger. 2,899,381, 8-11-59, Cl. 62-6.
- Jonkers, Cornelius O., to North American Philips Co., Inc. Heat-exchanger in which a multi-component medium is cooled. 2,900,798, 8-25-59, Cl. 62-42.
- Jonkers, Cornelius O., and J. W. L. Köhler, to North American Philips Co., Inc. Gas liquefying apparatus. 2,872,789, 2-10-59, Cl. 62-6.
- Jonkers, Cornelius O., and J. W. L. Köhler, to North American Philips Co., Inc. System comprising a cold-gas refrigerator and a heat exchanger. 2,897,655, 8-4-59, Cl. 62-6.
- Jonkers, Johannes J. A.: See—
- De Rooy, Antonius J., and Jonkers. 2,874,449.
- Jonko, Francis J., and J. M. Reed. Work protecting switch for electric motors. 2,906,936, 9-29-59, Cl. 318-447.
- Jonovich, George J. Aircraft cable clamps. 2,897,563, 8-4-59, Cl. 24-126.
- Jöns, Kurt: See—
- Horn, Josef, and Jöns. 2,907,259.
- Jonserseds Fabriker Aktiebolag: See—
- Hulterstrom, Albert F.: See—
- 2,913,026.
- Jonsson, Henry C., to Aktiebolaget Valida Maskiner. Conveyors. 2,897,951, 8-4-59, Cl. 198-38.
- Jonsson, Einar. Torsion spring. 2,873,110, 2-10-59, Cl. 267-57.1.
- Jonsson, Gosta L., and K. G. Andersson. Downward discharge conveyor. 2,895,592, 7-21-59, Cl. 198-134.
- Jonsson, John H.: See—
- Collin, Per H., Eftträng, and Jonsson. 2,885,317.
- Jonsson, Josef E., to Aktiebolaget Wicanders Korkfabriker Eskilstuna. Tool for making light metal caps. 2,884,886, 5-5-59, Cl. 113-42.
- Jonsson, Karl-Erik A.: See—
- Brundell, Per G., and Jonsson. 2,893,453.
- Brundell, Per G., and Jonsson. 2,903,028.
- Jonsson, Per G.: See—
- Nilsson, Nils E., Björk, Rodnert, and Jonsson. 2,909,607.
- Joormann, Hendrik J. M., and P. Zalm, to North American Philips Co., Inc. Electro-luminescent element. 2,911,553, 11-3-59, Cl. 313-108.
- Joosse, Aser. Semi-automatic roto scaler. 2,889,612, 6-9-59, Cl. 29-81.
- Jopson, Howard B., to United States of America, Navy. Radio remote controller for aircraft. 2,894,236, 7-7-59, Cl. 338-116.
- Jordan, Arthur D., Jr., to Rohm & Haas Co. Aqueous composition comprising ammonium salt of maleamic acid/diisobutylene copolymer and linear addition polymer and article coated therewith. 2,901,453, 8-25-59, Cl. 260-29.6.
- Jordan, Arthur D., Jr., to Rohm & Haas Co. Process for making cellulose fibrous sheet. 2,910,399, 10-27-59, Cl. 162-166.
- Jordan, Arthur H., to Minneapolis-Honeywell Regulator Co. Relay for maintaining a constant ratio between a primary variable and a secondary variable in response to a tertiary variable. 2,888,940, 6-2-59, Cl. 137-82.
- Jordan, Charles F., and C. L. Faris. Journal box packing. 2,905,509, 9-22-59, Cl. 308-88.
- Jordan, Donald G.: See—
- Federger, Nathan, and Jordan. 2,900,078.
- Smolin, Edwin M., and Jordan. 2,917,560.
- Jordan, Donald G., to American Cyanamid Co. Apparatus for polymerizing vinyl monomers. 2,872,706, 2-10-59, Cl. 18-39.
- Jordan, Earl W., and W. R. Pierce, to Phillips Petroleum Co. Control of nitrogen in ammonia synthesis. 2,894,821, 7-14-59, Cl. 23-198.
- Jordan, Edmund F., Jr.: See—
- Port, William S., and Jordan. 2,876,895.
- Jordan, Edward J., to Goodmans Industries Ltd. Loud-speaker cabinets. 2,885,024, 5-5-59, Cl. 181-31.
- Jordan, Elfred A., and F. B. Lederer, Sr.; said Lederer assor. to said Jordan. Flux compositions and processes for soldering and metal coating. 2,880,125, 3-31-59, Cl. 148-23.
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- Jordan, Hans, to Given Machinery Co. Garbage disposal apparatus. 2,879,949, 3-31-59, Cl. 241-100.5.
- Jordan, Hans, to Given Machinery Co. Free swinging impeller for waste disposal apparatus. 2,912,176, 11-10-59, Cl. 241-194.
- Jordan, Harry B. Buoy construction. 2,882,536, 4-21-59, Cl. 9-8.
- Jordan, James D., to United States of America, Navy. Switch. 2,899,514, 8-11-59, Cl. 200-80.
- Jordan, James D., to United States of America, Navy. Centrifugal switch. 2,900,908, 8-25-59, Cl. 102-70.2.
- Jordan, James I., Jr., to Frontier Chemical Co., Division of Vulcan Materials Co. Manufacture of monochloroacetic acid. 2,917,542, 12-15-59, Cl. 260-539.
- Jordan, James M. Foot pump. 2,901,980, 9-1-59, Cl. 103-188.
- Jordan, John W.: See—
- Finlayson, Claude M., and Jordan. 2,871,190.
- Jordan, Joseph. Electrical trunk line and connector. 2,875,421, 2-24-59, Cl. 339-22.
- Jordan, Kenneth C.: See—
- Birden, John H., and Jordan. 2,913,510.
- Jordan, O. F., Co.: See—
- Shipley, Calvin W., and Hart. 2,906,041.
- Shipley, Calvin W., and McLean. 2,894,342.
- Jordan, Paul B., and J. W. Anthony, to General Electric Co. Incandescent lamp mount and method of manufacture. 2,910,611, 10-27-59, Cl. 313-279.
- Jordan, Richard H., to Barnes Mfg. Co. Single lever faucet. 2,870,790, 1-27-59, Cl. 137-625.12.
- Jordan, Richard H., and R. Andrews, to Barnes Mfg. Co. Single lever faucet with sliding valve member. 2,877,797, 3-17-59, Cl. 137-625.40.
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- Lewis, Walter E., and Jordan. 2,883,507.



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- Jordan, Samuel C., to General Electric Co. Electric range. 2,900,480, 8-18-59, Cl. 219-20.
- Jordan, Terence B.: See—  
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- Jordan, Terence B., J. P. Dilworth, and J. R. Roach, to The Texas Co. High dropping point lithium base greases. 2,872,417, 2-3-59, Cl. 252-42.1.
- Jordan, Walter, to Luther-Werke, Luther & Jordan. Suction device for the transfer of liquid from one container to another. 2,869,815, 1-20-59, Cl. 251-76.
- Jordan, Willard B., to Olin Mathieson Chemical Corp. Method for reducing growth of weeds. 2,910,353, 10-27-59, Cl. 71-2.3.
- Jordan, William E., Jr.: See—  
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- Jordan, William F., to Independent Die & Supply Co. Shoe stamping machine. 2,887,041, 5-19-59, Cl. 101-9.
- Jordan, William, 3d, to Curless-Wright Corp. Ratio meter blade pitch indicators. 2,898,551, 8-4-59, Cl. 324-62.
- Jordano, Assen, to Troco Sales Co. Container closure. 2,906,421, 9-29-59, Cl. 215-40.
- Jörg, Heinrich, and H. Fleissner, 1/2 to P. O. Tobeler, d.b. under the name of Trans-Oceanic. Ship drive and steering device. 2,884,889, 5-5-59, Cl. 115-14.
- Jorgensen, Bernhardt, to United Shoe Machinery Corp. Cement handling apparatus. 2,871,818, 2-3-59, Cl. 118-6.
- Jorgensen, Bernhardt, to United Shoe Machinery Corp. Controlling means for fluid operated machines. 2,877,627, 3-17-59, Cl. 60-97.
- Jorgensen, Bernhardt, to United Shoe Machinery Corp. Fastener driving devices. 2,896,231, 7-28-59, Cl. 12-12.2.
- Jorgensen, Clinton O., to Northrop Aircraft, Inc. Analogue divider. 2,877,948, 3-17-59, Cl. 235-61.
- Jorgensen, Earl R. Roller bearing construction. 2,889,180, 6-2-59, Cl. 308-6.
- Jorgensen, Gordon L. and I. A. Motor operated nut runner provided with magazine storage means. 2,868,053, 1-13-59, Cl. 81-57.
- Jorgensen, Irvin A.: See—  
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- Jorgensen, Kristen, R. M. Williams, and L. S. Miller, to American-Marletta Co. Adhesive, Resin and Chemical Division. Material for and process of patching plywood sheets. 2,888,359, 5-26-59, Cl. 117-2.
- Jorgensen, Robert, to Buffalo Forge Co. Air conditioning units. 2,884,228, 4-28-59, Cl. 257-9.
- Jorgensen, Robert A., 1/2 to E. D. Farley. Stand and bracket. 2,914,283, 11-24-59, Cl. 248-125.
- Jorgenson, Gerald A., C. A. Kleffaber, and M. A. Stickelber, to Stickelber & Sons, Inc. Bakery goods making apparatus. 2,888,886, 6-2-59, Cl. 107-14.
- Jorgenson, Gerald A., C. A. Kleffaber, and M. A. Stickelber, to Stickelber & Sons, Inc. Bakery goods making method. 2,888,888, 6-2-59, Cl. 107-54.
- Jorgenson, Ralph J., to Pacific Coast Pail Co. Frozen food package. 2,878,128, 3-17-59, Cl. 99-192.
- Joris, George G.: See—  
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- Joris, George G., to Allied Chemical Corp. Processes for the purification of phenols. 2,910,511, 10-27-59, Cl. 280-621.
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- Jorn, Glenn L.: See—  
Zellinsky, Robert V., and Jorn. 2,913,098.
- Jörn, Raul, to Metallgummi G.m.b.H. Elastic wheels for vehicles. 2,900,001, 8-18-59, Cl. 152-49.
- Jorpes, Johan E., V. Mutt, S. Rastgeldi, and J. G. B. Lindén, to Apoteksvarucentralen Vitrum Apotekareaktiebolaget. Amino acid purification of insulin. 2,878,159, 3-17-59, Cl. 167-75.
- Josaitis, John J., to American Motors Corp. Refrigerating apparatus. 2,878,534, 3-24-59, Cl. 20-35.
- Josam Mfg. Co.: See—  
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Manas, Vincent T. 2,901,754.  
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- Joseloff, Stanley. Display. 2,913,840, 11-24-59, Cl. 40-28.1.
- Josiah John L., and I. Dorfman, to Brrr Products Co., Inc. Folded blank structure for interlocking toy construction elements. 2,874,512, 2-24-59, Cl. 46-25.
- Joseph, Louis. Spring booster. 2,904,329, 9-15-59, Cl. 267-33.
- Joseph, Nicole M.: See—  
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- Joseph, Pearl. Containers for cabinets. 2,893,806, 7-7-59, Cl. 312-249.
- Joseph, Perry R., S. Pakwer, and C. S. Szecho, to The Rauland Corp. Thermionic cathodes. 2,874,077, 2-17-59, Cl. 117-201.
- Joseph, Stanley M., to Stanthony Corp. Barbecue unit. 2,903,549, 9-8-59, Cl. 219-35.
- Joseph, William D.: See—  
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- Josephson, Saul: See—  
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- Josephson, Vernal, and J. E. Hammel, to United States of America, Atomic Energy Commission. High energy gaseous plasma containment device. 2,868,991, 1-13-59, Cl. 250-84.5.
- Joslyn Mfg. & Supply Co.: See—  
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Carlson, Donald E. 2,886,269.  
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- Josutis, Willi. Flexible joints. 2,917,909, 12-22-59, Cl. 64-2.
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- Jouclard, Henri G. E. Internal combustion engines. 2,914,049, 11-24-59, Cl. 123-48.
- Jouille, Maurice, M. Laure, G. Maillard, and P. Muller, to Recherches et Propagande Scientifiques (Societe a Responsabilite Limitee). Process for the production of bis(chloromethyl) disulphide. 2,894,039, 7-7-59, Cl. 260-608.
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- Journal Box Servicing Corp.: See—  
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- Jovanovich, Milton, M. W. Jumisko, and W. G. Jensen, to Ford Motor Co. Transmission shift control. 2,887,898, 5-26-59, Cl. 74-476.
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- Jowitt, Hubert: See—  
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- Joy, Alden R.: See—  
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- Joy, Henry M., A. G. Horvath, and E. F. Steger, to Reliance Electric and Engineering Co. Electric motor. 2,911,548, 11-3-59, Cl. 310-77.
- Joy, Ivan L. Diode gating circuit. 2,900,503, 8-18-59, Cl. 250-27.
- Joy, Ivan L. Method and means for transmitting elastic waves. 2,913,602, 11-17-59, Cl. 310-8.3.
- Joy, Joseph F. Bed with invalid lift. 2,873,456, 2-17-59, Cl. 5-65.
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- Joy, Joseph F., to Joy Mfg. Co. Apparatus for mine roof control. 2,899,800, 8-18-59, Cl. 61-45.
- Joy, Joseph F. Fishing reel and support therefor. 2,910,252, 10-27-59, Cl. 242-84.3.
- Joy, Joseph F., to Joy Mfg. Co. Continuous mining apparatus having core forming means and multiple core dislodging devices. 2,910,283, 10-27-59, Cl. 262-5.
- Joy, Kenneth E. Inflatable inclosure. 2,910,994, 11-3-59, Cl. 135-1.
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Baechli, George. 2,876,890.  
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Barrett, James L. 2,868,511.  
Boudette, Cornelius G. 2,909,288.  
Brown, Ora A. 2,903,241.  
Calder, Alexander W. 2,886,169.  
Calder, Alexander W. 2,910,049.  
Cowan, David M. 2,879,034.  
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Green, Willard E. 2,885,027.  
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Russell, John A., and Boullie. 2,867,427.  
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Sullinger, Francis E. 2,910,191.  
Wachsmuth, Erich A. 2,918,788.
- Joy, Raymond D., to Pacific Mills. Seam detector. 2,900,468, 8-18-59, Cl. 200-81.
- Joy, Robert F.: See—  
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- Joy, Robert F., and C. W. Smollinger, to Bethlehem Steel Co. Compression sleeve and method of compressing for wire rope slings. 2,889,603, 6-9-59, Cl. 24-123.
- Joy, Robert T.: See—  
Mayer, Edward F., and Joy. 2,913,353.
- Joy, Robert W., to ACF Industries, Inc. Pipe support. 2,919,087, 12-29-59, Cl. 248-56.
- Joy, Wilbur R. Cutting tools and method of making same. 2,867,137, 1-6-59, Cl. 76-101.
- Joyce-Cridland Co., The: See—  
Haddix, Robert J. 2,904,132.  
Hott, Ion V. K., and Haddix. 2,872,942.
- Joyce, Herman J.: See—  
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- Joyce, Richard P. Device for loading paper bags and cartons. 2,902,811, 9-8-59, Cl. 53-384.
- Joyce, Robert T. Ball-point pen. 2,880,702, 4-7-59, Cl. 120-42.4.
- Joyce, Thomas P., Jr.: See—  
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- Joyner, John M., to Farrel-Birmingham Co., Inc. Method of treating powdered metal. 2,902,363, 9-1-59, Cl. 75-214.
- Joyner, Powell A., to Minneapolis-Honeywell Regulator Co. Galvanic corrosion indicator. 2,881,056, 4-7-59, Cl. 23-254.
- Joyner, Powell A., and J. P. Pressau, to Callery Chemical Co. Radiation dosimeter element coating. 2,882,414, 4-14-59, Cl. 250-83.
- Joyner, Lester M.: See—  
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- Jozwik, John C.: See—  
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- Jubel, Henry A.: See—  
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- Jubel, Henry A., to Sterling Aluminum Products, Inc. Trunk piston. 2,911,269, 11-3-59, Cl. 309-13.
- Jubenville, Arthur R. Plug-in mounting block for electrical instruction board. 2,878,587, 3-24-59, Cl. 35-19.
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Rogers, Jack A., and Juckness. 2,874,953.
- Juda, Walter, to Ionics, Inc. Production of titanium and zirconium by reduction of their sulfides. 2,902,360, 9-1-59, Cl. 75-84.
- Juda, Walter, to Ionics, Inc. Method of producing caustic by ion exchange and regeneration thereof. 2,917,368, 12-15-59, Cl. 23-185.
- Juda, Walter, and M. C. Cratella, to Ionics, Inc. Electrolytic production of titanium tetrahalides. 2,870,071, 1-20-59, Cl. 204-61.
- Judd, Charles R. Pneumatic tire accessories. 2,893,343, 7-7-59, Cl. 116-34.
- Judd, Chester K., Jr., to The Fletcher-Terry Co. Glazier's point driver. 2,869,131, 1-20-59, Cl. 1-44.
- Judd, David L.: See—  
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- Judd, Edwin M., to General Electric Co. Control device for refrigeration apparatus. 2,885,513, 5-5-59, Cl. 200-140.
- Judd, John H., Jr.: See—  
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- Judd, Nigel C. W.: See—  
Barnard, Roy M., Girling, and Judd. 2,903,780.
- Judelson, David N. Combination material doubler and seam opener. 2,900,934, 8-25-59, Cl. 112-63.
- Judge, Alan A. V., to United Shoe Machinery Corp. Helical raceways. 2,878,915, 3-24-59, Cl. 193-43.
- Judge, Thomas J.: See—  
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- Judisch, Carl H., to The Whitney Blake Co. Marking vulcanized rubber cordage and the like. 2,909,990, 10-27-59, Cl. 101-32.
- Judkins, Raymond P.: See—  
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- Judson, Charles A., and G. M. Collins, to The Birmingham Small Arms Co. Ltd. Filters. 2,905,326, 9-22-59, Cl. 210-457.
- Judson, Walter E. Internal cuff trouser hanger. 2,909,309, 10-20-59, Cl. 223-95.
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- Judy, Robert V., to International Telephone and Telegraph Corp. Multi-exchange telephone system. 2,909,612, 10-20-59, Cl. 179-27.
- Juergens, William A. Sink retainer. 2,885,691, 5-12-59, Cl. 4-187.
- Juhas, Michael, to General Time Corp. Switch actuating timer. 2,917,591, 12-15-59, Cl. 200-38.
- Juhasz, Steve. Foot massaging device. 2,868,191, 1-13-59, Cl. 128-60.
- Juhlin, Arthur H., and A. L. Macan, to General Motors Corp. Filter. 2,900,043, 8-18-59, Cl. 183-40.
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- Juifla, Howard W., to Senco Products, Inc. Air flow and piston drive for pneumatic staplers. 2,870,743, 1-27-59, Cl. 121-21.
- Jukes, Harry R., to Gulf Research & Development Co. Warning device for oil wells. 2,905,135, 9-22-59, Cl. 116-70.
- Jukes, Harry R., to Gulf Research & Development Co. Signaling device for oil wells. 2,905,136, 9-22-59, Cl. 116-70.
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- Julian Laboratories, Inc., The: See—  
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- Julian, Percy L., J. W. Cole, and G. H. Diemer, to Chas. Pfizer & Co. 5,7-pregnadiene-3-OL-20 one, esters thereof and related compounds. 2,876,237, 3-3-59, Cl. 260-397.3.
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- Julian, Percy L., and H. C. Printy, to The Julian Laboratories, Inc. 2,5-pregnadiene derivatives. 2,891,975, 6-23-59, Cl. 260-397.4.
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- Julian, Thomas M.: See—  
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- Jullien, Alexandra F.: See—  
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- Jumenko, Sergej. Table delicacy. 2,916,381, 12-8-59, Cl. 99-107.
- Jumisko, Milton W.: See—  
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- Jump, Robert S.: See—  
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- Jung, Anton L., to Burger Eisenwerke G.m.b.H. Method of de-freezing and heating deep-frozen foods. 2,906,620, 9-29-59, Cl. 99-1.
- Jung, Bernhard, W. Flach, and H. Kratz, to Demag-Baggerfabrik G.m.b.H. Hydraulically operated machines. 2,912,131, 11-10-59, Cl. 214-131.
- Jung, Eddie S.: See—  
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- Jung, Erland V., to Aktiebolaget Landsverk. Screw presses. 2,912,923, 11-17-59, Cl. 100-117.
- Jung, Gerhard, to Siemens and Halske Aktiengesellschaft. Moisture-proofed semiconductor element. 2,912,354, 11-10-59, Cl. 117-200.
- Jung, Jean-Pierre, to J. R. Geigy A.G. Monoazo dyestuffs. 2,909,516, 10-20-59, Cl. 260-196.
- Jung, Melvin A., to Invincible Metal Furniture Co. Stationery tray which is retractable beneath the typewriter platform of a desk. 2,912,293, 11-10-59, Cl. 312-29.
- Jungermann, Eric, to Colgate-Palmolive Co. Novel higher aliphatic acid derivatives and compositions containing the same. 2,909,535, 10-20-59, Cl. 260-404.
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- Jungjohann, Vernon H.: See—  
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- Jungjohann, Vernon H., to Eastman Kodak Co. Slide changer. 2,916,965, 12-15-59, Cl. 88-28.
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- Jungles, Robert N., to Cleveland Pneumatic Industries, Inc. Constant load metering device. 2,868,536, 1-13-59, Cl. 267-64.
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- Junior, Armando M. D. Electric current automatic switches. 2,891,126, 6-16-59, Cl. 200-138.
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- Juntunen, Arthur W. Pickaroon with a removable point. 2,883,229, 4-21-59, Cl. 294-17.
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- Juran, Steve G.: See—  
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- Juraschek, Johann R.: See—  
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- Jurgensen, Louis A., and B. A. Martz, to Minnesota and Ontario Paper Co. Reel starter. 2,881,983, 4-14-59, Cl. 242-65.
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- Justason, Cameron E.: See—  
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- Justus, Edgar J., to Beloit Iron Works. Suction roll silencer. 2,911,042, 11-3-59, Cl. 162-371.
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- Juttner, Bernhard: See—  
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- Juve, Arthur E., to The B. F. Goodrich Co. Mixing rubber. 2,894,280, 7-14-59, Cl. 18-2.
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- Juveland, Omar O., H. N. Friedlander, and E. Field, to Standard Oil Co. Polymerization utilizing a catalyst comprising a metal, a metal halide and a metal oxide. 2,913,515, 12-1-59, Cl. 260-94.9.
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- Love, John. 2,904,356.
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- K S M Products, Inc.: See—  
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- Kaatz, Herbert W., to The American Crucible Products Co. Pump control. 2,910,003, 10-27-59, Cl. 103-25.
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 Barrett, Fred O., and Kamlet. 2,889,198.  
 Kamlet, Jonas, to Reynolds Metals Co. Process for the manufacture of anthraquinone and derivatives thereof. 2,871,244, 1-27-59, Cl. 260-369.  
 Kamlet, Jonas, to Crown Zellerbach Corp. Purification of boronol. 2,878,292, 3-17-59, Cl. 260-600.  
 Kamlukin, Igor, to Allis-Chalmers Mfg. Co. Planetary transmission. 2,871,726, 2-3-59, Cl. 74-769.  
 Kamlukin, Igor, to Simplicity Mfg. Co. Garden sulky with dump body. 2,880,034, 3-31-59, Cl. 298-5.

Kamlukin, Igor, to Simplicity Mfg. Co. Soil tilling device. 2,903,077, 9-8-59, Cl. 172-42.  
 Kamm, Lawrence J.: See—  
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 Kamm, Lawrence J. Multiple electrical connector with yieldable contacts. 2,881,404, 4-7-59, Cl. 339-17.  
 Kamm, Lawrence J. Automatic decimal point slide rule. 2,893,630, 7-7-59, Cl. 235-64.3.  
 Kammer, Karl. Implement for tying blood vessels. 2,898,915, 8-11-59, Cl. 128-326.  
 Kammer, Karl. Devices for the gripping and ligaturing of the ends of tubular vessels. 2,898,916, 8-11-59, Cl. 128-328.  
 Kammer, Karl. Thread for the production of knotted ligatures more especially for surgical purposes and particularly for the ligaturing of blood vessels during operations. 2,910,066, 10-27-59, Cl. 128-326.  
 Kammerer, Leo P.: See—  
 Haerther, Lester W., and Kammerer. 2,912,192.  
 Kammritz, Arthur E. Apparatus and method for fitting struts to propeller shafts of boats and the like. 2,891,316, 6-23-59, Cl. 33-180.  
 Kamp, Ewald A., and E. S. Wassel, to United States of America, Army. Drum actuating cam for revolver-type gun. 2,887,931, 5-26-59, Cl. 89-155.  
 Kamp, Ewald A., and R. W. Roberts, to United States of America, Army. Recoilless gun for separate loading ammunition. 2,889,747, 6-9-59, Cl. 89-17.  
 Kamp, Hans: See—  
 Breilting, Wilhelm, Hess, and Kamp. 2,892,528.  
 Kamp, Hans, to Olympia Werke A. G. Typewriter carbon paper ribbon feeding device. 2,868,346, 1-13-59, Cl. 197-151.  
 Kamp, Heinrich, to Buttner-Werke Akt. Apparatus for drying and simultaneously cooling white sugar coming from a drier. 2,869,249, 1-20-59, Cl. 34-65.  
 Kamp, Johannes J. Ring modulator phase comparator. 2,905,896, 9-22-59, Cl. 324-87.  
 Kamp, Johannes J., and J. L. Smals, to Foxboro Co. Amplifier for an induction flow meter. 2,887,878, 5-26-59, Cl. 73-194.  
 Kamp, Leonard F.: See—  
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 Kampel, Everett. Line holding device for bricklaying. 2,893,125, 7-7-59, Cl. 33-85.  
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 Kamper, Richard H. Conveyor feed control. 2,917,155, 12-15-59, Cl. 198-21.  
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 Goldtrap, Charley L. 2,904,794.  
 Kampmeier, Frederick J., to The Ingersoll Milling Machine Co. Guide construction. 2,890,083, 6-9-59, Cl. 308-6.  
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 Lange, Heinrich. 2,912,123.  
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 Krause, Walter, Krekeler, Wirtz, Kampner, and Bachmann. 2,812,475.  
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 Kanda, Frank A., A. J. King, and C. C. Clark, to Olin Mathieson Chemical Corp. Preparation of diborane. 2,918,352, 12-22-59, Cl. 23-204.  
 Kandle, Charles W. Spring loaded earth drill. 2,873,950, 2-17-59, Cl. 255-48.  
 Kandle, Charles W. Method and apparatus for drilling large diameter holes. 2,912,225, 11-10-59, Cl. 255-18.  
 Kandle, Charles W. Drill head for wing cutters. 2,912,228, 11-10-59, Cl. 255-76.  
 Kandolan, Armig G., to International Telephone and Telegraph Corp. Antenna. 2,875,443, 2-24-59, Cl. 343-895.  
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 Kane, Elizabeth B.: See—  
 Blatz, Peter A. 2,909,008.  
 Kane, Ernest M.: See—  
 Johnson, Thomas H., Kane, and Tabor. 2,868,129.  
 Kane, Florence: See—  
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 Kane, Frank A.: See—  
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 Kane, Gideon, deceased; S. Kane, administratrix. Drier for printed webs. 2,907,119, 10-6-59, Cl. 34-160.  
 Kane, Henry S.: See—  
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 Kane, Isabelle M. Collapsible umbrella-type beach table. 2,905,513, 9-22-59, Cl. 311-17.  
 Kane, James A.: See—  
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Wojciak, Thaddeus J., Kane, and Stanchus. 2,876,334.  
Kane, Neil G.: See—  
Becker, August, and Kane. 2,896,412.  
Kane, Sylvena: See—  
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Kane, Thomas C., to The Commercial Shearing and Stamping Co. Descaling apparatus. 2,900,703, 8-25-59, Cl. 29-81.  
Kane, Thomas C., to The Commercial Shearing and Stamping Co. Jet rings. 2,901,184, 8-25-59, Cl. 239-452.  
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Urano, Yukio, and Hamahata. 2,886,940.  
Kang, Lawrence S. C. Planting machine. 2,890,665, 6-16-59, Cl. 111-3.  
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Kangas, Charles H., to Phillips Petroleum Co. Fluid seal for relatively rotating members. 2,908,521, 10-13-59, Cl. 288-16.  
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Badcock, David N. 2,880,585.  
Powell, Harold W. 2,897,385.  
Kann, William L., to Steel Shot Producers, Inc. Induction melting furnace. 2,914,593, 11-24-59, Cl. 13-27.  
Kanne, William R., to United States of America, Atomic Energy Commission. Thermal couple for measuring temperature in a reactor. 2,914,594, 11-24-59, Cl. 136-4.  
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Kanolt, Clarence W., to Farrand Optical Co., Inc. Multifocal ophthalmic lenses. 2,878,721, 3-24-59, Cl. 88-54.  
Kano, Harold S. Decorative type candle adapter. 2,888,816, 6-2-59, Cl. 67-23.  
Kanouse, Robert F. Anchor lifting and lower winch. 2,910,032, 10-27-59, Cl. 114-210.  
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Maloney, James O., and Teplitz. 2,898,388.  
Kant, Edwin S.: See—  
Alderman, Leon D., Cardani, Kant, and Kimball. 2,896,213.  
Crossen, William P., Hall, and Kant. 2,901,749.  
Hart, Fred V., and Kant. 2,879,526.  
Kant, Edwin S., to United Shoe Machinery Corp. Shoe unloading device. 2,908,921, 10-20-59, Cl. 12-1.  
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Kanter, Jerome J., to Crane Co. Method of coating ferrous articles with magnesium and magnesium-base alloys. 2,912,346, 11-10-59, Cl. 117-51.  
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Kantor, Norman H. Metering carton. 2,880,915, 4-7-59, Cl. 222-456.  
Kantor, Simon W.: See—  
Gilbert, Alfred R., and Kantor. 2,891,980.  
Kantor, Simon W., and A. R. Gilbert, to General Electric Co. Quaternary phosphonium compounds as polymerization catalysts for siloxanes. 2,883,366, 4-21-59, Cl. 260-46.5.  
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Drew, Stanley J., and Kanty. 2,898,823.  
Kanzelberger, Claude G.: See—  
Paulsen, Paul L., Hiers, and Kanzelberger. 2,899,772.  
Kao, John Y. L., to F. D. Farnam Co. Method for preparing a novel cork composition and products produced thereby. 2,884,060, 4-28-59, Cl. 162-169.  
Kao, Wilson S. Process for making photographic negative records and using the same for the production of three dimensional images. 2,891,339, 6-23-59, Cl. 41-25.  
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Baker, Howard E., and Kapfer. 2,913,845.  
Kapff, Sixt F., to Standard Oil Co. Hydrocarbon gas analyzer and method. 2,888,330, 5-26-59, Cl. 23-232.  
Kapff, Sixt F., to Standard Oil Co. Combustible detector for gas chromatography. 2,901,329, 8-25-59, Cl. 23-255.  
Kapitula, John. Pistons. 2,918,337, 12-22-59, Cl. 309-4.  
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Rogers, Morris R., Kaplan, and Pillion. 2,887,262.  
Wilkins, James M. 2,880,753.  
Kaplan, Harry. Method of making a mold for casting a shoe last. 2,891,285, 6-23-59, Cl. 18-55.05.  
Kaplan, Henry, to Burroughs Corp. Pulse width modulator. 2,875,412, 2-24-59, Cl. 332-12.  
Kaplan, Jack, and F. T. Turner. Electro-mechanical resonant system. 2,872,578, 2-3-59, Cl. 250-36.  
Kaplan, Joseph. Raincoat. 2,897,507, 8-4-59, Cl. 2-87.  
Kaplan, Joseph. Twirling baton. 2,918,839, 12-29-59, Cl. 84-477.  
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Kaplan, Julius. Sleeping bag. 2,918,683, 12-29-59, Cl. 5-343.  
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Kaplan, Louis, to United States of America, Atomic Energy Commission. Solvent for extracting actinide salts. 2,910,442, 10-27-59, Cl. 252-304.  
Kaplan, Louis G.: See—  
Dreislin, Alexander, and Kaplan. 2,871,796.  
Kaplan, Martin, and D. E. Townsend, Jr., to Radio Corp. of America. Automatic programmed delivery system. 2,891,654, 6-23-59, Cl. 198-19.  
Kaplan, Mitzel. Cigarette carton. 2,867,368, 1-6-59, Cl. 229-17.  
Kaplan, Murray S. Coated fabric. 2,885,303, 5-5-59, Cl. 117-37.  
Kaplan, Phillip D.: See—  
Godwin, Charles J., Hurowitz, Kaplan, Siegel, and Zebley. 2,896,314.  
Kaplan, Ruth. Liquid supply system for a weeping doll. 2,888,777, 6-2-59, Cl. 46-135.  
Kaplan, Sholom E., to The S. and F. Co. Foldable container. 2,894,708, 7-14-59, Cl. 248-99.  
Kaplon, Hilton C. Sludge digestion apparatus. 2,891,675, 6-23-59, Cl. 210-539.  
Kapp, Roland: See—  
Klein, Howard C., Di Salvo, and Kapp. 2,870,198.  
Kappa Trust: See—  
Kappeler, Gertrude C.: See—  
Kappeler, John A., to G. C. Kappeler. Cup holder. 2,875,966, 3-3-59, Cl. 248-1.  
Kappeler, Markus, and F. Frisch, to Sandoz A.G. Acid monoazo dyestuffs. 2,904,543, 9-15-59, Cl. 260-199.  
Kappellmann, Benjamin O. Cotton stripping machine. 2,903,835, 9-15-59, Cl. 56-33.  
Kappus, Peter G., to United States of America, Air Force. Supersonic variable throat nozzle. 2,880,576, 4-7-59, Cl. 60-35.6.  
Kapprellan, Edward K.: See—  
Castedello, William, Kapprellan, and Mayer. 2,905,050.  
Kapprellan, Edward K. Variable focal length lens system. 2,908,199, 10-13-59, Cl. 89-57.  
Karabats, Christopher, to Sanders Associates, Inc. Ceramic space-discharge tube. 2,887,605, 5-19-59, Cl. 313-244.  
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Karabin, Harry. Spring-biased shear joint. 2,898,678, 8-11-59, Cl. 30-269.  
Karal, Frank C., Jr.: See—  
Ely, John O., Summers, and Karal. 2,889,001.  
Karasek, Francis W., and R. J. Loyd, to Phillips Petroleum Co. Fluid blending. 2,879,140, 3-24-59, Cl. 23-232.  
Karasevich, John G. Dispenser for bobby-pins and the like. 2,874,703, 2-24-59, Cl. 132-1.  
Karasek, Igor J. Three-element feedwater control. 2,904,018, 9-15-59, Cl. 122-451.  
Karatzas, Alexander, and M. Hondropoulou. Process of lining the interior of a metal container with acid-resistant coating. 2,897,096, 7-28-59, Cl. 117-70.  
Karb, Enoch J.: See—  
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Luckhardt, Johannes. 2,870,821.  
Karbowiczek, Stanley W., to Honna Engineering Works. Reciprocating valve structure. 2,910,081, 10-27-59, Cl. 137-625.25.  
Karcher, Harry C., to General Motors Corp. Afterburner fuel injection system. 2,880,573, 4-7-59, Cl. 60-35.6.  
Karcher, Harry C., and O. T. Kreusser, to General Motors Corp. Augmenter type afterburner for jet propelled aircraft. 2,882,679, 4-21-59, Cl. 60-35.6.  
Karcher, John C., and F. J. Allen, Jr., to Concho Petroleum Co. System for recovering uranium from its ores. 2,885,270, 5-5-59, Cl. 23-260.  
Kardas, Stanley J., to Water Resources Development Corp. Silver iodide generator. 2,917,464, 12-15-59, Cl. 252-359.  
Kardon, Stanley. Athletic shoe. 2,904,903, 9-22-59, Cl. 36-2.5.  
Kardorf, Leon, to Telecontrols-International, Inc. Device for filling electric battery cells. 2,899,481, 8-11-59, Cl. 136-162.  
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Foulke, Donald G., Kardos, and Koretzky. 2,811,122.  
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Karecki, Marlon R.: See—  
Fisher, Daniel R., Jr., and Karecki. 2,867,711.  
Karelitz, Michael B.: See—  
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Karig, Horace E. Jet driven torpedoes. 2,910,953, 11-3-59, Cl. 114-23.  
Karig, Horace E., to Waste King Corp. Dishwasher. 2,918,068, 12-22-59, Cl. 134-99.

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Karlen, Harvey R., to Cory Corp. Hot water heater. 2,870,318, 1-20-59, Cl. 219-38.  
Karlen, Harvey R., and D. C. Eisendrath, to Cory Corp. Hot water dispenser. 2,869,760, 1-20-59, Cl. 222-76.  
Karlen, Robert P.: See—  
Akely, William S., and Karlen. 2,897,348.  
Karler, Arthur. Apparatus for electro-chromatographic separation. 2,875,144, 2-24-59, Cl. 204-299.  
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Karlin, Anthony P., to Cleveland Pneumatic Industries, Inc. Actuator. 2,882,740, 4-21-59, Cl. 74-424.8.  
Karlinski, Robert M.: See—  
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Karlsinski, Theodore H. Floor level coupling for water closets. 2,908,513, 10-13-59, Cl. 285-58.  
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Karlovsky, Jerry, to Goodman Mfg. Co. Boring type mining machine having pivotally mounted pusher plate wings. 2,885,196, 5-5-59, Cl. 262-7.  
Karlsen, John C., to Bendix Aviation Corp. Compass system. 2,886,898, 5-19-59, Cl. 33-222.  
Karlsen, John C., to Bendix Aviation Corp. Gyroscope. 2,897,676, 8-4-59, Cl. 74-541.  
Karlsen, John C., to Bendix Aviation Corp. Demodulator. 2,898,462, 8-4-59, Cl. 250-31.  
Karlsen, John E. Acoustic system. 2,896,736, 7-28-59, Cl. 181-30.  
Karlsruher, Gerald W., to Sylvania Electric Products, Inc. Mechanical drive and indicator. 2,909,067, 10-20-59, Cl. 74-10.9.  
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Karlssohn, Hilmer, to The Air Preheater Corp. Pellet type heat exchanger. 2,911,198, 11-3-59, Cl. 257-55.  
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Karlssohn, Sven-Olof, and E. V. Quistgaard, to Aktiebolaget Volvo. Hydraulic change speed gearings. 2,905,025, 9-22-59, Cl. 67-677.  
Karmas, George, and R. A. Mallory, to Ortho Pharmaceutical Corp. Process of and composition for combating epilepsy. 2,883,392, 4-21-59, Cl. 260-310.  
Karmazin, John. Heat exchange device. 2,896,429, 7-28-59, Cl. 62-515.  
Karnahl, Friedrich H., to C. Kruse. Sheet folding machine with several folding devices. 2,912,238, 11-10-59, Cl. 270-81.  
Karnath, Günther: See—  
Karnath, Kurt K., and G. 2,018,311.  
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Karnath, Klaus-Jürgen: See—  
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Karnath, Kurt K., and G. 2,918,311.  
Karnath, Kurt K., and G.: said K. and said G. Karnath, assors. to said Klaus-Jürgen Karnath. Trailer coupling with stationary coupling hook. 2,918,311, 12-22-59, Cl. 280-510.  
Karnath, Kurt K., and G.: said K. Karnath and said G. Karnath assors. to said K.-J. Karnath. Apparatus for disconnecting trailer service and mechanical couplings. 2,894,763, 7-14-59, Cl. 280-421.  
Karnbach, Hugo. Suspension filling system. 2,919,031, 12-29-59, Cl. 211-46.  
Karnes, Frank W. Taping tool. 2,912,851, 11-17-59, Cl. 72-136.  
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Karp, Arthur, and W. H. Yocom, to Bell Telephone Laboratories, Inc. Traveling wave tube. 2,882,438, 4-14-59, Cl. 315-3.5.  
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Karpf, Nikolaus, to Valentin Linhof K.G. Camera with exchangeable back. 2,913,970, 11-24-59, Cl. 95-11.  
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Karpiuk, Robert S., to The Dow Chemical Co. Recovery of chlorine. 2,881,054, 4-7-59, Cl. 23-219.  
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Karr, Clarence, Jr., to Gulf Research & Development Co. Separation process utilizing urea partition chromatography. 2,912,426, 11-10-59, Cl. 260-96.5.  
Karr, Errol H., to Pennsalt Chemicals Corp. Electrolytic cell. 2,868,711, 1-13-59, Cl. 204-274.  
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Karry, Bert A. Attachment for fishing rods. 2,895,251, 7-21-59, Cl. 43-24.  
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Kasak, Antonin J., to Bendix Aviation Corp. Extrusion nozzle. 2,875,728, 3-3-59, Cl. 118-410.  
Kascher, Henry M., to Eastman Kodak Co. Method for producing beads. 2,908,041, 10-13-59, Cl. 18-47.2.  
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Caputa, John S., and Kask. 2,916,798.  
Kasmen, Edward J.: See—  
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Kasminsky, Stanley G.: See—  
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- Kass, Eric M., to Universal Leather Goods Co. Ltd. Mirror support. 2,878,725, 3-24-59, Cl. 88-97.
- Kass, Lawrence W., and P. D. Massey, to Grip Nut Co. Brake beam safety support. 2,880,826, 4-7-59, Cl. 188-210.
- Kass, Samuel M. Coffee mushroom. 2,882,811, 4-21-59, Cl. 99-312.
- Kass, Seymour, to Sperry Rand Corp. Tool. 2,906,013, 9-29-59, Cl. 29-278.
- Kass, Wilhelm: See—
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- Kassel, Henry W.: See—
- Hyland, Francis G., and Kassel. 2,869,807.
- Kassel, Louis S., and J. B. Pohlenz, to Universal Oil Products Co. Liquid-fluid contactor. 2,902,413, 9-1-59, Cl. 196-14.52.
- Kassick, Leonard R., to Grip Nut Co. Journal box lubricator. 2,909,395, 10-20-59, Cl. 308-88.
- Kassner, Donald E. Boot holder. 2,889,936, 6-9-59, Cl. 211-34.
- Kassner, Paul E. F., to North American Phillips Co., Inc. Synchronous motor. 2,912,609, 11-10-59, Cl. 310-156.
- Kassner, Paul E. F., and F. C. W. Slooff, to North American Phillips Co., Inc. Frequency converter. 2,878,439, 3-17-59, Cl. 321-63.
- Kast, George, W. E. Gilbert, and J. D. Scott, to Syntrol Co. Vibratory motor means having electronic constant amplitude feeder regulator. 2,885,617, 5-5-59, Cl. 318-128.
- Kastelic, Joseph: See—
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- Kastner, Donald E., to L. C. Thomson & Sons, Inc. Clamps. 2,897,569, 8-4-59, Cl. 24-279.
- Kastner, Edward C., to Akron Standard Mold Co. Reciprocating cutting with automatically interrupted feed. 2,895,550, 7-21-59, Cl. 164-48.
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- Gregersen, Christen H. 2,913,744.
- Kaszynski, Frank J., to J. S. Kamborian. Control valve for adhesive dispensing apparatus. 2,868,418, 1-13-59, Cl. 222-373.
- Kates, Charles, to Union Malleable Mfg. Co. Portable containers for pipe fittings and the like. 2,906,431, 9-29-59, Cl. 220-115.
- Kates, Rolf, to United States of America, Air Force. Photoelectric sine wave generator and system. 2,913,586, 11-17-59, Cl. 250-225.
- Kath, Alfred W., to R. P. Scherer Corp. Machine for making hard-shell gelatine capsules. 2,869,178, 1-20-59, Cl. 18-25.
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- Mashio, Fujio, and Kato. 2,910,415.
- Katon, Chris K. Mold and package for frozen confections. 2,890,122, 6-9-59, Cl. 99-180.
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- Kattner, Wilbur T., to United States of America, Atomic Energy Commission. Separation of tin from alloys. 2,899,295, 8-11-59, Cl. 75-64.
- Katz, Aaron J. Container with collapsible tray. 2,886,229, 5-12-59, Cl. 229-13.
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- Katz, Alexander. Modular construction kit. 2,904,927, 9-22-59, Cl. 46-19.
- Katz, David L., to United States of America, Army. Double expansion ball float gas system for a firearm. 2,872,851, 2-10-59, Cl. 89-193.
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- Katz, Leon, A. Fuerst, and R. E. Brouillard, to General Aniline & Film Corp. Pigment dispersions. 2,907,670, 10-6-59, Cl. 106-308.
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- Katz, Manfred, to E. I. du Pont de Nemours and Co. Polyureas of aromatic diamines and aromatic diisocyanates. 2,888,438, 5-26-59, Cl. 260-77.5.
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- Rosenberg, Norman W., and Katz. 2,884,310.
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- Katzbeck, Walter J.: See—
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- Katzenberg, Edgar M.: See—
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- Katzenberger, Bernhard, to Brown, Boveri & Cie. Aktiengesellschaft. Sealed motor-compressor unit. 2,898,032, 8-4-59, Cl. 230-139.
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- Katzschmann, Ewald, to Chemische Werke Witten Gesellschaft mit beschränkter Haftung. Process of producing esters of phthalic acids by oxidation of xylene and toluic acid ester mixtures. 2,894,978, 7-14-59, Cl. 260-475.
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- Kauer, Kenneth C., and H. R. Slaght, to The Dow Chemical Co. O-biphenyl O,O-dialkyl phosphorothioates. 2,885,429, 5-5-59, Cl. 260-461.
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- Kaufman, Harry E. Indicating means for use with plastering. 2,893,345, 7-7-59, Cl. 116-114.
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- Kayser, Bernard J., Jr. Alarm apparatus for motor vehicle operator. 2,875,430, 2-24-59, Cl. 340-279.
- Kayser, David L., to Union Carbide Corp. Leakage detector. 2,893,238, 7-7-59, Cl. 73-40.
- Kayser, Julius, and Co.: See—  
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- Kaysing, Carl C. Wire holder for flexible electric wires. 2,915,267, 12-1-59, Cl. 248-67.5.
- Kaz Mfg. Co., Inc.: See—  
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- Kazan, Benjamin: See—  
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- Kazenas, Zenon: See—  
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- Kazmierczak, Dyonizy. Rotary brush. 2,871,495, 2-3-59, Cl. 15-180.
- Kazmaler, Richard W., and G. Perry, to Libbey-Owens-Ford Glass Co. Shaping plastic sheets. 2,885,732, 5-12-59, Cl. 18-19.
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- Kearby, Kenneth K., to Esso Research and Engineering Co. Activated carbon-platinum-aluminum chloride hydroforming catalyst. 2,881,131, 4-7-59, Cl. 208-138.
- Kearby, Kenneth K., and I. Kirschenbaum, to Esso Research and Engineering Co. Hydrocracking of gas oils. 2,885,346, 5-5-59, Cl. 208-79.
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- Kearney, Joseph W., and W. H. Spencer, to Cutler-Hammer, Inc. Test apparatus. 2,868,978, 1-13-59, Cl. 250-36.
- Kearney, Thomas J.: See—  
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- Kearney & Trecker Corp.: See—  
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 Schmidt, Alfred O. 2,884,838.  
 Sedgwick, Robert K. 2,911,662.  
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- Kearns, Veronica. Composite soles for the manufacture of custom made shoes. 2,884,718, 5-5-59, Cl. 36-30.
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- Kearns, William J. L., to Polymer Corp. Ltd. Hood. 2,888,333, 5-26-59, Cl. 23-288.
- Kearns, William J. L., to Polymer Corp. Ltd. Method of starting up a dehydrogenation process. 2,911,453, 11-3-59, Cl. 260-080.
- Kearse, Myra S. Pocket calendar device with punch means. 2,868,293, 1-13-59, Cl. 164-85.
- Kearse, George P., to Flinn Mfg. Co. V. H. F. television antenna. 2,872,681, 2-3-59, Cl. 343-833.
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- Keathley, Ernest, Kinney, and Lanz. 2,901,808.
- Keathley, Maurice F., Sr., and R. O. Manspeaker. Conveyor apparatus for foodstuffs. 2,880,850, 4-7-59, Cl. 198-185.
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- Keating, David: See—  
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- Keating, Jerome V. Cigarette package. 2,904,169, 9-15-59, Cl. 206-41.
- Keating, John H., to Monarch Aluminum Mfg. Co. Method of melting aluminum ingots. 2,882,142, 4-14-59, Cl. 75-68.
- Keating, John H., to Monarch Aluminum Mfg. Co. Grinding and polishing machine. 2,896,378, 7-28-59, Cl. 51-145.
- Keating Mfg. Corp.: See—  
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- Keating, Marion M., to Keating Mfg. Corp. Method of making sealed metallic containers. 2,900,712, 8-25-59, Cl. 29-422.
- Keating, Richard T. Toy igloo. 2,879,553, 3-31-59, Cl. 20-2.
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- Keating, William T., and A. Richter, to Sperry-Rand Corp., Ford Instrument Co. Division. Device for determining liquid level and interface position. 2,911,828, 11-10-59, Cl. 73-290.
- Kebbon, Earl R.: See—  
 Lamb, Anthony H., and Kebbon. 2,904,996.
- Keblich, Leonard M., and A. W. Stroebel, to National Lead Co. Process for the manufacture of stabilizer-plasticizer compositions. 2,874,062, 2-17-59, Cl. 106-262.
- Kebrle, Jindrich: See—  
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- Keck, Jack B., to Curtis Companies Inc. Cabinet construction. 2,874,015, 2-17-59, Cl. 312-263.
- Keck, Johannes, to Dr. Karl Thomae, G. m. b. H. Bifidogenic compositions. 2,872,382, 2-3-59, Cl. 195-100.
- Keck, Karl, to L. Schuler, A. G. Displaceable die holder for power press. 2,880,867, 4-7-59, Cl. 207-1.
- Keck, William J., to United States of America, Navy. Sustainer exhaust gas deflector. 2,871,658, 2-3-59, Cl. 60-35.6.
- Keel, Leland M., to Air Reduction Co., Inc. Welding rods and method of making same. 2,870,047, 1-20-59, Cl. 117-202.
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- Keefe, Bernard T. Educational apparatus for demonstrating gravitational effects. 2,913,834, 11-24-59, Cl. 35-19.
- Keefe, Frank J., Jr., to Farrington Mfg. Co. Armrest. 2,914-119, 11-24-59, Cl. 155-198.
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- Keefe, George E., to Owens-Illinois Glass Co. Apparatus for blanket charging glass batch in a glass furnace. 2,910,194, 10-27-59, Cl. 214-18.
- Keefe, George E., to Owens-Illinois Glass Co. Apparatus for blanket charging glass batch in a glass furnace. 2,910,196, 10-27-59, Cl. 214-18.2.
- Keefe, George E., to Owens-Illinois Glass Co. Method for blanket charging glass batch in a glass furnace. 2,910,199, 10-27-59, Cl. 214-152.
- Keefe, George E., to Owens-Illinois Glass Co. Bearing structure with gas-tight seal. 2,915,342, 12-1-59, Cl. 308-77.
- Keegan, Frank X.: See—  
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- Keegin, Curtis W. Vehicular signal system. 2,897,479, 7-28-59, Cl. 340-74.
- Keehn, Frank X. Wrecking bar. 2,910,271, 10-27-59, Cl. 254-129.
- Keehn, Robert D.: See—  
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- Keehn, George R., and J. G. Moorhead, to United States of America, Army. Setting mechanism. 2,881,634, 4-14-59, Cl. 74-479.
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- Keehn, Robert D.: See—  
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- Keel, Adolf, to Vickers Inc. Servo control for power transmission. 2,870,746, 1-27-59, Cl. 121-41.
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- Reid, Eric W. 2,907,450.
- Keeler Brass Co.: See—  
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- Keeler, John R.: See—  
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- Keeler, Le Roy H.: See—  
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- Keelerie, George F., and L. A. Williams, Jr.; said Williams assor. to said Keelerie. Dressing of abrasive tools. 2,905-605, 9-22-59, Cl. 204-143.
- Keeley, Armand E.: See—  
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- Kee Lox Mfg. Co.: See—  
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- Keely, Clifford D., 1/4 to R. J. Balsley. Machine for adhesively joining two surfaces. 2,898,816, 8-11-59, Cl. 93-36.
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- Keen, Clifford P. Wrestling helmet. 2,898,596, 8-11-59, Cl. 2-3.
- Keen, Everett M., and A. J. Siciliano, to Keen Mfg. Corp. Multiple nest structure for poultry. 2,892,447, 6-30-59, Cl. 119-45.

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- Keen, Harold H., to International Computers and Tabulators Ltd. Record controlled conveyor systems. 2,909,128, 10-20-59, Cl. 104-88.
- Keen Mfg. Corp.: See—  
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- Keen, William R., and E. J. Grajeck, to Collins & Alkman Corp. Coated textile material and method of making same. 2,908,013, 10-13-59, Cl. 2-278.
- Keenan, John D., Jr.: See—  
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- Keene, Paul A.: See—  
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- Keene, Lester E., by T. Keene, executrix, to Underwood Corp. Carriage overbanking elimination. 2,897,942, 8-4-59, Cl. 197-63.
- Keene, Thelma: See—  
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- Keener, Dale M., to United States of America, Navy. Horizontal shock machine. 2,907,201, 10-6-59, Cl. 73-12.
- Keener, Howard N. Contact jaw assembly for electric welding. 2,900,459, 8-18-59, Cl. 219-136.
- Keener, Robert L. Right angle printed circuit connector. 2,910,628, 10-27-59, Cl. 317-101.
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- Kees, George, Jr. Sub-level cutting tool. 2,876,777, 3-10-59, Cl. 128-304.
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- Keese, Beverly W., to Rockwell Standard Corp. Tandem drive axle assembly with straight line through line drive connection. 2,870,855, 1-27-59, Cl. 180-22.
- Keese, Beverly W., to The Rockwell-Standard Corp. Tandem axle drive and lubricating means therefor. 2,870,854, 1-27-59, Cl. 180-22.
- Keese, Beverly W., and J. E. Williams, to Rockwell-Standard Corp. Vehicle drive mechanism. 2,915,920, 12-8-59, Cl. 74-701.
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- Kegerise, Wesley R., and G. B. Herdt, to The Carpenter Steel Co. High temperature alloy steel. 2,875,042, 2-24-59, Cl. 75-126.
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- Kehe, Henry J.: See—  
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- Kehler, Theodor K., to Hoerbiger & Co. Annular plate valve. 2,870,783, 1-27-59, Cl. 137-516.13.
- Kehm, Paul H., and W. F. Schultz, to General Motors Corp. Electric fuel pump system. 2,912,595, 11-10-59, Cl. 290-36.
- Kehoe, Ellsworth A.: See—  
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- Kehoe, John A. C.: See—  
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- Kehoe, Thomas J. Coffee makers. 2,868,110, 1-13-59, Cl. 99-299.
- Kehoe, William R., to American Meter Co., Inc. Gas pressure regulator. 2,898,928, 8-11-59, Cl. 137-80.
- Kehr, Abraham B., to Kehr Products Co. Compartmented package. 2,917,164, 12-15-59, Cl. 206-47.
- Kehr, Clifton L., to E. I. du Pont de Nemours and Co. Zinc halide complexes of 2-mercapto- and 2,2'-dithiobis-benzothiazole. 2,868,798, 1-13-59, Cl. 260-299.
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- Keldel, Frederick A.: *See*—  
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- Keldel, Frederick A., to E. I. du Pont de Nemours and Co. Coulometric reagent generation. 2,900,317, 8-18-59, Cl. 204-195.
- Keighley, Lloyd M., to General Motors Corp. Ice block releaser and storage bucket. 2,903,865, 9-15-59, Cl. 62-344.
- Keightley, George M., to Jarvis Mfg., Inc. Automatic choke for shotguns. 2,867,932, 1-13-59, Cl. 42-79.
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- Kell, Henry P., to The Fixture Hardware Corp. Combined moistening and contact pressure control for liquid process duplicating machines. 2,867,169, 1-6-59, Cl. 101-132.5.
- Kell, Joseph W., to Dow Corning Corp. Process of bonding polysiloxanes to a surface and the resulting product. 2,902,389, 9-1-59, Cl. 117-72.
- Kellig, Wolfgang, to Mix & Genest Akt. Marking device for edge-wise conveyor systems. 2,891,467, 6-23-59, Cl. 101-2.
- Kelm, Gerald I., to Hercules Powder Co. Cationic-modified urea-formaldehyde resins. 2,884,407, 4-28-59, Cl. 260-67.5.
- Kelm, Paul T., and R. C. Treseder, to General Motors Corp. Anti-skid hydraulic brake system. 2,869,687, 1-20-59, Cl. 188-181.
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- Keir and Cawder Ltd.: *See*—  
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- Keith, Carl D., to Engelhard Industries, Inc. Process for preparing alumina trihydrate. 2,874,130, 2-17-59, Cl. 252-466.
- Keith, Carl D., to Sinclair Refining Co. Method for preparing aluminum hydrate compositions. 2,898,307, 8-4-59, Cl. 252-463.
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- Keith, Carl D., to Engelhard Industries, Inc. Method of preparing platinum-alumina catalyst. 2,914,485, 11-24-59, Cl. 252-441.
- Keith, Carl D., and A. P. Huel, to Engelhard Industries, Inc. Process for preparing alumina catalyst compositions. 2,867,588, 1-6-59, Cl. 252-466.
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- Keith, Donald G. Method of and apparatus for packaging flowable materials in thermoplastic sheet material. 2,898,714, 8-11-59, Cl. 53-30.
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- Keith, Percival C.: *See*—  
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- Chervenak, Michael C., Keith, and Pichler. 2,891,006.
- Keith, Percival C., to Hydrocarbon Research, Inc. Fluidized solids refluxing in hydrocarbon conversions. 2,885,342, 5-5-59, Cl. 208-59.
- Keith, Percival C., and F. Ringer, to Hydrocarbon Research, Inc. Coal hydrogenation. 2,885,337, 5-5-59, Cl. 208-8.
- Keith, Percival C., and H. N. Woebecke, to Hydrocarbon Research, Inc. Iron oxide reduction. 2,900,246, 8-18-59, Cl. 75-26.
- Keith, Ted W. Keyhole lighting fixture. 2,914,656, 11-24-59, Cl. 240-213.
- Keith, Wayland D.: *See*—  
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- Keith, Wayland D., and J. V. Hollowell; said Hollowell assor. to said Keith. Fluid coupled load braking apparatus. 2,883,013, 4-21-59, Cl. 192-2.
- Keith, Willis C., to Sinclair Refining Co. Thermal process for preparing butadiene from butene-2. 2,873,301, 2-10-59, Cl. 260-680.
- Keith, Willis C., to Sinclair Refining Co. Preparation of glycerol triesters. 2,911,437, 11-3-59, Cl. 260-491.
- Keizer, Eugene O.: *See*—  
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- Keizer, Eugene O., to Radio Corp. of America. Color television switching circuits. 2,873,406, 2-10-59, Cl. 315-26.
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- Kekenak, Charles, to General Steel Products Corp. Partition structures. 2,915,151, 12-1-59, Cl. 189-34.
- Kelbel, Donald W., to Borg-Warner Corp. Two path power flow turbine transmission. 2,874,590, 2-24-59, Cl. 74-688.
- Kelbel, Donald W., to Borg-Warner Corp. Valving controls. 2,877,668, 3-17-59, Cl. 74-788.
- Kelbel, Donald W., to Borg-Warner Corp. Transmission. 2,896,479, 7-28-59, Cl. 74-781.
- Kelchner, Harley E., to Burroughs Corp. Sheet feeding apparatus. 2,910,293, 10-27-59, Cl. 271-52.
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- McNeely, William H., and O'Connell. 2,902,479.
- Miller, Aaron, and Magnuson. 2,913,364.
- Kelco Engineering Ltd.: *See*—  
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- Kelemen, Frank K., to KSM Products, Inc. Flux-charged arc welding studs. 2,885,228, 5-5-59, Cl. 287-20.2.
- Kellite Corp.: *See*—  
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- Kell, Waldo R., to Cen-Vi-Ro Pipe Corp. Anchor lug for pipe tension wire. 2,887,130, 5-19-59, Cl. 138-84.
- Kelleigh, Waldo J., to Electrical Apparatus Co., Inc. Clutch actuating device. 2,876,882, 3-10-59, Cl. 192-98.
- Keller, Alexander, to Hartmann & Braun Aktiengesellschaft. Compressed gas condenser. 2,900,585, 8-18-59, Cl. 317-244.
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- Keller, Dan W., to Calumet Mfg. Co. Print washer. 2,877,700, 3-17-59, Cl. 95-97.
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- Keller, James L., to Union Oil Co. of California. Hydrocarbon separation process. 2,914,455, 11-24-59, Cl. 208-23.
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- Keller, John H., to General Motors Corp. Clutch operating mechanism. 2,882,744, 4-21-59, Cl. 74-512.
- Keller, Henry R. Circular lettering guide. 2,886,891, 5-19-59, Cl. 33-23.
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- Keller, Herbert R.: *See*—  
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- Keller, Karl L. Precision parallel gauge. 2,867,909, 1-13-59, Cl. 33-162.
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- Keller, Robert R. Panel joints and panel joining devices. 2,888,112, 5-26-59, Cl. 189-36.
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- Zinke-Allmann, Leichte, Von Bank, and Keller. 2,905,598.
- Keller, Seymour P., to International Business Machines Corp. Low voltage indicator. 2,910,648, 10-27-59, Cl. 324-94.
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- Keller, William J., to E. I. du Pont de Nemours and Co. Rosinate dispersing agents in chloroprene polymerization. 2,914,497, 11-24-59, Cl. 260-27.
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- Kellersman, Robert: *See*—  
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- Kelley, Benjamin F. Hydraulic pipe tonging device. 2,871,743, 2-3-59, Cl. 81-53.
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- Kelley, Charles A.: *See*—  
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- Kelley, Curtis P., to General Motors Corp. Refrigerating apparatus. 2,899,256, 8-11-59, Cl. 312-296.
- Kelley, Daniel J., and S. E. Lanham, to General Foods Corp. Coconut treating process and product. 2,917,745, 12-15-59, Cl. 99-125.
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- Kelley, Fred W., Jr., to General Electric Co. Saturable core transformer. 2,870,397, 1-20-59, Cl. 323-56.
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- Kelley, George B. Flexible conveyor. 2,880,847, 4-7-59, Cl. 194-109.
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- Kelley, Gilbert A., to Surface Combustion Corp. Conditioning method and apparatus. 2,881,853, 4-14-59, Cl. 183-2.
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- Kelley, James H., and J. E. Eberhardt, to Bethlehem Steel Co. Coke gas and tar firing of open hearths. 2,891,609, 6-23-59, Cl. 158-117.5.
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- Kelley, John J. Protective covering for metals. 2,918,389, 12-22-59, Cl. 117-68.
- Keller, Leon P. Safety hook. 2,872,717, 2-10-59, Cl. 24-282.
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- Kelley, Oliver K., to General Motors Corp. Transmission control system. 2,875,643, 3-3-59, Cl. 74-645.
- Kelley, Oliver K., to General Motors Corp. Hydraulic torque converter. 2,882,684, 4-21-59, Cl. 60-54.
- Kelley, Oliver K., to General Motors Corp. Transmission. 2,882,751, 4-21-59, Cl. 74-677.
- Kelley, Oliver K., to General Motors Corp. Plural step transmission. 2,884,813, 5-5-59, Cl. 74-754.
- Kelley, Oliver K. Automatic plural transmissions. 2,889,717, 6-9-59, Cl. 74-710.
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- Kelley, Oliver K., to General Motors Corp. Viscosimeter type governors. 2,906,518, 9-29-59, Cl. 264-14.
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- Kelley, Oliver K., to General Motors Corp. Hydrodynamic system for liquid cooled friction brakes. 2,917,137, 12-15-59, Cl. 188-264.
- Kelley, Oliver K., G. K. Hause, and C. C. Wrigley, to General Motors Corp. Windshield cleaning apparatus. 2,882,545, 4-21-59, Cl. 15-250.4.
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- Kelley, Walter A., and R. D. Mohler, to Motorola, Inc. Electronic horn. 2,910,688, 10-27-59, Cl. 340-384.
- Kelley, William B.: *See*—  
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- Kelling, Leroy U. C., to General Electric Co. Follow-up control system. 2,870,386, 1-20-59, Cl. 318-30.
- Kelling, Leroy U. C., to General Electric Co. Position control system and device. 2,905,874, 9-22-59, Cl. 318-28.
- Kellinger, John. Game apparatus. 2,872,194, 2-3-59, Cl. 273-127.
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- Kellner, Jackson M., and J. M. Camp, to Jersey Production Research Co. Junk basket. 2,906,341, 9-29-59, Cl. 166-99.
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- Kellogg, Charles T., to Clemson Bros., Inc. Shuttle-pin clutch drive mechanism for lawn mowers. 2,905,294, 9-22-59, Cl. 192-46.
- Kellogg, Charles W. Gate valve. 2,891,762, 6-23-59, Cl. 251-327.
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 Kelto, Rudolph E., to Cutler-Hammer, Inc. Electromagnetic control device. 2,886,669, 5-12-59, Cl. 200-104.  
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 Kendall, Thomas L., and G. A. Rowls, to General Motors Corp. Storage battery. 2,890,262, 6-9-59, Cl. 136-170.  
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- Kennedy, John W., and J. R. Dublin, III, to Jersey Production Research Co. Seating member for well tools. 2,897,896, 8-4-59, Cl. 166-134.
- Kennedy, Absalom M., and J. M. Jernigan. Process and apparatus for electrolytically treating black liquor. 2,905,604, 9-22-59, Cl. 204-56.
- Kennedy, Anthony, Jr., L. J. Adams, H. L. Kirby, and G. J. Steinbrunn, to John B. Stetson Co. Hat felting machine. 2,892,242, 6-30-59, Cl. 28-8.
- Kennedy, Bert S.: See—
- Kennedy, Robert E. 2,877,455.
- Kennedy, Charles J., to F. L. Moseley Co. Servo system. 2,881,375, 4-7-59, Cl. 318-28.
- Kennedy, Daniel T., and F. E. Heiberger, to Danly Machine Specialties, Inc. Servosystem adapted for die-forming press slide positioning. 2,889,507, 6-2-59, Cl. 318-29.
- Kennedy, Donald S. Self-sustaining building unit and wall. 2,918,151, 12-22-59, Cl. 189-34.
- Kennedy, Ernest N. Change key lock. 2,895,323, 7-21-59, Cl. 70-383.
- Kennedy, Frank J., to H. K. Porter Co., Inc. Header duct with outlet for cellular flooring. 2,894,534, 7-14-59, Cl. 138-48.
- Kennedy, Frank J., to H. K. Porter Co., Inc. Metal thread protector. 2,898,943, 8-11-59, Cl. 138-96.
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- Kennedy, Harold T. Impact tools operated by compressible pressure fluid. 2,897,782, 8-4-59, Cl. 121-30.
- Kennedy, Herbert J.: See—
- Adams, John J., and Kennedy. 2,867,332.
- Kennedy, Jack H.: See—
- Farnsworth, Walter M., and Kennedy. 2,913,786.
- Kennedy, Jack W., and J. A. Ransom. Detachable safety guard for bathing table. 2,869,949, 1-20-59, Cl. 311-103.
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- Kennedy, John H. Synthetic carpeting. 2,876,128, 3-3-59, Cl. 117-33.
- Kennedy, John L., R. C. Travis, and B. Wellman. Alertness indicator. 2,902,030, 9-1-59, Cl. 128-21.
- Kennedy, Joseph W.: See—
- Segre, Emilio, Kennedy, and Seaborg. 2,908,621.
- Kennedy, Leo. Beverage dispenser. 2,872,078, 2-3-59, Cl. 222-131.
- Kennedy, Paul B.: See—
- Ashbaugh, Fred E., and Kennedy. 2,897,461.
- Kennedy, Richard H., to United States of America, Atomic Energy Commission. Elution of uranium values from ion exchange resins. 2,914,378, 11-24-59, Cl. 23-14.5.
- Kennedy, Richard R.: See—
- Genter, Albert L., and R. R. and R. M. Kennedy. 2,893,957.
- Kennedy, Richard T., to Ekco Products Co. Pusher member assembly for strip type vegetable cutters. 2,911,023, 11-3-59, Cl. 146-169.
- Kennedy, Robert E., 40% to B. S. Kennedy. Speed indicator alarm system. 2,877,455, 3-10-59, Cl. 340-266.
- Kennedy, Robert M.: See—
- Donnell, Conrad K., Kennedy, and Schneider. 2,890,994.
- Genter, Albert L., and R. R. and R. M. Kennedy. 2,893,957.
- Kennedy, Robert M., to Sun Oil Co. Process of catalytic cracking with a siliceous catalyst containing lithium hydroxide. 2,891,904, 6-23-59, Cl. 208-118.
- Kennedy, Robert M., and J. L. Jezl, to Sun Oil Co. Polymerization of propylene using a three component catalyst containing solid metal halides and aluminum. 2,918,507, 12-22-59, Cl. 260-683.15.
- Kennedy, Ted, Jr. Casing spacer. 2,890,724, 6-16-59, Cl. 138-65.
- Kennedy, Thomas J.: See—
- Reynolds, William B., Wicklatz, and Kennedy. 2,908,665.
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- Kennedy, Thomas J., and J. L. Holst, to Phillips Petroleum Co. Blend of butadiene-styrene copolymer and butadiene-unsaturated heterocyclic nitrogen base copolymer and method of producing the cured product thereof. 2,893,971, 7-7-59, Cl. 260-45.5.
- Kennedy Van Sann Mfg. & Eng. Corp.: See—
- Allen, Alan R. 2,888,324.
- Caldwell, Lawrence G. 2,907,806.
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- Laboulais, Jean L. 2,883,173.
- Kennedy, Wallace M.: See—
- Fisher, Walter S., and Kennedy. 2,886,022.
- Kennedy, Walter I. Disposable separable lock for safety pins. 2,895,196, 7-21-59, Cl. 24-156.
- Kennedy, Walter W., to Barber-Colman Co. Air distribution unit. 2,872,859, 2-10-59, Cl. 98-38.
- Kennedy, Walter W., to Barber-Colman Co. Air mixing damper. 2,891,576, 6-23-59, Cl. 137-613.
- Kennedy, William C. Key-operated fire hydrant. 2,869,576, 1-20-59, Cl. 137-296.
- Kennedy, William J.: See—
- Allen, Robert E., and Kennedy. 2,879,632.
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- Carroll, Murray N., and Kennedy. 2,912,298.
- Kennedy, William P. Control for headlight beam switches. 2,900,570, 8-18-59, Cl. 315-83.1.
- Kennedy, William, & Sons Ltd., The: See—
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- Sandison, Alexander G. 2,900,077.
- Kennelly, Harry W., Jr.: See—
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- Kenner, Mary B. Sanitary belt with moisture proof napkin pocket. 2,881,761, 4-14-59, Cl. 128-289.
- Kennerley-Taylor, Horace, to Minister of Supply, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Trigger mechanism for firearms. 2,909,100, 10-20-59, Cl. 89-140.
- Kennerty, Thomas H. Attachment for saw grinding machines. 2,867,953, 1-13-59, Cl. 51-168.
- Kennedy, Clarence E., to Allis-Chalmers Mfg. Co. Elastic fluid turbine two speed drive arrangement. 2,910,894, 11-3-59, Cl. 74-812.
- Kennedy, Harold E.: See—
- Wall, Monroe E., and Kennedy. 2,895,953.
- Kennedy, James C. Suit-hanger adapter. 2,876,939, 3-10-59, Cl. 223-88.
- Kennedy, James T. Paint can holder. 2,911,016, 11-3-59, Cl. 141-328.
- Kennedy, John T., and S. E. Gamarekian, to General Electric Co. Combustion system for jet engine starters. 2,873,577, 2-17-59, Cl. 60-39.14.
- Kennedy, John W., Jr. Game. 2,905,472, 9-22-59, Cl. 273-129.
- Kennedy Mfg. Co.: See—
- Cameron, Warren B. S. 2,918,245.
- Kennedy, Nolan. Automobile seat. 2,903,043, 9-8-59, Cl. 155-5.
- Kennedy, Robert W. Valve mechanism. 2,872,935, 2-10-59, Cl. 137-172.
- Kennedy, Robert W., to Stanley G. Harwood. Valve mechanism for diverse fluids. 2,907,340, 10-6-59, Cl. 137-188.
- Kennedy, William D., to Columbus Iron Works Co., Southern Plov Co. Division. Cultivating attachment. 2,876,852, 3-10-59, Cl. 72-42.
- Kenny, Charles R.: See—
- Flower, Robert A., and Kenny. 2,914,764.
- Kenny, Charles R., to General Precision Laboratory Inc. Pulse generator. 2,885,554, 5-5-59, Cl. 250-36.
- Kenny, Leslie W. Invisible auxiliary trousers and skirt belt. 2,896,220, 7-28-59, Cl. 2-319.
- Kenny, Morris: See—
- Gruettner, Gerhard G., Church, and Kenny. 2,910,390.
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- Fischer, Paul W., Kenny, and Scheffel. 2,903,407.
- Kenoslan, Harry, E. Self, and D. A. Starr, Jr., to Burroughs Corp. Magnetic recording system. 2,876,058, 3-3-59, Cl. 346-74.
- Kenrich, Chester M., and B. L. Crew, to United States of America, Atomic Energy Commission. Binary excess-3 converter. 2,877,447, 3-10-59, Cl. 340-173.
- Kensel, Raymond J.: See—
- Bakos, Joseph A., McGuire, and Kensel. 2,868,042.
- Kent, Allen H. Automatic sound reproducing device. 2,893,738, 7-7-59, Cl. 274-9.
- Kent, Allen H., to Minutone, Inc. Miniature motor. 2,894,156, 7-7-59, Cl. 310-154.
- Kent, Brian E.: See—
- Sorensen, Knud B., and Kent. 2,886,113.
- Sorensen, Knud B., and Kent. 2,900,031.
- Kent, Donald W.: See—
- Selfert, William C. 2,890,575.
- Kent, Eugene A., and L. J. Sacco, Jr., to National Aluminate Corp. Antistripping agents for bituminous materials. 2,901,370, 8-25-59, Cl. 106-123.
- Kent, Francis J. Extrusion handling device. 2,914,170, 11-24-59, Cl. 207-1.
- Kent, Hans F. Pants protector. 2,906,038, 9-29-59, Cl. 36-2.
- Kent Mfg. Corp.: See—
- Batcheller, Hugh W. 2,872,658.
- Batcheller, Hugh W. 2,878,854.
- Kent, Maurice E. Heel rest for an accelerator. 2,915,917, 12-8-59, Cl. 74-564.
- Kent-Moore Organization, Inc.: See—
- Bennett, Clifford H. 2,874,457.
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- Kent, R. O., Co.: See—
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- Kent, Robert E.: See—
- Lambrecht, Joseph A., Hensley, Kent, and Lynch. 2,902,402.
- Kent, Russell R. Quiver for arrows. 2,908,432, 10-13-59, Cl. 224-5.
- Kent, Sheldon E., to Hodag Chemical Corp. Crystallizing of sugars. 2,871,148, 1-27-59, Cl. 127-58.
- Kent, Stephen D.: See—
- Crane, Samuel P., and Kent. 2,895,543.
- Kentucky-Ohio Products Corp.: See—
- Lanier, Lewis H., Sr., Lewis H. Lanier, Jr., and Dawson. 2,870,588.
- Kentucky Research Foundation, The: See—
- Clore, Thomas H., and Carter. 2,881,497.
- Griffith, Robert B. 2,909,469.
- Kenworth Motor Truck Co., Division of Pacific: See—
- Norrie, Robert C. 2,891,786.
- Kenworthy, Charles C. Lip actuation of dummies by electrical signals. 2,890,535, 6-16-59, Cl. 40-28.3.

- Kenyon, Alonzo F., to Westinghouse Electric Corp. Excitation of dynamo-electric machines. 2,871,435, 1-27-59, Cl. 318-308.
- Kenyon, Arthur D. Means and method for assisting the birth of a child. 2,917,050, 12-15-59, Cl. 128-361.
- Kenyon, David E., to Sperry Rand Corp. Decoder circuit for teletype system. 2,884,523, 4-28-59, Cl. 250-27.
- Kenyon, George W., to Frink Sno-Plows, Inc. Tripping devices for snow plows. 2,877,573, 3-17-59, Cl. 37-42.
- Kenyon Laboratories, Inc.: See—
- Kenyon, Theodore W. 2,871,699.
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- Hillard, George O., Jr., and Kenyon. 2,913,504.
- Hochgraf, Norman N., Kenyon, and Langer. 2,908,671.
- McLean, Lawrence W., and Kenyon. 2,867,670.
- Kenyon, Phillip, to Automatic Telephone & Electric Co. Ltd. Telegraph receivers. 2,901,541, 8-25-59, Cl. 178-88.
- Kenyon, Roger B., to Eastman Kodak Co. Method of manufacturing sheeting material. 2,878,521, 3-24-59, Cl. 18-57.
- Kenyon, Theodore W., to Kenyon Laboratories, Inc. Indicating instrument for helicopters or the like. 2,871,699, 2-3-59, Cl. 73-178.
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- Kenyon, William, & Sons Inc.: See—
- Butcher, Oswald E. 2,879,639.
- Kenyon, William A. 2,894,396.
- Whitehead, Stanley. 2,892,302.
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- Kenzinger, Louis-Charles: See—
- Folliot, Albert E. J., and Kenzinger. 2,869,849.
- Keogh, Raymond J.: See—
- Burr, Robert P., and Keogh. 2,874,211.
- Keohane, Maurice J. Gramophone pick-ups. 2,868,892, 1-13-59, Cl. 179-100.41.
- Keonjian, Edward, to General Electric Co. Direct-coupled transistor amplifiers. 2,876,297, 3-3-59, Cl. 179-171.
- Keough, Frank J. Inflatable retention catheter. 2,912,981, 11-17-59, Cl. 128-349.
- Kephart, John W., Jr. Article stacking apparatus. 2,881,000, 4-7-59, Cl. 271-68.
- Kepkay, Leslie L., to Massey-Ferguson Inc. Bagger attachment for combines. 2,885,120, 5-5-59, Cl. 222-76.
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- Kenner, Hugh G. Hydraulic clutch operating mechanism. 2,873,834, 2-17-59, Cl. 192-81.
- Keppel, Ernst, to Joh. Vaillant K.G. Water flow regulator for water heater. 2,901,175, 8-25-59, Cl. 236-25.
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- Smee, Peter G., and Ker. 2,882,339.
- Kerby, Lawrence L. Two speed cam shaft. 2,871,837, 2-3-59, Cl. 123-90.
- Kerce, Woodrow. Insignia assemblies. 2,867,924, 1-13-59, Cl. 40-15.
- Kerecman, Michael, and R. W. Braund, to Jones & Laughlin Steel Corp. Reversible idler for conveyor belts. 2,909,272, 10-20-59, Cl. 198-202.
- Kerfoot, Franklin W., to Burroughs Corp. Band clutch. 2,878,684, 3-24-59, Cl. 74-222.
- Kerfoot, Franklin W., Jr.: See—
- Hebeler, Charles B., Kerfoot, and Weidenhammer. 2,915,911.
- Kerker, Richard, and L. A. Martin, to Douglas Aircraft Co., Inc. Stability control device for aircraft. 2,885,161, 5-5-59, Cl. 244-42.
- Kerkhoff, Franz: See—
- Glanthor, Paul, and Kerkhoff. 2,876,400.
- Kerkpillet, Ferdinand G. Conveyor with simultaneously controlled feeding openings. 2,907,500, 10-6-59, Cl. 222-311.
- Kerley, Bernard J., Jr. Method and apparatus for producing ammonium salts. 2,902,342, 9-1-59, Cl. 23-107.
- Kerlev, James J., Jr.: See—
- Hartenstein, Raymond G., and Kerlev. 2,873,109.
- Kerley, James J., Jr., and R. M. Sando, to Westinghouse Electric Corp. Shock and vibration isolator. 2,913,215, 11-17-59, Cl. 248-358.
- Kerley, Paul L., to United States of America, Atomic Energy Commission. Circular cavity slot antenna. 2,867,803, 1-6-59, Cl. 343-769.
- Kerlie, Walter L., to United States Steel Corp. Surface blowing process for making steel. 2,900,249, 8-18-59, Cl. 75-60.
- Kerman, Ernest. Filling can for use with valued fountain pen. 2,868,172, 1-13-59, Cl. 120-46.
- Kern, Arthur H.: See—
- Ajonelo, Davis J. 2,910,026.
- Kern, Edward A.: See—
- McCandless, William, and Kern. 2,910,232.
- Kern, Emil: See—
- Baumann, Hans, and Kern. 2,872,449.
- Brunkhorst, Wilhelm, Kern, and Baumann. 2,906,588.
- Kern, George R., to Bowen & Co., Inc. Rotary dental tool. 2,871,562, 2-3-59, Cl. 32-27.
- Kern, Raymond T., Jr.: See—
- Gottshall, Ralph I., and Kern. 2,902,499.
- Kern, Robert D., to Electric Control Corp. Constant frequency variable input speed alternator apparatuses. 2,891,213, 6-16-59, Cl. 322-42.
- Kern, Rudolf, and W. N. Grohs, to Rhein-Chemie G.m.b.H. Process for the manufacture of finely porous butadiene-styrene copolymers. 2,891,016, 6-16-59, Cl. 260-2.5.
- Kern, Rudolf, W. N. Grohs, and F. Blumel, to Rhein-Chemie G.m.b.H. Manufacture of finely porous materials using nitrosamine as gas evolving agent. 2,891,017, 6-16-59, Cl. 260-2.5.
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- Kern, Walter: See—
- Wegmann, Jacques, Kern, and Jenny. 2,888,312.
- Kern, Werner, and G. Dall' Asta, to Hercules Powder Co. Process for making diallylidene pentaerythritol copolymers. 2,902,476, 9-1-59, Cl. 260-78.5.
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- Kerner, Charles A., to Northrop Aircraft, Inc. Gyroscopic top. 2,871,705, 2-3-59, Cl. 74-5.7.
- Kerns, Fred R.: See—
- Young, Charles A., and Kerns. 2,873,770.
- Kerns, Fred W.: See—
- Barrett, Robert F., and Kerns. 2,872,211.
- Kerns, Gordon D., to Standard Oil Co. Production of low cold-test oils by urea dewaxing. 2,911,350, 11-3-59, Cl. 208-25.
- Kerns Mfg. Corp.: See—
- Auman, Reiner J., and Meyerhoff. 2,891,358.
- Kerns, Quentin A.: See—
- Baker, William R., Kerns, and Riedel. 2,868,974.
- Kerns, Quentin A., to United States of America, Atomic Energy Commission. Low-level direct current amplifier. 2,885,406, 5-5-59, Cl. 179-171.
- Kerns, Quentin A., to United States of America, Atomic Energy Commission. Method and apparatus for determining charged particle motion. 2,897,605, 8-4-59, Cl. 35-19.
- Kerpehar, Michael, to Bendix Aviation Corp. Aircraft elevator controls during turns. 2,883,128, 4-21-59, Cl. 244-77.
- Kerr, Charles E.: See—
- Anderson, Gerald R., Hayes, Kerr, and Newburn. 2,872,017.
- Kerr, Charles E., to Food Machinery and Chemical Corp. Carton filling apparatus. 2,904,945, 9-22-59, Cl. 53-124.
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- Kerr, David C., and S. K. Kifer, to United States Steel Corp. Apparatus for handling pipe or the like. 2,873,840, 2-17-59, Cl. 198-28.
- Kerr, Fred S., to Holley Carburetor Co. Electronic speed governor. 2,908,264, 10-13-59, Cl. 123-102.
- Kerr, Gerald E., to United States of America, Atomic Energy Commission. Dimension measuring optical sighting device. 2,897,718, 8-4-59, Cl. 88-14.
- Kerr, John C.: See—
- Wright, George W., and Kerr. 2,910,080.
- Kerr Mfg. Co.: See—
- Rabehuk, Alexander. 2,878,129.
- Kerr-McGee Oil Industries, Inc.: See—
- Garwin, Leo. 2,904,527.
- Goren, Mayer B. 2,886,550.
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- Goren, Mayer B., Pickell, and Garwin. 2,911,373.
- Pickell, Marion W. 2,909,441.
- Wolfe, James D. 2,919,245.
- Kerr, Ralph L. Non-rotatable expansion coupling. 2,890,066, 6-9-59, Cl. 285-67.
- Kerr, Ralph W., to Corn Products Co. Paper size and method of preparation. 2,903,391, 9-8-59, Cl. 162-175.
- Kerr, Ralph W., and F. C. Cleveland, Jr., to Corn Products Co. Orthophosphate esters of starch. 2,884,413, 4-28-59, Cl. 260-233.5.
- Kerr, Wallace E. Method of drawing tubes. 2,886,170, 5-12-59, Cl. 205-8.
- Kerr, Wallace E. Draw buggy. 2,917,161, 12-15-59, Cl. 205-3.
- Kerr, Wayne, Laboratories Ltd., The: See—
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- Kerschner, Paul M., and B. W. Greenwald, to Cities Service Research and Development Co. Carbon functional organo-siloxane dibasic acid esters. 2,907,783, 10-6-58, Cl. 260-448.2.
- Kerschner, Paul M., and B. W. Greenwald, to Cities Service Research and Development Co. Carbon functional siloxane polyesters. 2,916,507, 12-8-59, Cl. 260-448.2.
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- Kersh, Ronald C. Fluid check valve. 2,912,999, 11-17-59, Cl. 137-512.4.



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- Kershaw Mfg. Co., Inc.: See—  
Fox, Herbert C., and Franklin. 2,887,135.  
Kershaw, Royce. 2,869,159.  
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Kershaw, Royce G. 2,869,476.
- Kershaw, Peter L.: See—  
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- Kershaw, Royce, to Kershaw Mfg. Co., Inc. Apparatus for removing ballast from beneath railroad tracks. 2,886,904, 5-19-59, Cl. 37-104.
- Kershaw, Royce, to Kershaw Mfg. Co., Inc. Apparatus for removing and replacing cross ties in a railway track. 2,908,228, 10-13-59, Cl. 104-9.
- Kershaw, Royce G., to Kershaw Mfg. Co., Inc. Railroad track raising and ballast tamping apparatus. 2,869,476, 1-20-59, Cl. 104-12.
- Kershner, Osborn A., and A. D. Oshoy, to Lambert Brake Corp. Clutch and brake combination and hydraulic operating means therefor. 2,883,019, 4-21-59, Cl. 192-13.
- Kerslake, Cyril J., to The Plessey Co. Ltd. Circuit breakers. 2,901,720, 8-25-59, Cl. 333-163.
- Kerst, Herman: See—  
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- Kersten, William H., to The Parker Pen Co. Writing instrument. 2,870,741, 1-27-59, Cl. 120-42.03.
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- Kerstetter, Donald R., to Sylvania Electric Products Inc. Cathode. 2,872,611, 2-3-59, Cl. 313-337.
- Kerstetter, Donald R., to Sylvania Electric Products Inc. Composite electrode structure. 2,904,717, 9-15-59, Cl. 313-355.
- Kerstetter, Donald R., and P. H. Sassaman, to Sylvania Electric Products Inc. Glass base grid. 2,889,483, 6-2-59, Cl. 313-299.
- Kersting, Bernard H., to The Wellman Engineering Co. Clamshell bucket-turning mechanism for bulk material handling apparatus. 2,896,795, 7-28-59, Cl. 212-81.
- Kerstner, Otto S., and L. C. Oswald, to Northrop Corp. Shock absorbing structure. 2,904,207, 9-15-59, Cl. 217-53.
- Kertell, Frank W., to C. G. Voglesong. Parking meter. 2,904,153, 9-15-59, Cl. 194-72.
- Kerwin, Joseph E. Electrical contact board game. 2,874,966, 2-24-59, Cl. 273-93.
- Kese, Arnold, and Z. Calendar. Re. 2,471,10, 10-6-59, Cl. 40-108.
- Kese, Zenta: See—  
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- Keshler, Charles P., Jr.: See—  
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- Kessler, Robert D., and D. D. Rabb, to United States of America, Atomic Energy Commission. Extraction of uranium. 2,897,045, 7-28-59, Cl. 23-14.5.
- Kesling, Elmer G. Calculator. 2,879,939, 3-31-59, Cl. 235-74.
- Kesling, Harold D. Dental appliance. 2,897,598, 8-4-59, Cl. 32-64.
- Kesling, Harold D. Light wire orthodontic attachment. 2,915,824, 12-8-59, Cl. 32-14.
- Kesling, Keith K.: See—  
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- Kesling, Keith K., to General Motors Corp. Domestic appliance. 2,869,954, 1-20-59, Cl. 312-275.
- Kesling, Keith K., to General Motors Corp. Door mounting. 2,869,959, 1-20-59, Cl. 312-328.
- Kesling, Keith K., to General Motors Corp. Domestic appliance. 2,879,370, 3-24-59, Cl. 219-35.
- Kesling, Keith K., to General Motors Corp. Domestic appliance. 2,885,253, 5-5-59, Cl. 312-236.
- Kesling, Keith K., to General Motors Corp. Domestic appliance. 2,888,544, 5-26-59, Cl. 219-37.
- Kesling, Keith K., to General Motors Corp. Refrigerator cabinet safety door. 2,902,952, 9-8-59, Cl. 109-63.5.
- Kesling, Keith K., to General Motors Corp. Domestic appliance. 2,903,711, 9-15-59, Cl. 4-167.
- Kessell, Wallace E.: See—  
Moore, Robert E., and Kessell. 2,880,952.
- Kesselman, Jacob. Holder for milk cartons or the like. 2,868,411, 1-13-59, Cl. 220-85.
- Kesselman, Samuel A. Evaporative air coolers. 2,886,957, 5-19-59, Cl. 62-314.
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- Kesselring, Fritz, and E. J. Diebold: said Kesselring assor. to Siemens-Schuckertwerke A.G., and said Diebold assor. to I-T-E Circuit Breaker Co. Electrodynamic circuit breaker. 2,916,579, 12-8-59, Cl. 200-87.
- Kessi, Willy, to Stilla S. A. Watertight wrist-watch case. 2,872,777, 2-10-59, Cl. 58-90.
- Kessler, Frank, to General Dynamics Corp. Automatic telephone system. 2,890,282, 6-9-59, Cl. 179-63.
- Kessler, Gerald. Screen spline with direct frictional engagement means. 2,897,889, 8-4-59, Cl. 160-392.
- Kessler, Gerhard, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus for measuring revolving speed or velocity ratios. 2,915,703, 12-1-59, Cl. 324-69.
- Kessler, Harold D.: See—  
Crossley, Frank A., and Kessler. 2,918,367.
- Kessler, Hilda. Dispenser package. 2,886,233, 5-12-59, Cl. 229-17.
- Kessler, Jack J., to UARCO, Inc. Deleaver. 2,872,187, 2-3-59, Cl. 271-21.
- Kessler, Jacob C. F., to American Enka Corp. Method for preparing an extrusion material from high molecular weight synthetic linear superpolyamides. 2,906,732, 9-29-59, Cl. 280-45.95.
- Kessler, Jacob C. F., and B. Kamerbek, to American Enka Corp. Stocking manufacture. 2,913,801, 11-24-59, Cl. 28-74.
- Kessler, James R.: See—  
Blackburn, Alan B., Kessler, Skinner, and Smith. 2,876,847.
- Kessler, Joseph H., and W. Engels, to Bommer Spring Hinge Co. Inc. Mechanical connections. 2,904,825, 9-22-59, Cl. 16-169.
- Kessler, Joseph S., and W. Ebert, to Ladish Co. Adjustable toggle-type connecting assemblies. 2,869,211, 1-20-59, Cl. 24-270.
- Kessler, Milton. Structural window pane. 2,892,516, 6-30-59, Cl. 189-64.
- Kessler, Sebastian W., Jr., to Radio Corp. of America. Glass sealing. 2,876,596, 3-10-59, Cl. 49-81.
- Kessler, Vernon R., and W. A. La Grange, to Carrier Corp. Control center. 2,869,505, 1-20-59, Cl. 116-124.
- Kessler, Ward P., to Tusco Corp. Shower bath frame leveling device. 2,893,069, 7-7-59, Cl. 20-11.
- Kessler, William J., S. E. Smith, and S. P. Hersperger, Jr., to United States of America, Army. Means for direction finding and ranging on atmospheres. 2,883,663, 4-21-59, Cl. 343-123.
- Kestell, Thomas A., and R. Snape, to United Shoe Machinery Corp. Sewing machines. 2,888,892, 6-2-59, Cl. 112-38.
- Kesten, Ulrich, and H. J. Lurk, to Siemens & Halske Akt. Allocation of outgoing lines in automatic telecommunication systems. 2,904,635, 9-15-59, Cl. 179-18.
- Kester, Dwayne A., and W. A. Gross. Vehicle lamp. 2,908,808, 10-13-59, Cl. 240-82.
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- Ketcham and McDougall Inc.: See—  
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- Ketchledge, Raymond W.: See—  
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- Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Storage tube and circuit. 2,875,373, 2-24-59, Cl. 315-12.
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- Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Modulating system. 2,902,659, 9-1-59, Cl. 332-47.
- Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Electron beam positioning system. 2,916,600, 12-8-59, Cl. 315-5.5.
- Ketchpel, Paul A., Jr.: See—  
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- Haskell, Philip R., Ketchpel, and Knapik. 2,893,279.
- Ketchum, Arthur L., to Admiral Corp. Ultra-high frequency structures. 2,868,983, 1-13-59, Cl. 250-40.
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- Ketter, Robert L., to Lehigh University. Moment measuring device. 2,882,722, 4-21-59, Cl. 73-133.
- Ketterer, Stanley J.: See—  
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- Ketterer, Stanley J., to The Singer Mfg. Co. Sewing machine supporting bases and carrying cases. 2,891,349, 6-23-59, Cl. 45-68.2.
- Ketterer, Stanley J., to The Singer Mfg. Co. Thread tension releasing devices for sewing machines. 2,902,960, 9-8-59, Cl. 112-252.
- Ketterer, Stanley J., and M. F. Ivanko, to The Singer Manufacturing Co. Start and stop motion mechanisms for sewing machines. 2,906,222, 9-29-59, Cl. 112-219.
- Kettle, Arthur B.: See—  
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- Kettler, Alfred H., to United States of America, Navy. Sound powered phone. 2,896,026, 7-21-59, Cl. 179-115.
- Kettlety, Robert W.: See—  
Maure, Douglas R., and Kettlety. 2,907,888.
- Kettlewell, Eric: See—  
Baker, John E., Hogg, and Kettlewell. 2,887,615.
- Kettman, Joseph E.: See—  
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- Keuffel, Carl W., C. D. Hillman, and A. L. Baker, to Keuffel & Esser Co. Alignment telescope. 2,909,964, 10-27-59, Cl. 88-32.

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- Keuth, Heinz, H. Rotter, and P. Guillery, to Siemens-Schuckertwerke Akt. Heat-resistant electric insulation and method of manufacture. 2,906,649, 9-29-59, Cl. 117-230.
- Key, Don E., and D. G. Mahoney, to General Motors Corp. Storage battery and method of making same. 2,880,896, 4-7-59, Cl. 214-311.
- Key, Edward M., to H. B. Fischborn. Apparatus for making wood pulp chips. 2,899,992, 8-18-59, Cl. 144-162.
- Key, Edward M. Splitter knife. 2,913,024, 11-17-59, Cl. 143-143.
- Key, Laurence M. Tiller float or leveling drag. 2,868,306, 1-13-59, Cl. 172-200.
- Key, Theophilus D. Display supporting fixture. 2,903,227, 9-8-59, Cl. 248-356.
- Keyes, Clifford B., to J. W. Greer Co. Pallet loading apparatus. 2,878,948, 3-24-59, Cl. 214-6.
- Keyes, Clifford B., and W. Hill, to J. W. Greer Co. Conveyor tray assembly. 2,878,923, 3-24-59, Cl. 198-158.
- Keyes Fibre Co.: See—  
Despres, Urban H. 2,917,216.
- Keyes, Grafton H.: See—  
Brooker, Leslie G. S., and Keyes. 2,917,516.
- Keyes, Marcus W., to Pittsburgh Plate Glass Co. Method of shaping fibrous bodies. 2,905,317, 9-29-59, Cl. 154-28.
- Keylwert, Johann, and K. Troniseck, to Klockner-Humboldt Deutz Akt. Valve controlled internal combustion engine. 2,869,525, 1-20-59, Cl. 123-90.
- Keys, Carlton A.: See—  
Gerber, Frederick E. 2,873,817.
- Keys, Conrad R. Load handling equipment and receptacles for vehicular transportation and discharge of loads. 2,909,296, 10-20-59, Cl. 214-310.
- Keyser, Johann J., to Schless Akt. Coupling for interconnecting the individual sections of long compound rollers, drums, shafts, or the like of textile machines. 2,875,645, 3-3-59, Cl. 74-665.
- Keyser, Johann J., to Schless Aktiengesellschaft. Double-belt drawing unit for spinning machines. 2,916,779, 12-15-59, Cl. 19-131.
- Keyser, Harold C., to American Steel Foundries. Axial load spring. 2,892,624, 6-30-59, Cl. 267-61.
- Keystone Chemurgic Corp.: See—  
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- Keyt, Donald E.: See—  
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- Keyt, Donald E., to Borg-Warner Corp. Servo valve. 2,909,195, 10-20-59, Cl. 137-623.
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- Kezerian, Charles: See—  
Ramsey, William M., and Kezerian. 2,917,528.
- Khachikyan, Yerem. Traction device. 2,870,814, 1-27-59, Cl. 152-218.
- Khalil, Seyed. Variable backspacing mechanism for proportional spacing typewriters. 2,872,014, 2-3-59, Cl. 197-84.
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- Kharasch, Morris S., and W. Nudenberg. Inhibiting polymerization. 2,900,421, 8-18-59, Cl. 260-652.5.
- Khol, Frantisek. Apparatus for measuring the internal stresses in materials. 2,898,470, 8-4-59, Cl. 250-53.
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- Khourl, Alfred S.: See—  
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- Khym, Joseph X., to United States of America, Atomic Energy Commission. Adsorption method for separating metal cations. 2,877,094, 3-10-59, Cl. 23-23.
- Klang, John C.-K. Duplicating device. 2,911,906, 11-10-59, Cl. 101-125.
- Kiba, Yoneo, to Continental Plastics Corp. Plastic pump impeller. 2,902,941, 9-8-59, Cl. 103-114.
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- Kibby, Theodore A., to Gulf Oil Corp. Explosive device. 2,867,170, 1-6-59, Cl. 102-21.8.
- Kibby, Theodore A., to Gulf Oil Corp. Method of and apparatus for completing wells. 2,896,718, 7-28-59, Cl. 166-35.
- Kibitz, Harold A.: See—  
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- Kibler, Charles J., A. Bell, and J. G. Smith, to Eastman Kodak Co. Linear polyesters and polyester-amides from 1,4-cyclohexanedimethanol. 2,901,466, 8-25-59, Cl. 260-75.
- Kibler, Louis E., and R. A. Sindall, Jr., to A. K. Robins & Co., Inc. Mushroom trimming machine. 2,877,816, 3-17-59, Cl. 146-51.
- Kice, Jack W., to The Coleman Co., Inc. Heating duct system for mobile houses. 2,887,733, 5-26-59, Cl. 20-6.
- Kice, Jack W., and C. D. Mattingly, to The Coleman Co., Inc. Refrigerant cooler utilizing atmospheric condensate. 2,875,593, 3-3-59, Cl. 62-280.
- Kidd, Malcolm H., to The Dayton Rubber Co. Raw edge belt grinder. 2,912,797, 11-17-59, Cl. 51-80.
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- Kidd, Marshall C., and H. C. Goodrich, to Radio Corp. of America. Television receiver signal processing circuits. 2,906,817, 9-29-59, Cl. 178-7.3.
- Kidd, Ralph. Burial vault and casket. 2,882,584, 4-21-59, Cl. 27-11.
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- King Container Corp.: See—  
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- King, Dale F., and L. A. Pockman. Process and plant for raising poultry and the like. 2,910,044, 10-27-59, Cl. 119-1.
- King, David W., to United States of America, Atomic Energy Commission. Hand truck for handling equipment. 2,874,860, 2-24-59, Cl. 214-130.



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- King, Donald L., and K. L. Davis, to The Elmco Corp. Pressure filter construction. 2,899,068, 8-11-59, Cl. 210-402.
- King, Donald M. Conveyors. 2,871,789, 2-3-59, Cl. 104-172.
- King, Donald M. Trolley assembly for conveyor systems. 2,892,419, 6-30-59, Cl. 105-155.
- King, Earle C., and R. C. Andrews, Jr., to Mine Safety Appliances Co. Method for disposing of alkali metals. 2,880,065, 3-31-59, Cl. 23-184.
- King, Edward L., to United States of America, Atomic Energy Commission. Plutonium purification process employing thorium pyrophosphate carrier. 2,884,305, 4-28-59, Cl. 23-14.5.
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- Beck, Arnold H. W., Cutting, Brisbane, and King. 2,912,611.
- Giboney, Ray E., and King. 2,888,576.
- Scott, Thomas R., King, and Wilson. 2,910,394.
- King, George E., and R. E. Giboney, to Westinghouse Electric Corp. Punch press control. 2,905,838, 9-22-59, Cl. 307-112.
- King, George L., to Radio Frequency Laboratories. Teleprinter system. 2,919,301, 12-29-59, Cl. 178-2.
- King, Geo. W., Ltd.: See—
- Burrows, Arthur T. C. 2,869,477.
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- King, George W., to General Precision Laboratory Inc. Automatic iris control. 2,885,471, 5-5-59, Cl. 178-7.1.
- King, Harold W.: See—
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- King, Henry C., 40% to E. King. Power driven ambulatory irrigation sprinkler. 2,880,937, 4-7-59, Cl. 239-181.
- King, Herbert: See—
- Anderson, Malcolm, and King. 2,888,695.
- King, Herbert H. Test probe with retractable shield. 2,885,648, 5-5-59, Cl. 339-36.
- King, James M. Florists' accessories. 2,904,933, 9-22-59, Cl. 47-41.
- King, James R.: See—
- Haist, Grant M., and King. 2,875,048.
- King, Jarrett C.: See—
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- Hardwicke, James E., King, and Terrell. 2,885,407.
- King, John G., to Tricraft Products Corp. Emission type tube analyzer. 2,885,634, 5-5-59, Cl. 324-24.
- McDonald, Julius M., King, and Holland. 2,885,931.
- King, Karl C. Loading and unloading equipment. 2,876,917, 3-10-59, Cl. 214-82.
- King, Karl C. Harvester. 2,896,776, 7-28-59, Cl. 198-233.
- King, Kenneth G., and A. W. Tucker, to Westinghouse Brake and Signal Co. Ltd. Trigger circuit with memory action. 2,908,857, 10-13-59, Cl. 323-66.
- King, Kenneth L. Ski binding having automatically releasable heel anchor. 2,879,071, 3-24-59, Cl. 280-11.35.
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- King, Laurence F.: See—
- Sproule, Lorne W., King, and Pattenden. 2,883,342.
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- King, Leland W.: See—
- Geddes, Norman B., and King. 2,914,190.
- King, Lyman S.: See—
- Crouch, John M., King, and Conley. 2,906,364.
- King, Norman: See—
- Barnett, Bartow B., and King. 2,868,555.
- King-O-Matic Equipment Corp.: See—
- McGihon, Leonard. 2,914,899.
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- King, Paul A.: See—
- Morton, Lester C., and King. 2,881,728.
- King, Paul J.: See—
- Wolfson, William B., King, Baer, and Clough. 2,897,005.
- King, Peter M.: See—
- Bray, Frederick H., King, and Hartley. 2,913,530.
- Bray, Frederick H., King, and Rice. 2,899,500.
- King, Ralph E., to General Electric Co. Refrigerator cabinet having drawer baffle means. 2,876,632, 3-10-59, Cl. 62-285.
- King, Ralph E., to General Electric Co. Refrigerator water cooler. 2,876,633, 3-10-59, Cl. 62-339.
- King, Richard C. Water craft for the transport of wheeled vehicles. 2,898,877, 8-11-59, Cl. 114-60.
- King, Robert B., to United States of America, Navy. Fuze. 2,883,933, 4-28-59, Cl. 102-81.
- King, Robert J., to McGraw-Ellison Co. Heating units for ovens and the like. 2,875,313, 2-24-59, Cl. 219-19.
- King, Robert J. Garment hanger. 2,886,222, 5-12-59, Cl. 223-88.
- King, Robert W., Jr.: See—
- Doersam, Charles H., Jr., and King. 2,907,985.
- King Sales & Engineering Co.: See—
- McGihon, Leonard. 2,902,810.
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- King-Seely Corp.: See—
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- Gaskell, Walter L. 2,873,773.
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- Malecki, Witold. 2,876,792.
- Malecki, Witold. 2,888,031.
- Malecki, Witold, and Larsen. 2,911,054.
- Sivacek, Emil E. 2,887,084.
- Winther, Robert O. 2,883,512.
- King, William F. Switching device. 2,867,699, 1-6-59, Cl. 200-61.45.
- King, William F., to Eaton Mfg. Co. Electric coupling and brake. 2,871,383, 1-27-59, Cl. 310-96.
- King, William F., to General Motors Corp. Apparatus for compensating quadrature resolved unbalance components. 2,872,819, 2-10-59, Cl. 73-462.
- King, William H.: See—
- Bloch, Morton G., Houser, and King. 2,904,496.
- King, William H., to United States of America, Agriculture. Detoxifying cottonseed meal. 2,873,190, 2-10-59, Cl. 99-2.
- King, William H., A. M. Altschul, J. M. Dechary, and V. L. Frampton, to United States of America, Agriculture. Preparation of cottonseed meal suitable for unrestricted use in laying hen diets. 2,873,191, 2-10-59, Cl. 99-4.
- King, William H., Jr., to Esso Research and Engineering Co. Galvanometer digitizer. 2,883,649, 4-21-59, Cl. 340-190.
- King, William R.: See—
- Larson, Harold A., and King. 2,880,575.
- King, William R., to Phillips Petroleum Co. Method and apparatus for carbon black production. 2,892,684, 6-30-59, Cl. 23-209.6.
- King, William R., and W. H. Rushford, to Phillips Petroleum Co. Recovery and classification of solids. 2,880,819, 4-7-59, Cl. 183-58.
- Kingdom, John C.: See—
- Yule, William H. D., and Kingdom. 2,889,425.
- Kingdom, Ralph H., and R. J. Scheich, to Square D Co. Multipole circuit breaker. 2,889,428, 6-2-59, Cl. 200-116.
- Kingdon, Ralph H.: See—
- Stanback, Harris I., and Kingdon. 2,902,560.
- Stanback, Harris I., and Kingdon. 2,902,632.
- Kinghorn, Robert E.: See—
- Purswell, Guy, Kinghorn, and Smith. 2,888,298.
- Kingsbury, Chadwick B.: See—
- Carter, Ralph H., and Kingsbury. 2,881,584.
- Carter, Ralph H., Kingsbury, and Lamb. 2,900,783.
- Kingsbury, Chadwick B., to North American Rayon Corp. Stop motion device. 2,904,872, 9-22-59, Cl. 28-71.4.
- Kingsbury, Chester L., Jr., to Reserve Mining Co. Means for separating granular material. 2,919,024, 12-29-59, Cl. 200-159.
- Kingsbury, Ralph N., and R. F. Caroselli, to Owens-Corning Fiberglass Corp. Dye composition and method of dyeing tightly wound glass fibers sized with a water swellable material. 2,900,275, 8-18-59, Cl. 117-63.
- Kingsley, Lewis A. Lettering. 2,902,931, 9-8-59, Cl. 101-399.
- Kingsley, Lewis A. Wire aligning and tensioning mechanism. 2,909,341, 10-20-59, Cl. 242-151.
- Kingston, Donald L., and B. H. Leach, to Sylvania Electric Products Inc. Lamp bulb feeder. 2,917,169, 12-15-59, Cl. 209-80.
- Kingston Products Corp.: See—
- Dull, William B., and Daugherty. 2,876,313.
- Kelly, George M. 2,867,834.
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- Kinkaid, Robert J., to AMP Inc. Machine for applying connectors in strip form. 2,915,755, 12-8-59, Cl. 1-177.
- Kinkaid, Alan, to William Wallace Co. Tube making machine. 2,911,932, 11-10-59, Cl. 113-33.
- Kinkaid, Alan, to William Wallace Co. All purpose flue. 2,916,983, 12-15-59, Cl. 98-48.
- Kinkaid Industries Inc.: See—
- Collins, Solomon M. 2,897,514.
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- Kinkel, John F.: See—
- Bell, Norton W., and Kinkel. 2,909,622.
- Kinker, John C., Jr., to Apex Machine Mfg. Co., Inc. Tear strip for dispensing package. 2,888,180, 5-26-59, Cl. 225-39.
- Kinley, Myron M. Valves. 2,907,391, 10-6-59, Cl. 166-224.
- Kinnaman, Chalmers R. Commutator undercutting tools. 2,898,814, 8-11-59, Cl. 90-38.
- Kinnan, Walter E., to G. F. Dales. Method of making thermostats. 2,877,539, 3-17-59, Cl. 29-155.5.
- Kinnear, John. Surgical traction apparatus. 2,909,175, 10-20-59, Cl. 128-84.
- Kinnear, John A. C.: See—
- Mariner, Peter F., and Kinnear. 2,900,706.

- Kinnear, John A. C., to Elliott Brothers (London) Ltd. Manufacture of waveguide components. 2,870,524, 1-27-59, Cl. 29-155.5.
- Kinney, David C., and C. E. Sands, to Holley Carburetor Co. Temperature sensitive pump. 2,877,996, 3-17-59, Cl. 261-34.
- Kinney, George A., to E. I. du Pont de Nemours and Co. Apparatus for uniformly drawing a plurality of filaments. 2,874,410, 2-24-59, Cl. 18-8.
- Kinney, Harmon C.: See—
- Muehleck, Ernest, Kinney, and Lanz. 2,901,808.
- Kinney, James F. Air distributing system. 2,901,959, 9-1-59, Cl. 98-40.
- Kinney, John W., Jr. Surface projectile game. 2,905,471, 9-22-59, Cl. 273-108.
- Kinney, Layton C.: See—
- Thorpe, Clark E., Kinney, and Gaynor. 2,876,188.
- Kinney, Paul W., and J. H. Prichard, to Celanese Corp. of America. Cellulose propionate compositions. 2,883,299, 4-21-59, Cl. 106-180.
- Kinney, S. P., Engineers, Inc.: See—
- Kinney, Selwyn P., to S. P. Kinney Engineers, Inc. Automatic self-cleaning strainer. 2,918,172, 12-22-59, Cl. 210-392.
- Kinney, Theodore S. Storage tank. 2,888,545, 5-26-59, Cl. 219-39.
- Kinney, Theodore S. Immersion electric heater. 2,888,546, 5-26-59, Cl. 219-41.
- Kinney, Theodore S. Electric heater element. 2,912,664, 11-10-59, Cl. 338-229.
- Kinsolson, Robert W. Filling nozzle with selective automatic shut-off. 2,870,799, 1-27-59, Cl. 141-209.
- Kinsella, Martin A.: See—
- Frederick, Herbert S., and Kinsella. 2,874,852.
- Kinsey, Claude J., and J. H. Varterasian, to General Motors Corp. Balancing machine. 2,898,764, 8-11-59, Cl. 73-483.
- Kinsey, Douglas D., A. E. Johnson, and H. W. Ashby, to Crane Co. Waste valve mechanism. 2,910,704, 11-5-59, Cl. 4-199.
- Kinsey, Isaac: See—
- Miner, Charles, Jr., and Kinsey. 2,912,939.
- Kinsey, John A., Jr. Automatic door or like closure operator. 2,900,791, 8-25-59, Cl. 60-52.
- Kinsey, Lionel E. Garment hanger attachment. 2,907,505, 10-6-59, Cl. 223-95.
- Kinsley, Lewis H., Jr., and J. W. Anderson. Capper. 2,914,901, 12-1-59, Cl. 53-310.
- Kinsman, Clarence W. Pulley with punched bracket. 2,873,091, 2-10-59, Cl. 254-191.
- Kintner, Donald J., to Clary Corp. Cash register drawer selecting apparatus. 2,883,104, 4-21-59, Cl. 235-22.
- Kinzbach, Robert B. Automatic tubing spider assembly. 2,896,292, 7-28-59, Cl. 24-249.
- Kinzelman, Francis J., to J. R. Share. Rotary printing press for continuous metal strip. 2,900,653, 6-16-59, Cl. 101-178.
- Kinzer, Clarence M. Blade means. 2,891,334, 6-23-59, Cl. 37-143.
- Kinzer, Glenn W., to Chilean Nitrate Sales Corp. Iodonium compounds. 2,878,293, 3-17-59, Cl. 260-607.
- Kipnis, Abraham. Deep-fried extruded-dough comestible machine. 2,917,008, 12-15-59, Cl. 107-14.
- Kipp, Carl. Fixture for hanging mirrors, pictures and the like. 2,905,412, 9-22-59, Cl. 248-30.
- Kipp, Ebert M., to Aluminum Co. of America. Piston ring. 2,908,537, 10-13-59, Cl. 309-44.
- Kippe, Otto, to P. Tobler, doing business under the name of Trans-Oceanic. Method of making lime-containing fertilizers and especially slag lime. 2,904,425, 9-15-59, Cl. 71-63.
- Kippe, Otto, 1/2 to P. O. Tobler, d.b.a. Trans-Oceanic. Method of producing magnesite and calcium nitrate from dolomite. 2,912,306, 11-10-59, Cl. 23-201.
- Kippen, Albert J.: See—
- Buchheimer, George R., and Kippen. 2,917,213.
- Kippenhan, Beverly W., to International Business Machines Corp. Code generator. 2,884,625, 4-28-59, Cl. 340-345.
- Kippenhan, Dean O., to United States of America, Atomic Energy Commission. Phase detector. 2,903,581, 9-8-59, Cl. 250-27.
- Kippe, Harry J., to Socony Mobil Oil Co., Inc. Method of inhibiting formation of scale deposits. 2,890,175, 6-9-59, Cl. 252-181.
- Kippur, Perry R.: See—
- Clark, Benjamin F., Gipstein, Higgins, and Kippur. 2,918,498.
- Kippur, Perry R.: See—
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- Kips, Edward J. E., and J. W. Derksen. Traffic light switching arrangement. 2,878,423, 3-17-59, Cl. 315-163.
- Kiraly, Joseph L., to Aerosol Research Co. Aerosol valve assembly. 2,883,089, 4-21-59, Cl. 222-394.
- Kirby, Arthur F., to E. I. du Pont de Nemours and Co. Preparation of a-chloroglutaric anhydride. 2,870,167, 1-20-59, Cl. 260-345.9.
- Kirby, Henry L.: See—
- Kennedy, Anthony, Jr., Adams, Kirby, and Steinbronn. 2,892,242.
- Kirby, James B. Dish washing machine. 2,877,778, 3-17-59, Cl. 134-57.
- Kirby, Lawrence J., to Gulf Oil Corp. Controlling flow rates. 2,899,969, 8-18-59, Cl. 137-8.
- Kirby, Lo E. D. Disposable ash tray and cigarette snuffing device. 2,887,218, 5-19-59, Cl. 206-57.
- Kirby, Robert A., C. S. Clay, Jr., and H. B. Ferguson, to Jersey Production Research Co. Recording system. 2,894,797, 7-14-59, Cl. 346-74.
- Kirchel, Alan A.: See—
- Foll, John V., Sieber, and Kirchel. 2,883,453.
- Kircher, Albert, Jr., and D. A. Manion, Jr., to The W. J. Fitzpatrick Co. Method of making sausage emulsions. 2,874,054, 2-17-59, Cl. 99-109.
- Kircher, Charles E., Jr., R. J. Jones, and R. F. Kriz, to Detrex Chemical Industries, Inc. Apparatus for producing polyvinyl chloride. 2,880,076, 3-31-59, Cl. 23-260.
- Kircher, Charles E., Jr., and R. J. Jones, to Detrex Chemical Industries, Inc. Method of dehydrohalogenating halogenated hydrocarbons. 2,912,470, 11-10-59, Cl. 260-654.
- Kircher, Hartmann J., III: See—
- Ledbetter, James D., Kircher, and Novotny. 2,894,692.
- Kircher, Raymond J., to Bell Telephone Laboratories, Inc. Diode circuits. 2,899,569, 8-11-59, Cl. 307-88.5.
- Kircher, Raymond J., to Bell Telephone Laboratories, Inc. Testing apparatus. 2,908,860, 10-13-59, Cl. 324-028.
- Kirchner, Carroll T.: See—
- Williams, Mortimer P., and Kirchner. 2,870,059.
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- Kirchner, Francois F., and F. S. Repligle, Jr., to Schlumberger Well Surveying Corp. Magnet. 2,917,682, 12-15-59, Cl. 317-200.
- Kirchner, Frederick K., to Sterling Drug Inc. 2-arylmethyl-3-oxo-3,4-dihydro-1,4,2-benzothiazines and their preparation. 2,894,946, 7-14-59, Cl. 260-245.
- Kirchner, Frederick K., and E. J. Alexander, to Sterling Drug Inc. 3-oxo-3,4-dihydro-1,4,2-benzothiazine-2-acetic acid hydrazides and their preparation. 2,879,270, 3-24-59, Cl. 260-243.
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- Cüppers, Curt, and Kirchhübel. 2,902,899.
- Kirchoff, Raymond F.: See—
- Just, Howard W., Kirchoff, and Pelikan. 2,891,656.
- Kirgan, Edward L., to Elk Enterprises, Inc. Reflector target. 2,885,670, 5-5-59, Cl. 343-18.
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- Kirk, Howard B., and C. F. Anspach. Beverage dispensing machine. 2,876,806, 3-10-59, Cl. 141-105.
- Kirk, Hubert R.: See—
- Head, William L., Kirk, and Mather. 2,869,972.
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- Coyne, Donald M., and Kirk. 2,872,456.
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- Kirk, Joseph S., to General Aniline & Film Corp. Dyeing of leather. 2,872,277, 2-3-59, Cl. 8-12.
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- Kirk, Norman, to General Electric Co. Apparatus for the continuous polymerization of organopolysiloxanes. 2,883,272, 4-21-59, Cl. 23-260.
- Kirk, Norman M. Hook for transporting meat in vehicles. 2,904,300, 9-15-59, Cl. 248-340.
- Kirk, Robert E., to General Motors Corp. Terminal connector for circuit boards. 2,911,610, 11-3-59, Cl. 339-17.
- Kirk, Walter B., to Westinghouse Air Brake Co. Fluid motor with slack adjuster valve. 2,875,864, 3-3-59, Cl. 188-196.
- Kirk, Walter B., to Westinghouse Air Brake Co. Master cylinder for hydraulic brake system. 2,917,900, 12-22-59, Cl. 60-54.6.
- Kirk, William A., and J. A. Brown, to Sperry Rand Corp. Shear bar mounting means to provide a curved cutting edge. 2,868,253, 1-13-59, Cl. 146-117.
- Kirk, William M. Animal scratching, medicating and oiling apparatus. 2,883,965, 4-28-59, Cl. 119-157.
- Kirka, Chester, to Machlett Laboratories, Inc. Terminal structures for valve tubes. 2,890,385, 6-9-59, Cl. 315-58.
- Kirkbride, Alec B.: See—
- Selby, James, Kirkbride, and Trebble. 2,899,850.
- Kirkbride, Chalmers G., and J. C. Dart, to Houdry Process Corp. Art of circulating contact material. 2,915,459, 12-1-59, Cl. 208-148.
- Kirkby, Henry W., and C. Sykes, to Firth-Vickers Stainless Steels Ltd. Ferritic alloy steels for use at elevated temperatures. 2,880,085, 3-31-59, Cl. 75-126.
- Kirkell, Leon H. Towel dispensing mechanism. 2,879,121, 3-24-59, Cl. 312-038.
- Kirkham, Don, and J. E. Adams, to Iowa State College Research Foundation, Inc. Apparatus for measuring diffusion coefficients of soil in place. 2,913,897, 11-24-59, Cl. 73-38.
- Kirkham, Peter, and R. G. R. Robinson, to Pre Ltd. Magnetic scanning circuits for cathode ray tubes. 2,899,578, 8-11-59, Cl. 313-76.



- Kirkham, Thomas A.: See—  
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- Kirkland, Elmo R., Jr. Retriever for an underwater object. 2,879,618, 3-31-59, Cl. 43—17.2.
- Kirkland, Robert E., to Raytheon Co. Acoustic logs. 2,908,888, 10-13-59, Cl. 340—3.
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- Kirkpatrick, Alton, to Stone & Webster Engineering Corp. Steam condenser deaeration. 2,873,096, 2-10-59, Cl. 157—24.
- Kirkpatrick, Claude L.: See—  
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- Kirkpatrick, John. Yieldable tenter frame support. 2,879,579, 3-31-59, Cl. 26—57.
- Kirkpatrick, Kenneth L.: See—  
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- Kirkpatrick, Lawrence R. Trailer hitch. 2,902,294, 9-1-59, Cl. 280—512.
- Kirkpatrick, Leland W., to Rich Mfg. Corp. Valve material. 2,868,637, 1-13-59, Cl. 75—124.
- Kirkpatrick, Thomas P., to United States of America, Navy. Flue type acoustic hood. 2,892,507, 6-30-59, Cl. 181—36.
- Kirkpatrick, Vida E. Walking-aid apparatus. 2,872,967, 2-10-59, Cl. 155—22.
- Kirkpatrick, Willard H., to Visco Products Co. Resolving water-in-oil emulsions. 2,875,157, 2-24-59, Cl. 252—344.
- Kirkpatrick, Willard H., to Visco Products Co. Oxyalkylated hydroxy compounds. 2,881,204, 4-7-59, Cl. 260—484.
- Kirkpatrick, Willard H., to Visco Products Co. Breaking water-in-oil emulsions. 2,900,350, 8-18-59, Cl. 252—331.
- Kirkpatrick, Willard H., and V. L. Seale, to Visco Products Co. Pesticide emulsions containing an oxyethylated oxypropylated glycerine. 2,875,128, 2-24-59, Cl. 167—43.
- Kirkpatrick, Willard H., and V. L. Seale, to Visco Products Co. Diamine derivatives containing hydroxyalkyl groups. 2,884,459, 4-28-59, Cl. 260—584.
- Kirkpatrick, William D., and A. L. Newman, to Red Devil Tools. Paint tube squeezer. 2,874,525, 2-24-59, Cl. 53—268.
- Kirkpatrick, William D., and A. L. Newman, 1/2 to B. C. Jones, and 2/3 to Red Devil Tools. Dispensing device for collapsible tubes. 2,881,954, 4-14-59, Cl. 222—102.
- Kirkpatrick, William D., and A. L. Newman, to Red Devil Tools. Tool for removing end of collapsible walled tube. 2,897,700, 8-4-59, Cl. 81—334.
- Kirkpatrick, William E., to Bell Telephone Laboratories, Inc. Electron discharge device. 2,892,122, 6-23-59, Cl. 315—12.
- Kirkpatrick, William T., to Rowe Mfg. Co., Inc. Containers for columnar merchandising machine. 2,867,487, 1-6-59, Cl. 312—42.
- Kirkwood Commutator Co., The: See—  
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- Kirkwood, Mesoman L. Geographical timepiece. 2,910,825, 11-3-59, Cl. 58—43.
- Kirsch, Albert J.: See—  
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- Kirschenbaum, Samuel. Capping device. Re. 24,695, 9-8-59, Cl. 222—421.
- Kirshenbaum, Samuel. Moistening devices. 2,863,244, 1-13-59, Cl. 141—198.
- Kirschke, Norman W., to General Electric Co. Oven with replaceable liner. 2,912,559, 11-10-59, Cl. 219—35.
- Kirschner, Benjamin. Collapsible steam cabinet. 2,873,453, 2-17-59, Cl. 4—160.
- Kirschner, Henry J.: See—  
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- Kirshenbaum, Isidor: See—  
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- Baker, Edward G., and Kirshenbaum. 2,906,692.
- Gilbert, George R., and Kirshenbaum. 2,894,901.
- Hughes, Vincent L., Kirshenbaum, and Schetelich. 2,876,253.
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- Kirshenbaum, Isidor, K. K. Kearby, and H. J. Ogorzaly, to Esso Research and Engineering Co. Hydrocracking shale oil. 2,884,371, 4-28-59, Cl. 208—111.
- Kirshenbaum, Isidor, F. L. Jonach, and L. D. Etherington, to Esso Research and Engineering Co. Process for the separation of fluids by extractive distillation. 2,901,404, 8-25-59, Cl. 202—39.5.
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- Kirshenbaum, Isidor, and J. A. Hinclicky, to Esso Research and Engineering Co. Preparation of eta alumina by acid hydrolysis. 2,903,418, 9-8-59, Cl. 208—138.
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- Kirstahler, Alfred, W. D. Willmund, and W. Strauss, to Dehydtag, Deutsche Hydrierwerke G.m.b.H. Production of metal electrodeposits. 2,905,602, 9-22-59, Cl. 204—46.
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- Kishibay, Charles O., to The Singer Mfg. Co. Sewing machine supporting stand. 2,899,249, 8-11-59, Cl. 311—12.
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- Kissinger, Arthur Y., and W. S. Snyder. Electrician's tool. 2,875,651, 3-3-59, Cl. 77—73.
- Kissling, Lehr F., to Columbia-Southern Chemical Corp. Purification of trichloroethylene. 2,888,494, 5-26-59, Cl. 260—654.
- Kissling, Lehr F., to Columbia-Southern Chemical Corp. Purification of perchloroethylene. 2,888,495, 5-26-59, Cl. 260—654.
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- Kittrell, R. L. Welding apparatus. 2,892,070, 6-23-59, Cl. 219—125.
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- Kitselman, Harry L., to Indiana Steel & Wire Co., Inc. Dead-end. 2,912,816, 11-17-59, Cl. 57—145.
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- Kittrell, Norman G., and H. E. Pietschker, to Texaco Inc. Means for detecting stuffing box leakage. 2,915,975, 12-8-59, Cl. 103—25.
- Kitts, Harry R., to S. E. Binish. Breaker point filling device. 2,893,108, 7-7-59, Cl. 209—76.
- Kivari, Arthur M., to Process Engineers Inc. Treatment of aqueous wastes containing hydrocarbons. 2,876,863, 3-10-59, Cl. 183—114.
- Kivela, Stanley E. Combination knife and slitting tool. 2,869,232, 1-20-59, Cl. 30—161.
- Kivela, Stanley E. Sizing gauge for hardware items. 2,896,333, 7-28-59, Cl. 33—178.
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- Kjellman, Thomas K., and L. E. Wood, to Bendix Aviation Corp. Humidistat. 2,897,304, 7-28-59, Cl. 200—61.06.
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- Klaber, George B., to A C F Industries, Inc. Fuel injection nozzle. 2,904,264, 9-15-59, Cl. 239—533.
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- Klabunde, Otto. Drafting board. 2,918,726, 12-29-59, Cl. 33—80.
- Klabunde, Otto. Boat reciprocating paddle device. 2,918,891, 12-29-59, Cl. 115—31.
- Klafstad, Erling, to Manning, Maxwell & Moore, Inc. Balanced bellows valve for back-pressure service with supplementary means for non-vented bonnets. 2,878,828, 3-24-59, Cl. 137—478.
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- Klager, Karl. Salts of tetranitrodiethylamines. 2,891,994, 6-23-59, Cl. 260—577.
- Klager, Karl. Tetranitrodiethylamine salts. 2,901,512, 8-25-59, Cl. 260—583.
- Klahr, Edwin E., and G. R. Stafford, deceased (V. H. Stafford, administratrix), to Camp and McInnes, Inc. Methods of producing ornamented knitted fabrics. 2,892,330, 6-30-59, Cl. 66—14.
- Klahre, Hugo, to Consolidated Trimming Corp. Header-tape. 2,904,080, 9-15-59, Cl. 139—390.
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- Klamp, Paul, to Mechanical Handling Systems, Inc. Conveyor system. 2,894,460, 7-14-59, Cl. 104—88.
- Klamp, Paul, and G. E. Perkins, to Mechanical Handling Systems, Inc. Conveyor system. 2,918,881, 12-29-59, Cl. 104—88.
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- Klang, Leon R. Concrete block mold. 2,899,734, 8-18-59, Cl. 25—118.
- Klank, Walter C., Jr., to United Aircraft Products, Inc. Mounting plate assembly with latched bolts. 2,907,419, 10-6-59, Cl. 189—36.
- Klann, Paul A. Electrically controlled pneumatic valve for electric organs. 2,909,094, 10-20-59, Cl. 84—339.
- Klapka, Karl J., to Wheel Trueing Tool Co. Drilling machine. 2,870,994, 1-27-59, Cl. 255—53.
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- Klasens, Hendrik A., to North American Phillips Co., Inc. Red luminescent material. 2,901,436, 8-25-59, Cl. 252—801.4.
- Klasing, Arthur P., to Central States Paper & Bag Co. Machines for making vacuum cleaner bags. 2,867,183, 1-6-59, Cl. 112—10.
- Klasing, Arthur P., and W. J. Rice, to Central States Paper & Bag Co. Bag. 2,880,925, 4-7-59, Cl. 229—53.
- Klasing, Arthur P., and W. J. Rice, to Central States Paper & Bag Co. Packaging material. 2,916,053, 12-8-59, Cl. 138—49.
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- Klassen, Alice M., and J. G. Mattress construction. 2,879,523, 3-31-59, Cl. 5—352.
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- Klecsek, Walter S., to General Electric Co. Vent and relief valve. 2,882,924, 4-21-59, Cl. 137-522.
- Klecsek, Walter S., to United States of America, Army. Pressure regulator. 2,899,168, 8-11-59, Cl. 251-62.
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- Klein, Alois A., to Horace T. Potts Co. Apparatus for bending tube blanks. 2,918,102, 12-22-59, Cl. 153-48.
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- Klein, Arthur R., to Eaton Mfg. Co. Wire retainer clip. 2,892,234, 6-30-59, Cl. 24-259.
- Klein, Bernhard K. Joining of elastic bodies. 2,910,314, 10-27-59, Cl. 287-119.
- Klein, Charles, to Vertipile, Inc. Ornamental material and method for making same. 2,900,270, 8-18-59, Cl. 117-25.
- Klein, Clarence F., to The Lord Baltimore Press, Inc. Method of opening and resealing a carton. 2,916,859, 12-15-59, Cl. 53-21.
- Klein, Charles H., to The National Telephone Supply Co. Wire connecting device. 2,871,045, 1-27-59, Cl. 287-75.
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- Klein, Dietrich J., to Warwick Mfg. Corp. Tape recorder. 2,868,471, 1-13-59, Cl. 242-55.12.
- Klein, Elias, and J. W. Weaver, to United States of America, Army. Field treatment for making cellulosic fabrics flameproof and resistant to certain chemical warfare gases. 2,911,322, 11-3-59, Cl. 117-76.
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- Klein, Harold J., to Douglas Aircraft Co., Inc. Vortex inhibitor for aircraft jet engines. 2,915,262, 12-1-59, Cl. 244-74.
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- Klein, Martin E.: See—
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- Klein, Martin L., to North American Aviation, Inc. Arbitrary function generator. 2,918,669, 12-22-59, Cl. 340-355.
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- Klein, Norman E.: See—
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- Klein, Norman E., to Deering Milliken Research Corp. Spinning apparatus. 2,869,315, 1-20-59, Cl. 57-58.84.
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- Klein, Robert L. Self opening window structure. 2,917,791, 12-22-59, Cl. 20-42.
- Klein, S. Department Stores, Inc.: See—
- Moore, Norman. 2,901,307.
- Klein, Samuel. Curing of meats. 2,875,068, 2-24-59, Cl. 99-159.
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- Klein, Victor G.: See—
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- Lincoln, Henry A., and Klein. 2,888,181.
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- Ostermann, Max, and Klein. 2,911,875.
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- Kleingers, Alfred B., Jr.: See—
- Bergstein, Frank D., Kleingers, and Nerenberg. 2,891,453.
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- Kleinholz, Milton P.: See—
- Nelson, John W., and Kleinholz. 2,899,388.
- Kleinholz, Milton P., to Sinclair Refining Co. Method of reducing corrosiveness of lubricating oils by hydrogenation. 2,898,286, 8-4-59, Cl. 208-264.
- Kleinman, Jacob L. Helmeta. 2,878,478, 3-24-59, Cl. 2-3.
- Kleinman, Jacob L. Brassieres. 2,900,983, 8-25-59, Cl. 128-482.
- Kleinman, Jacob L. Shaving implements having an assembled hingeable shearing section. 2,908,074, 10-13-59, Cl. 30-41.
- Kleinman, Jules M., to Avco Mfg. Corp. Linear sawtooth wave generator. 2,905,819, 9-22-59, Cl. 250-27.
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- Lesk, Norman, and Kleinman. 2,916,745.
- Kleinschmidt, Edward F., to Kleinschmidt Laboratories, Inc. Rotary typewriter printer. 2,891,648, 6-23-59, Cl. 197-12.
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- Kleint, Roderic E.: See—
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- Kleis, Derk: See—
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- Kleis, Derk, and H. J. De Witt, to North American Phillips Co., Inc. Magnetic erasing head. 2,882,347, 4-14-59, Cl. 179-100.2.
- Kleiser, James M. Thinning implement for plant seedlings. 2,879,855, 3-31-59, Cl. 172-526.
- Kleiss, Louis D., to Phillips Petroleum Co. Apparatus and process for solvent extraction. 2,911,361, 11-3-59, Cl. 208-311.
- Kleiss, Louis D., and L. W. Morgan, to Phillips Petroleum Co. Fluid separation process control. 2,917,437, 12-15-59, Cl. 202-160.
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- Kleist, Herman W., and J. E. Hutchinson, to Dole Refrigerating Co. Heat exchange assembly and control. 2,885,866, 5-12-59, Cl. 62-156.
- Klemas, Seymour, and J. R. and L. M. Kaye. Power tooth brush. 2,911,660, 11-10-59, Cl. 15-28.
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- Klemm, William A., to Kaiser Aluminum & Chemical Corp. Method for treating materials. 2,891,297, 6-23-59, Cl. 25-155.5.
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- Klempt, Walter: See—
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- Klemt, Gunter, and H. Macher, to Jos. Schneider & Co. High-speed telephoto objective. 2,906,173, 9-29-59, Cl. 88-57.
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- Klenz, Karl A. Vertical Venetian blind. 2,869,636, 1-20-59, Cl. 160-168.
- Kleparchuk, Peter. Device for the removal of tires and king pins. 2,873,795, 2-17-59, Cl. 157-1.17.
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- Klepp, George F., and D. Miller, to International Standard Electric Corp. Electric gaseous discharge tubes. 2,874,324, 2-17-59, Cl. 313-185.
- Klepper, Hans. Lining for water-proof clothing. 2,884,639, 5-5-59, Cl. 2-97.
- Klessig, Ernst F., and R. B. Pettibone, to Vickers Inc. Power transmission. 2,880,674, 4-7-59, Cl. 103-42.
- Klette, Hermann, to E. M. H. Radde. Subcutaneous hormone pellets. 2,895,875, 7-21-59, Cl. 167-58.
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- Klich, Roger H., and E. J. Wenninger, to Teletype Corp. Feed out mechanism for telegraph printers. 2,906,820, 9-29-59, Cl. 178-25.
- Klie, Robert H., to Bell Telephone Laboratories, Inc. Overload protection circuit. 2,916,708, 12-8-59, Cl. 333-18.
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- Kilmowski, Robert J., and R. T. Florence, to A. B. Dick Co. Azo dye duplicating process. 2,873,668, 2-17-59, Cl. 101-149.4.
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- Kilne, Leo, and A. D. Singleton, to National Dairy Products Corp. Egg whites. 2,881,077, 4-7-59, Cl. 99-113.
- Kilne, Paul C., to General Motors Corp. Ignition distributor. 2,889,418, 6-2-59, Cl. 200-19.
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- Kling, Robert W., to Athey Products Corp. Ejector type load hauling vehicle. 2,876,918, 3-10-59, Cl. 214-82.
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- Klinger, Karl A. Valve structure. 2,899,169, 8-11-59, Cl. 251-107.
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- Kloepfer, Harry, and O. Schweitzer, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Preservation of the fluidity of polymethyl-methacrylate by the addition of finely divided silica. 2,882,254, 4-14-59, Cl. 260-41.
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- Kluge, Herman F., to Donley Bros. Co. Inclinator push door. 2,903,115, 9-8-59, Cl. 193-34.
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- Knapp, James E.: See—  
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- Knapp Mills Inc.: See—  
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- Knapp-Monarch Co.: See—  
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- Huck, Alfred J., and Vicos. 2,898,842.
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- Klee, Helmut. 2,878,518.
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- Pohl, Franz. 2,875,586.
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- Knauth, Berthold A. Mechanism for measuring linear flow in flowmeters as a function of rotary motion therein. 2,915,606, 12-1-59, Cl. 200-87.
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- Kneusel, Raymond H. P., to Crown Cork & Seal Co., Inc. Metal container having a metal plug and a plastic pouring spout surrounding said plug. 2,873,897, 2-17-59, Cl. 222-567.
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- Knickerbocker Plastic Co., Inc.: See—  
Chaplar, Rudolph W. 2,880,640.
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- Knight, Arthur R. Coupling means for barges and the like. 2,917,018, 12-15-59, Cl. 114-235.
- Knight, Basil E., to C.A.V. Ltd. Air filters. 2,891,631, 6-23-59, Cl. 183-36.
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- Knight, Harmon M.: See—  
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- Lee, Robert J., Kelly, and Knight. 2,918,504.
- Knight, Henry D., to The British Thomson-Houston Co. Ltd. Electric discharge devices of the mercury cathode type. 2,886,732, 5-12-59, Cl. 313-164.
- Knight, Hogan B.: See—  
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- Knight, Leonard M., and R. Chapman. Steering mechanism for camera dolly. 2,901,265, 8-25-59, Cl. 280-91.
- Knight, Lorin, to The British Tabulating Machine Co. Ltd. Electronic computing apparatus. 2,873,366, 2-10-59, Cl. 250-27.
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- Knight, Robert L. Bathtub cleaning apparatus. 2,870,457, 1-27-59, Cl. 4-173.
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- Bray, Frederick H., and Knight. 2,906,888.
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- Knight, Warren N., to The British Petroleum Co. Ltd. Thermal reforming of a catalytic reformat. 2,897,132, 7-28-59, Cl. 203-65.
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- Knights, James, Co., The: See—
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- Knoblock, Frederick D., and A. C. Koett, to Auto Glass Mfg. Co. Folding support base for table top. 2,902,325, 9-1-59, Cl. 311-37.
- Knoche, Raymond E. Apparatus for feeding loose-leaf metal of assembling a color television tube. 2,871,087, 1-27-59, Cl. 316-19.
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- Knodel, Carl W., Jr. Vehicle window screen. 2,881,831, 4-14-59, Cl. 160-105.
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- Knoebel, Walter C., to McQuay-Norris Mfg. Co. Piston ring assembly. 2,918,340, 12-22-59, Cl. 309-44.
- Knohl, Herbert, to The Kendall Co. Surgical stocking. 2,883,842, 4-28-59, Cl. 66-178.
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- Knoll A.G., Chemische Fabriken: See—
- Hildebrandt, Gustav. 2,915,553.
- Kallischnig, Rolf. 2,879,271.
- Kraft, Helmut. 2,909,465.
- Knoll Associates, Inc.: See—
- Savage, Robert H., and Schultz. 2,900,014.
- Knoll-Drake Products, Inc.: See—
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- Knoll, Karl, and G. Gahn, to Siemens-Schuckertwerke Aktiengesellschaft. High temperature-resisting insulating coatings of increased durability and methods of producing same. 2,906,009, 9-29-59, Cl. 29-195.
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- Pritchett, Wilson S. 2,911,591.
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- Ueckert, Ernst. 2,875,737.
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- Knott, Florian F. Manufacture of thiophosphorylchloride. 2,915,361, 12-1-59, Cl. 23-14.
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- Petrick, Russell E. 2,886,274.
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- Kobus, Anton: See—
- Ziesche, Kurt, Kobus, and May. 2,905,020.
- Kobusch, Helmut: See—
- Darmann, Otto, Kobusch, and Speith. 2,900,285.
- Kobylinski, Alfred W., to United States of America, Navy. Positive cable terminal nut locking device. 2,879,089, 3-24-59, Cl. 287-75.
- Kocay, Witold R., and A. O. Mogensen, to American Cyanamid Co. Apparatus embodying a liquid applicator. 2,885,878, 5-12-59, Cl. 68-205.
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- Kocen, Leonard A.: See—
- Goodman, Walter. 2,872,090.
- Koch, Alfred R., to Minneapolis-Honeywell Regulator Co. Safety control system. 2,882,456, 4-14-59, Cl. 317-141.
- Koch, Carl. Photographic camera. 2,909,974, 10-27-59, Cl. 95-11.
- Koch, Earl E., and H. G. McCarty, to Sperry Rand Corp. Yoke retainer for separable drive shafts between vehicles. 2,885,015, 5-5-59, Cl. 180-14.
- Koch Engineering Co., Inc.: See—
- Koch, Fred C. 2,887,307.
- Koch, Fred C. 2,889,003.
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- Thrift, Griffin C. 2,903,251.
- Koch, Eugene C., and K. J. Ray, to Foster Wheeler Corp. Electric fluid heater. 2,868,944, 1-13-59, Cl. 219-38.
- Koch, Fred C., to Koch Engineering Co., Inc. Industrial water cooling tower. 2,887,307, 5-19-59, Cl. 261-24.
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- Koch, Fred C., and W. D. Shields, to Voss Engineering Co. Radial tilt roller levelers. 2,890,738, 6-16-59, Cl. 153-107.
- Koch, Friedrich-Karl: See—
- Louis, Claus, Sieber, and Koch. 2,867,823.
- Koch, Fritz, to W. Koch. Magnet game or toy. 2,908,110, 10-13-59, Cl. 46-238.
- Koch, Gustav H., and R. S. Radcliffe, to Westinghouse Electric Corp. Air translating apparatus. 2,872,988, 2-10-59, Cl. 170-169.
- Koch, H. & Sons: See—
- Gaylord, John A. 2,895,200.
- Koch, Hans J.: See—
- Koch, Hans R. W. A. and H. J. 2,895,720.
- Koch, Hans R. W. A. and H. J. Apparatus for treating granular material. 2,895,720, 7-21-59, Cl. 259-5.
- Koch, Henry J., to National Union Radio Corp., now by change of name to National Union Electric Corp. Method of manufacturing an electron tube. 2,889,670, 6-9-59, Cl. 53-9.
- Koch, Herbert, and W. Huisken, to Studiengesellschaft Kohle mit beschränkter Haftung. Process for the production of carboxylic acids. 2,876,241, 3-3-59, Cl. 260-413.
- Koch, Leonard J., to United States of America, Atomic Energy Commission. Method and apparatus for improving performance of a fast reactor. 2,870,076, 1-20-59, Cl. 204-193.2.
- Koch, Leonard J., to United States of America, Atomic Energy Commission. Indexing mechanism. 2,905,338, 9-22-59, Cl. 214-1.
- Koch, Melvin B., to Animal Trap Co. of America. Automatic carton packing machine. 2,900,773, 8-25-59, Cl. 53-62.
- Koch, Paul H., to The Babcock & Wilcox Co. Method of and apparatus for vapor superheat temperature control with gas recirculation. 2,871,833, 2-3-59, Cl. 122-478.
- Koch, Paul H., to The Babcock & Wilcox Co. Vapor generating and superheating unit with recirculated gas introduction to a pulverized coal fired furnace for superheat control. 2,882,871, 4-21-59, Cl. 122-478.
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- Koch, Paul H., to The Babcock & Wilcox Co. Steam generating and superheating unit with recirculated gas introduction at one end of hopper bottom furnace. 2,897,796, 8-4-59, Cl. 122-478.
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- Koch Refrigerators, Inc.: See—
- Litman, Chester K. 2,883,253.
- Koch, Richard C., to I. D. E. A., Inc. Transistor oscillator-mixer with received and local oscillations applied between emitter and base. 2,880,312, 3-31-59, Cl. 250-20.
- Koch, Richard C., to I. D. E. A., Inc. Transistor radio apparatus. 2,892,931, 6-30-59, Cl. 250-20.
- Koch, Robert C., to The Firestone Tire & Rubber Co. Coated tubeless tire chafer strip. 2,879,824, 3-31-59, Cl. 152-362.
- Koch, Robert C., to The Firestone Tire & Rubber Co. Tire chafer. 2,905,222, 9-22-59, Cl. 152-362.
- Koch, Robert H., General Motors Corp. Method of making bearings. 2,913,859, 11-24-59, Cl. 51-291.
- Koch, Royal G., and H. O. Spaulding. Valve for liquid reservoirs and particularly for water closets with water control means. 2,869,141, 1-20-59, Cl. 4-56.
- Koch, Walter, to Manufacturers Chemical Corp. Preparation of diffusion coatings on metals. 2,887,407, 5-19-59, Cl. 117-107.
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- Koch, Werner, to Faber & Schleicher Akt. Gripper for use in printing machines. 2,882,049, 4-14-59, Cl. 271-79.
- Koch, Werner, to Faber & Schleicher Akt. Device for drying the blanket cylinders in offset printing machines. 2,884,855, 5-5-59, Cl. 101-142.



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- Koch, Wolfgang: See—  
Koch, Fritz. 2,908,110.
- Kochale, Ernest P., Jr.: See—  
Akely, William S., and Kochale. 2,914,657.
- Kochendorfer, Fredrick A. Combined dishwasher and sink apparatus. 2,912,988, 11-17-59, Cl. 134-58.
- Kocher, Earl T., to Visco Products Co. Surface active dicarboxylic acid esters of polyalkylene oxides. 2,911,434, 11-3-59, Cl. 260-475.
- Kocher, Erich J., to The Vilter Mfg. Co. Refrigerant receiver and oil separator. 2,867,098, 1-6-59, Cl. 62-473.
- Kocher, Erich J., and W. I. Grant, to The Vilter Mfg. Co. Refrigerated hermetically sealed motors. 2,891,391, 6-23-59, Cl. 62-475.
- Kocher, Erich J., and S. A. Tomkowiak, to The Vilter Mfg. Co. Gauge mounting. 2,897,675, 8-4-59, Cl. 73-420.
- Kochevar, Henry J., to Bendix Aviation Corp. Electronic bias switch. 2,890,332, 6-9-59, Cl. 250-2.
- Kochevar, Joseph F., and J. H. Reihwein, to Revco, Inc. Blower wheel construction. 2,915,240, 12-1-59, Cl. 230-134.
- Kochhelm, Gerhard: See—  
Kuntz, Josef. 2,803,225.
- Kochjohann, Ernst: See—  
Thielen, Anton, and Kochjohann. 2,889,574.
- Koci, Jerry C., to Chicago Dynamic Industries, Inc. Sliding disc game. 2,878,022, 3-17-59, Cl. 273-126.
- Koci, Ludvik J.: See—  
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- Koci, Ludvik J., to Sunbeam Corp. Calendar mechanism. 2,886,910, 5-19-59, Cl. 40-112.
- Koci, Ludvik J., to Sunbeam Corp. Combined waffle baker and grill. 2,899,888, 8-18-59, Cl. 99-331.
- Kock, Winston E.: See—  
Bogert, Bruce P., and Kock. 2,890,285.
- Kock, Winston E., to Bell Telephone Laboratories, Inc. Acoustic transmission systems. 2,872,994, 2-10-59, Cl. 181-5.
- Kock, Winston E., to Bell Telephone Laboratories, Inc. Apparatus for utilization of higher order acoustic waves. 2,912,061, 11-10-59, Cl. 181-31.
- Kock, Winston E., and R. L. Miller, to Bell Telephone Laboratories, Inc. Two-way television over telephone lines. 2,895,005, 7-14-59, Cl. 178-5.6.
- Kocks, Friedrich. Apparatus for making slotted tubes. 2,911,030, 11-3-59, Cl. 153-32.
- Kocks, Friedrich. Apparatus for conveying ingots and the like. 2,919,125, 12-29-59, Cl. 266-5.
- Kocks, Friedrich, and A. Hinkel. Inductor device. 2,873,344, 2-10-59, Cl. 219-10.43.
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- Kosci, Louis. Speed limiting device for vehicles. 2,906,141, 9-29-59, Cl. 74-482.
- Koda, Arthur J., to C. P. Clare & Co. Contact structure for mercury relays. 2,914,634, 11-24-59, Cl. 200-112.
- Koda, Arthur J., and J. W. Scannell, to C. P. Clare & Co. Center stable polar relay. 2,888,533, 5-26-59, Cl. 200-93.
- Koda, Nobuo J.: See—  
Smith, George F., and Koda. 2,887,597.
- Kodama, George T., deceased, by L. T. Kodama, administrator, to Sprague Electric Co. Electrical capacitor. 2,895,093, 7-14-59, Cl. 317-242.
- Kodama, Koretaka: See—  
Kanamori, Kuro, Endo, Kodama, and Tokuhisa. 2,918,365.
- Kodama, Lloyd T.: See—  
Kodama, George T. 2,895,093.
- Kodra, Esper, to Joy Mfg. Co. Compressor. 2,873,061, 2-10-59, Cl. 230-212.
- Kodra, Esper, and E. J. Doperski, to Joy Mfg. Co. Piston assembly. 2,911,271, 11-3-59, Cl. 309-29.
- Kodras, Rudolph, to International Minerals & Chemicals Corp. Synthesis of glutamic acid. 2,897,209, 7-28-59, Cl. 260-326.3.
- Kodras, Rudolph, to International Minerals & Chemical Corp. Glutamic acid compound. 2,904,555, 9-15-59, Cl. 260-339.
- Koe, Billie K.: See—  
Celmer, Walter D., and Koe. 2,891,051.
- Koebel Diamond Tool Co.: See—  
Jahnke, David H. 2,870,993.
- Koehl, Frank J., to Ford Motor Co. Brake actuating mechanism for motor vehicle. 2,869,394, 1-20-59, Cl. 74-520.
- Koehl, Herman, to C. E. M. Co. Button with interchangeable inlay. 2,881,495, 4-14-59, Cl. 24-113.
- Koehl, Herman, to C.E.M. Co. Self coring grommet. 2,901,800, 9-1-59, Cl. 24-141.
- Koehler Aircraft Products Co.: See—  
Koehler, Gordon T. 2,869,577.
- Koehler, Gordon T.: See—  
Koehler, Gordon T. 2,916,255.
- Koehler, Albert T., H. Palmleaf, and M. E. Ross, to A. J. Gerrard & Co. Strapping seal and package therefor. 2,881,915, 4-14-59, Cl. 206-65.
- Koehler, Edwin H. Slide fastener guard. 2,911,699, 11-10-59, Cl. 24-205.15.
- Koehler, Gordon T., to Koehler Aircraft Products Co. Fluid quantity control. 2,869,577, 1-20-59, Cl. 137-414.
- Koehler, Gordon T., to Koehler Aircraft Products Co. Diaphragm valve. 2,916,255, 12-8-59, Cl. 251-331.
- Koehler Mfg. Co.: See—  
Lozeau, Homer A. 2,898,539.
- Poole, Alton B. 2,912,479.
- Koehler, Max. Piston ring and method of making same. 2,910,333, 10-27-59, Cl. 309-44.
- Koehler, Robert B., to International Business Machines Corp. Gas tube accumulator carry circuit. 2,872,108, 2-3-59, Cl. 235-61.
- Koelle, Otto, to Will Corp. Flexible coupled manometer. 2,894,393, 7-14-59, Cl. 73-401.
- Koehn, Lorenz: See—  
Brilne, Herbert, and Koehn. 2,872,060.
- Koehring Co.: See—  
Martinson, Edwin O. 2,885,043.
- Purcell, Howard M. 2,913,994.
- Roberts, Howard C. 2,880,985.
- Koelwijn, Arle, to North American Philips Co., Inc. Glow discharge tube. 2,872,608, 2-3-59, Cl. 313-198.
- Koelsch, Albert C., Jr., and R. B. De Lano, Jr., to International Business Machines Corp. Electro-optical display apparatus. 2,909,973, 10-27-59, Cl. 95-45.
- Koelsch, Henry J. Lever tool. 2,891,766, 6-23-59, Cl. 254-120.
- Koelsch, Walter: See—  
Pistor, Hans J., and Koelsch. 2,878,258.
- Koenecke, Donald F., to Esso Research and Engineering Co. Viscosity stable oxidized polymer solutions. 2,908,585, 10-13-59, Cl. 106-287.
- Koenig, Emil L., deceased, C. Peterson, executor. Detector and lock control for drawbridge lift rails. 2,875,325, 2-24-59, Cl. 246-118.
- Koenig, Eugene H., to Keuffel & Esser Co. Scribing instrument. 2,902,760, 9-8-59, Cl. 30-164.9.
- Koenig, Eugene H., to Keuffel & Esser Co. Scribing instrument. 2,902,761, 9-8-59, Cl. 30-164.9.
- Koenig, Gerald W.: See—  
Koenig, Roger T., and G. W. 2,915,333.
- Koenig, Joseph L., to Koenig & Uekermann K.G. Detachable collar construction. 2,885,682, 5-12-59, Cl. 2-124.
- Koenig, Karl T., to North American Aviation, Inc. Locking device for torqued nuts. 2,880,637, 4-7-59, Cl. 81-10.
- Koenig, Martin F., to Cutler-Hammer, Inc. Electric switches of the cam-lever-operated type. Re. 24,725, 10-27-59, Cl. 200-153.
- Koenig, Martin F., to Cutler-Hammer, Inc. Electric switches of the cam-lever-operated type. 2,868,929, 1-13-59, Cl. 200-153.
- Koenig, Martin F., to Cutler-Hammer, Inc. Snap switches. 2,918,544, 12-22-59, Cl. 200-76.
- Koenig, Nathan H., and D. Swern, to United States of America, Agriculture. (Alkylthio)-, (acetylthio)- and (arythio)-undecanoic acids. 2,892,852, 6-30-59, Cl. 260-400.
- Koenig, Nathan H., and D. Swern, to United States of America, Agriculture. (Alkyl and aryl sulfonyl)- and (alkyl and aryl sulfonyl)-undecanoic acids. 2,892,853, 6-30-59, Cl. 260-400.
- Koenig, Paul H.: See—  
De Pew, Thomas N., Sardo, and Koenig. 2,873,935.
- Koenig, Paul W., to General Electric Co. Semiconductor devices. 2,876,399, 3-3-59, Cl. 317-234.
- Koenig, Robert H., to Tapeswitch Corp. of America. Tape switch. 2,896,042, 7-21-59, Cl. 200-86.
- Koenig, Roger T., and G. W. Irrigation pipe carrier. 2,915,333, 12-1-59, Cl. 294-104.
- Koenig & Uekermann K.G.: See—  
Koenig, Joseph L. 2,885,682.
- Koenig, Walter, Jr., to Bell Telephone Laboratories, Inc. Relay chain circuit. 2,895,088, 7-14-59, Cl. 317-139.
- Koenig, William E. Juice extractor. 2,870,653, 1-27-59, Cl. 74-721.
- Koenigsberg, Max, to The Englander Co., Inc. Innerspring foam mattress. 2,874,389, 2-24-59, Cl. 5-351.
- Koepke, John F., J. J. Zimsky, and W. A. Mocker, to McGraw-Edison Co. Encased electrical apparatus having pressure relief means. 2,904,616, 9-15-59, Cl. 174-11.
- Koepfel, Beverly W., to Seismograph Service Corp. Radio location system. 2,871,474, 1-27-59, Cl. 343-105.
- Koepfel, Fred K.: See—  
Kunkel, Gerhardt P., and Koepfel. 2,894,263.
- Kunkel, Gerhardt P., and Koepfel. 2,915,083.
- Koerber, William C. Automotive indicator. 2,912,776, 11-17-59, Cl. 40-70.
- Koerner, Harry E.: See—  
Guentner, Robert L., and Koerner. 2,892,089.
- Koerner, Harry E., to Westinghouse Electric Corp. X-ray apparatus. 2,892,090, 6-23-59, Cl. 250-66.
- Koert, Hubert: See—  
Bader, Erich, and Koert. 2,894,932.
- Koeske, Tom J., to Chain Belt Co. Cantilevered chain take-up for settling tanks. 2,909,274, 10-20-59, Cl. 198-208.
- Koester, Charles J., to American Optical Co. Half-shade devices for use with polarizing instruments. 2,880,648, 4-7-59, Cl. 88-39.
- Koester, Melvin C., to Libbey-Owens-Ford Glass Co. Shipping container for glass sheets. 2,873,024, 2-10-59, Cl. 206-62.
- Koester, Roland: See—  
Ziegler, Karl, and Koester. 2,909,547.
- Koetke, Friedrich A. K., to Dreher Mfg. Co. Artificial joint. 2,877,033, 3-10-59, Cl. 287-99.

- Koets, Augustinus A. A. M., J. C. van Vessum, and W. A. Roovers, to North American Philips Co., Inc. Semi-conductor device. 2,877,392, 3-10-59, Cl. 317-234.
- Koett, Albert C.: See—  
Knoblock, Frederick D., and Koett. 2,902,325.
- Kofahl, David C., to Richfield Oil Corp. Releasing head for submarine conductor casing. 2,917,281, 12-15-59, Cl. 255-2.5.
- Koffler, Robert W.: See—  
Richmond, Francis M., Pennington, and Koffler. 2,909,426.
- Koffler, Sol. Feet for luggage. 2,895,574, 7-21-59, Cl. 190-37.
- Kofoed, Ione E.: See—  
Darnutzer, Donna J., Marsh, and Kofoed. 2,892,909.
- Koft, Emil, Jr.: See—  
Clapetta, Frank G., Koft, and Meisel. 2,876,268.
- Kogan, Jack. Window screen for an automobile. 2,873,800, 2-17-59, Cl. 160-180.
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- Koh-i-noor Prosecc n. Nisou, narodni podnik: See—  
Cupak, Karel. 2,902,878.
- Cupak, Karel. 2,905,002.
- Kohinoor, Waldes, Inc.: See—  
Erdmann, Hans. 2,900,107.
- Kohl, Douglas A., to General Mills, Inc. Masking method of producing a humidity sensor. 2,906,648, 9-29-59, Cl. 117-211.
- Kohl, Douglas A., to General Mills, Inc. Coating and grinding method of making a humidity sensor. 2,908,595, 10-13-59, Cl. 117-212.
- Kohl, Gerald C. Self-retracting nozzle unit for subsurface water sprinkler systems. 2,901,183, 8-25-59, Cl. 239-205.
- Kohl, Karl, to Karl Mayer, Erste Hessische Wirkmaschinen-Fabrik G.m.b.H. Needle holder. 2,902,847, 9-8-59, Cl. 66-114.
- Kohlenscheldungs-Gesellschaft m. b. H.: See—  
Braun, Georg. 2,899,942.
- Fischer, Adalbert. 2,873,037.
- Korner, Alfred. 2,917,011.
- Krug, Julius, and Goltz. 2,917,248.
- Steinert, Gerhard. 2,902,010.
- Kohler, Daniel C. Brake system for tractor trailers. 2,905,273, 9-22-59, Cl. 188-3.
- Köhler, Eduard. Dispensing machine. 2,904,215, 9-15-59, Cl. 221-81.
- Kohler, Fred. Arc suppressor for dielectric heating equipment. 2,896,055, 7-21-59, Cl. 219-10.77.
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- Kohler, Frederick K.: See—  
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- Köhler, Gerhard A., to Schless Akt. Twisting spindle. 2,875,573, 3-3-59, Cl. 57-102.
- Kohler, Hans W., to United States of America, Army. Generation of waves having accurately predetermined phase settings. 2,910,586, 10-27-59, Cl. 250-27.
- Kohler, Hans W., to United States of America, Army. Electronic direction sensitive doppler device. 2,911,641, 11-3-59, Cl. 343-12.
- Kohler, Jacob W. L.: See—  
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- Jonkers, Cornelius O., and Köhler. 2,897,655.
- Van der Ster, Johannes, and Köhler. 2,875,587.
- Köhler, Jacob W. L., to North American Philips Co., Inc. Single-acting hot-gas reciprocating engine. 2,872,779, 2-10-59, Cl. 60-24.
- Köhler, Jacob W. L., to North American Philips Co., Inc. Gas fractionating system including a vapor lift pump. 2,889,686, 6-9-59, Cl. 62-6.
- Köhler, Jacob W. L., and J. J. W. Den Haan, to North American Philips Co., Inc. Metal piston. 2,898,166, 8-4-59, Cl. 309-23.
- Köhler, Jacob W. L., and H. Fokker, to North American Philips Co., Inc. Cold-gas refrigerating apparatus. 2,907,175, 10-6-59, Cl. 62-6.
- Kohler, Paul F., and F. K. Sinkers-retrieving jack-spring and operating mechanism. 2,892,332, 6-30-59, Cl. 66-110.
- Kohler, Paul, D. Porret, and F. Tetaz, to Ciba Ltd. Process for the manufacture of trialkyl phosphites. 2,905,705, 9-22-59, Cl. 260-461.
- Kohler, Rudolf, and W. Dierich, to Henkel & Cie. G.m.b.H. Amides of alginic acid. 2,881,161, 4-7-59, Cl. 260-209.6.
- Kohler, Rudolf, and H. Pietsch, to Henkel & Cie. G.m.b.H. Synthetic resins, and process of making same. 2,915,484, 12-1-59, Cl. 260-18.
- Köhler, Rudolf, and W. Dierichs, to Henkel & Cie. G.m.b.H. Product and process for the production of aqueous gels. 2,919,198, 12-29-59, Cl. 99-131.
- Köhler, Werner: See—  
Gieray, Konrad, Köhler, and Recken. 2,913,894.
- Köhler, Werner H., to Daimler-Benz Aktiengesellschaft. Indicating instrument with noise-absorbing properties, particularly a speedometer for vehicles. 2,915,304, 12-1-59, Cl. 264-1.
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- Kohlhagen, Walter, to The E. Ingraham Co. Commutator-type electric motor of temperature-controlled output torque. 2,891,182, 6-16-59, Cl. 310-40.
- Kohlhagen, Walter, to The E. Ingraham Co. Commutator-type electric motor of regulated output torque. 2,897,381, 7-28-59, Cl. 310-40.
- Kohlhagen, Walter, to The E. Ingraham Co. Commutator-type electric motor of regulated output torque. 2,905,839, 9-22-59, Cl. 310-40.
- Kohls, Erich E.: See—  
Rosenow, Monroe H., and Kohls. 2,908,307.
- Kohlwey, Johann F., and M. Klaffer, to American Enka Corp. Mop device having an integral flexible support and means for detachably coupling a sponge to said support. 2,877,478, 3-17-59, Cl. 15-119.
- Kohman, Girard T., to Bell Telephone Laboratories, Inc. Growing of quartz crystals. 2,895,812, 7-21-59, Cl. 23-301.
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- Kohman, Truman P., and B. B. Weissbourd, to United States of America, Atomic Energy Commission. Measuring apparatus. 2,874,306, 2-17-59, 250-83.6.
- Kohman, Wayne E.: See—  
Mangan, Paul C., and Kohman. 2,892,307.
- Kohn, Gustave K., to California Spray-Chemical Corp. Method of inhibiting corrosion of ferrous metal surfaces. 2,873,252, 2-10-59, Cl. 252-8.55.
- Kohn, James P.: See—  
Kurata, Fred, and Kohn. 2,900,797.
- Kurata, Fred, and Kohn. 2,901,326.
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- Kohn, Samuel T., to Sorensen & Co., Inc. Voltage regulator. 2,914,721, 11-24-59, Cl. 323-60.
- Kohn, Stéphane, to Forges et Ateliers de Constructions Electriques de Jeumont. Electric circuit-breakers. 2,878,402, 3-17-59, Cl. 307-133.
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- Köhner, Melvin, and J. A. Wright, to Supreme Products Corp. Cutters for electric shavers. 2,900,719, 8-25-59, Cl. 30-43.
- Kohraki, Tazuo. Plunger pump assembly. 2,890,656, 6-16-59, Cl. 103-5.
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- Koivisto, Sulo C., and C. W. van't Veld. Portable refrigeration unit. 2,871,674, 2-3-59, Cl. 62-232.
- Kojima, Seichi. Method of making laminated furniture or part thereof. 2,903,390, 9-8-59, Cl. 154-125.
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- Kok, Cornelis J. M. Door latch. 2,881,020, 4-7-59, Cl. 292-78.
- Kokes, Richard J.: See—  
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- Kokko, Paul N. Collapsible steering column. 2,905,018, 9-22-59, Cl. 74-493.
- Kokus, Michael: See—  
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- Kokusai Denki Kabushiki Kaisha: See—  
Ichijo, Bunjiro. 2,906,950.
- Kokusai Denkin Denwa Co., Ltd.: See—  
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- Kolar, Joseph F. Valve actuator for fluid connector. 2,896,971, 7-28-59, Cl. 284-4.
- Kolar, Peter D.: See—  
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- Kolb, Armstrong H. Two-legged folding table construction. 2,879,118, 3-24-59, Cl. 311-80.
- Kolb, Arthur F.: See—  
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- Kolb, Kenneth E., to Standard Oil Co. Process for preparing glycol esters of benzene dicarboxylic acids. 2,901,505, 8-25-59, Cl. 260-475.
- Kolb, Paul, G. F. Arkless, and J. R. Bolter, to C. A. Parsons & Co. Ltd. Axial locking of rotor blades for turbines and the like. 2,867,408, 1-6-59, Cl. 253-77.
- Kolb, Walter J. Traffic signal adaptor unit. 2,871,599, 2-3-59, Cl. 40-131.
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- Müller, Wilhelm. 2,891,709.
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- Kolbe, William H., to General Motors Corp. Fuel injection enrichment device. 2,911,203, 11-3-59, Cl. 261-37.
- Köbel, Herbert, and F. Ackermann. Apparatus for carbon monoxide hydrogenation. 2,868,627, 1-13-59, Cl. 23-288.
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- Koletsky, Harold S. Self-balancing temperature responsive system. 2,877,650, 3-17-59, Cl. 73-360.
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Vesterdal, Hans G., and Kolfenbach. 2,879,785.
- Kollmbat, Peter, to J. K. Gardner. Means for mounting blades in woodworking chippers. 2,889,861, 6-9-59, Cl. 144-219.
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- Kolka, Alfred J.: See—  
Closson, Rex D., Ligett, and Kolka. 2,868,842.
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- Koller, Eugen J.: See—  
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- Kölliker, Hans P.: See—  
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- Kollmann, Karl J. Reel for a garden hose. 2,911,996, 11-10-59, Cl. 137-355.12.
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Kollmorgen, Ernst O., and Wintle. 2,909,838.  
Rawlings, John L., and Claffardini. 2,884,831.
- Kollock, Alan S. Film holder. 2,894,141, 7-7-59, Cl. 250-68.
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McLaughlin, Robert. 2,894,392.  
O'Maley, James B., Barnes, and Hansell. 2,905,828.  
Wengryn, Michael. 2,885,619.
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- Kolner, Samuel J., to Phillips Petroleum Co. Separation by crystallization. 2,886,587, 5-12-59, Cl. 260-475.
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- Kolpek, Robert A., to General Telephone Laboratories, Inc. Telegraph switching center arrangement. 2,905,745, 9-22-59, Cl. 178-2.
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Myers, Robert B. 2,894,632.
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- Kommanditbolaget Irving & Frisell: See—  
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- Kommanditgesellschaft Dr. Ing. Rudolf Hell: See—  
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- Komoril, Hironu. Seat attachment for a chair. 2,904,102, 9-15-59, Cl. 155-131.
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- Kongable, Lowell S., to Motorola, Inc. Horizontal sweep circuit. 2,886,741, 5-12-59, Cl. 315-27.
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- Kontak Mfg. Co. Ltd.: See—  
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- Konwya, Robert J. Curb and pavement finishing machine. 2,881,683, 4-14-59, Cl. 94-45.
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- Koob, Bernard H., to Lynch Corp. Timer for container manufacturing machines. 2,881,803, 4-14-59, Cl. 137-634.
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- Koon, Raymond E. Refrigerator with freezing and normal cooling compartments. 2,869,331, 1-20-59, Cl. 62-207.
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- Koonz, John C., to The Magnavox Co. Power generating device for projectiles. 2,873,678, 2-17-59, Cl. 102-70.
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- Koopman, Hermannus: See—  
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- Koos, Milton, Jr. Wire stripper. 2,902,894, 9-8-59, Cl. 81-9.5.
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- Koot, Paul, to American Enka Corp. Cellulose sponge composition containing polyethylene terephthalate fiber and method of making. 2,914,493, 11-24-59, Cl. 260-2.5.
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- Kopf, Joseph L., to Jabez Burns & Sons, Inc. Method of roasting. 2,887,383, 5-19-59, Cl. 99-68.
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Kozacka, Joseph S., to Skill Corp. Abrasive unit. 2,895,267, 7-21-59, Cl. 51—194.  
Kozak, John, to Owens-Illinois Glass Co. Apparatus and method for applying conductive coatings to insulators. 2,867,551, 1-6-59, Cl. 117—201.  
Kozakiewicz, Bernice A.: See—  
Nagle, Floyd B., Ruffing, Wright, Kozakiewicz, and Roche. 2,915,482.  
Kozel, Harry: See—  
Nicholas, William, and Kozel. 2,899,164.  
Kozel, James A.: See—  
Rimsa, Victor E., and Kozel. 2,905,386.  
Kozel, James A., to The Dole Valve Co. Actuating valve. 2,918,937, 12-29-59, Cl. 137—620.  
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Kozel, James A., and V. E. Rimsa, to The Dole Valve Co. Thermostatically controlled mixing valve. 2,889,113, 6-2-59, Cl. 236—12.  
Kozeny, Oral A.: See—  
Crow, Lloyd R., Jr., Hays, and Kozeny. 2,914,592.  
Kozikowski, Felix, and F. A. Pearson, to Eagle Signal Corp. Delayed circuit closers. 2,900,049, 8-18-59, Cl. 188—8.  
Kozikowski, John, to Ethyl Corp. Friedel-Crafts reaction with metal cyclopentadienyl compounds. 2,916,503, 12-8-59, Cl. 260—429.  
Kozikowski, John, and M. L. Larson, to Ethyl Corp. Process for the preparation of hydrocarbon manganese carbonyl compounds. 2,870,180, 1-20-59, Cl. 260—429.  
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Benfield, John D., and Kozinski. 2,906,149.  
Kozlovic, John M., and R. E. Frink, to Westinghouse Electric Corp. Circuit interrupters. 2,889,433, 6-2-59, Cl. 200—144.  
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Hensen, Carl W., and Kozlow. 2,901,631.  
Kozub, Stanley S. Drive assembly for automobiles. 2,909,233, 10-20-59, Cl. 180—73.  
Krazay, Robert A., to Western Electric Co., Inc. Apparatus for dynamically gaging relay contacts. 2,916,692, 12-8-59, Cl. 324—28.

Kraayeveld, Peter J., and A. J. Kemper, to North American Phillips Co., Inc. Device for determining the relative deviation in percent of the mean frequencies of pulse sources. 2,904,690, 9-15-59, Cl. 250—83.3.  
Kraayeveld, Pieter J.: See—  
Hermesen, Johannes, and Kraayeveld. 2,899,582.  
Krach, Ray W.: See—  
Rose, Clarence W., Krach, and Ross. 2,886,227.  
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Kracker, Herbert, F. Bauer, W. Klrt, R. Lowenfeld, and W. Staab, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Azo-dye-stuffs insoluble in water. 2,908,679, 10-13-59, Cl. 260—188.  
Kracker, Herbert, and H. Albert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Solid, stable diazonium compounds. 2,914,521, 11-24-59, Cl. 260—141.  
Kradion Corp.: See—  
Kramer, Irving, and Dion. 2,887,948.  
Kraeger, Gordon W., to United States of America, Navy. Trigger synchronizing system for sequential lobing radar installations. 2,907,025, 9-29-59, Cl. 343—16.  
Kraemer, Clifford J.: See—  
Bandfield, Russell E., and Kraemer. 2,886,171.  
Kraemer, Ludwig J. Carriage with reversible body. 2,886,340, 5-12-59, Cl. 280—47.39.  
Kraemer, Rudolf C. Jar lid lifter. 2,895,630, 7-21-59, Cl. 215—46.  
Kraemer, Willis F. Fixture protecting apron for use while shaving. 2,876,471, 3-10-59, Cl. 15—1.  
Kraft, Joseph M. Device for determining axial force exerted by a screw from torque measurements. 2,888,825, 6-2-59, Cl. 73—139.  
Kraft, August L.: See—  
Amerlo, Pasquale, and Kraft. 2,882,697.  
Kraft, El Roy J., to The Dole Valve Co. Water tempering valve. 2,895,076, 7-21-59, Cl. 236—12.  
Kraft Foods Co.: See—  
Ganter, Bertin C. 2,874,821.  
Loew, Theodore. 2,871,515.  
Stapf, Robert J. 2,885,292.  
Kraft, George H. H. W. Grossen, and K. Bell, to National Dairy Products Corp. Wrapper feed mechanism. 2,869,868, 1-20-59, Cl. 271—31.  
Kraft, Helmut, to Knoll A.-G., Chemische Fabriken. 1,4-diphenyl-3,5-diketo pyrazolidine compounds and compositions. 2,909,465, 10-20-59, Cl. 167—65.  
Kraft, Herman T., to The General Tire and Rubber Co. Method and apparatus for applying preformed bands to a tire building machine. 2,871,912, 2-3-59, Cl. 154—9.  
Kraft, Herman T., to The General Tire & Rubber Co. Vehicle suspension and brake system. 2,909,244, 10-20-59, Cl. 188—29.  
Kraft, Joseph K., and L. R. Rissler, to Westinghouse Electric Corp. Elevator closure systems. 2,878,898, 3-24-59, Cl. 187—32.  
Kraft, Richard A.: See—  
Massman, Albert W., and Kraft. 2,872,512.  
Kraft, Richard A., to Motorola, Inc. Television receiver. 2,872,510, 2-3-59, Cl. 178—7.3.  
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Kraft, Richard A., to Motorola, Inc. Non-blocking wave receiver circuit with automatic gain control. 2,885,473, 5-5-59, Cl. 178—7.3.  
Kraft, Wheaton W., to The Lummus Co. Distillation in stages. 2,881,136, 4-7-59, Cl. 208—354.  
Kraft, William M., to Heyden Newport Chemical Corp. Pentaerythritol-acrolein reaction products and method of producing same. 2,870,121, 1-20-59, Cl. 260—67.  
Kraft, William M., to Heyden Newport Chemical Corp. Modified acrolein-pentaerythritol reaction products and their production. 2,915,498, 12-1-59, Cl. 260—47.  
Kraft, William M., and H. M. Metz, to Heyden Newport Chemical Corp. Benzole acid-modified alkyd resins and their production. 2,915,488, 12-1-59, Cl. 260—22.  
Kraftson, Harry A., and E. M. Yard, to Leeds and Northrup Co. Systems for obtaining gas samples for analysis. 2,895,335, 7-21-59, Cl. 73—421.5.  
Kragh, James W.: See—  
Culleton, Robert J., and Kragh. 2,899,114.  
Krahe, Lawrence R., to Andrew Corp. Combination feed for reflector dish-type antenna. 2,898,591, 8-4-59, Cl. 343—782.  
Krahn, Vincent F., to Ford Motor Co. Crop pickup mechanism. 2,893,537, 7-7-59, Cl. 198—104.  
Kralman, Eugene A., to Union Carbide Corp. Maleimide polymers. 2,890,206, 6-9-59, Cl. 260—63.  
Kralman, Eugene A., to Union Carbide Corp. Maleimide polymers. 2,890,207, 6-9-59, Cl. 260—78.  
Kraissl Co., Inc.: See—  
Walter, Andrew J., Jr. 2,899,232.  
Kraissl, Frederick, Jr. Air filter sump and jet. 2,890,763, 6-16-59, Cl. 183—49.  
Krajewski, Eugene: See—  
Lewis, Harold C. 2,893,118.  
Krajewski, Richard M., and H. C. Kelly, to The Dow Chemical Co. Stabilized ethyl cellulose hot melt compositions. 2,887,396, 5-19-59, Cl. 106—177.

Krajewski, Sophia: See—  
Lewis, Harold C. 2,893,118.  
Krakora, James J., Jr.: See—  
Farnet, Bernard S., and Krakora. 2,885,468.  
Krakusky, James J.: See—  
Hewitt, Ernest W., and Krakusky. 2,868,874.  
Krall, Friedrich, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Sealing elements, especially flanges, and process for their production. 2,899,535, 8-11-59, Cl. 219—69.  
Krall, Friedrich, W. Scheibe, and R. Schuster, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Concentric power connection for induction furnaces. 2,890,258, 6-9-59, Cl. 13—31.  
Krall, Richard C.: See—  
St. Clair, Theodore A., and Krall. 2,898,930.  
Kralowetz, Bruno. Milling cutter. 2,903,783, 9-15-59, Cl. 29—105.  
Kralowetz, Bruno. Stretch-forging machine. 2,903,923, 9-15-59, Cl. 78—20.  
Krambo, Victor P., and A. E. Stones, to Triplex Mfg. Co. Dual voltage flasher device. 2,917,604, 12-15-59, Cl. 200—113.  
Kramosak, Michael, Jr., to The Bassick Co. Brake-equipped caster. 2,878,899, 3-24-59, Cl. 188—2.  
Kramen, Frank H.: See—  
Pipes, George R., and Kramen. 2,918,191.  
Kramer, Andrew E. Vehicle roof clearance signal means. 2,894,087, 7-7-59, Cl. 200—61.44.  
Kramer, Cecil H. Fishing lure. 2,908,988, 10-20-59, Cl. 43—42.06.  
Kramer, Clarence F., to Ford Motor Co. Hood latch. 2,877,038, 3-10-59, Cl. 292—216.  
Kramer, Clarence F., to Ford Motor Co. Windshield wiper construction. 2,885,709, 5-12-59, Cl. 15—255.  
Kramer, Daniel E.: See—  
Malkoff, Hyman, and Kramer. 2,892,318.  
Kramer, Daniel E., to Mercer Engineering Co. Means and method for controlling high side pressure in heat transfer systems of the compression type. 2,869,330, 1-20-59, Cl. 62—117.  
Kramer, Eugene. Clamps. 2,898,069, 8-4-59, Cl. 248—226.  
Kramer, Franklin: See—  
Rosenthal, Harold, Kramer, and Steigmann. 2,886,444.  
Rosenthal, Harold, Kramer, Steigmann, and Tole. 2,886,443.  
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Kramer, Franklin, and H. Rosenthal, to General Foods Corp. Chewing gum and method of producing. 2,886,440, 5-12-59, Cl. 99—135.  
Kramer, Franklin, H. Rosenthal, and A. F. Tole, to General Foods Corp. Process for making chewing gum and product. 2,886,446, 5-12-59, Cl. 99—135.  
Kramer, Franklin, H. Rosenthal, and A. F. Tole, to General Foods Corp. Technique for making chewing gum and the resulting product. 2,886,447, 5-12-59, Cl. 99—135.  
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Kramer, Henry P., and M. V. Matthews, to Bell Telephone Laboratories, Inc. Reduction of redundancy and bandwidth. 2,911,476, 11-3-59, Cl. 179—15.55.  
Kramer, Howard O.: See—  
Dean, Gilbert L., and Kramer. 2,896,355.  
Kramer, Irving, and V. L. Dion, to Kradion Corp. Tea bag squeezer and spoon. 2,887,948, 5-26-59, Cl. 100—213.  
Kramer, Israel, to Mercer Engineering Co. Reversible air conditioning system with hot gas defrosting means. 2,878,654, 3-24-59, Cl. 62—278.  
Kramer, Israel, to Mercer Engineering Co. Refrigerating system with hot gas defrosting means and adapted for use with a low temperature compressor. 2,916,893, 12-15-59, Cl. 62—196.  
Kramer, Jack A. Folding serving tray for automobiles and the like. 2,889,051, 6-2-59, Cl. 211—74.  
Kramer, Jacob: See—  
Hoppe, William, and Kramer. 2,900,777.  
Kramer, Joseph, and G. E. Struble, to The Diamond Gardner Corp. Box. 2,916,196, 12-8-59, Cl. 229—52.  
Kramer, Leo, to Controls Co. of America. Impact electric switch construction. 2,899,519, 8-11-59, Cl. 200—104.  
Kramer, Max: See—  
Hilptmann, Karl, and Kramer. 2,886,580.  
Kramer, Max J., and R. N. Wagner, to Aluminum Co. of America. Power metering device. 2,901,701, 8-25-59, Cl. 324—117.  
Kramer, Nellius G.: See—  
Lufjckx, Willem L. L. M., and Kramer. 2,917,552.  
Kramer, Nelson H. Animal leash. 2,911,947, 11-10-59, Cl. 119—109.  
Kramer, Otto L. Detachable connecting means between a textile swatch and a post binder. 2,904,900, 9-22-59, Cl. 35—55.  
Kramer, Paul. Support for tampons. 2,877,767, 3-17-59, Cl. 128—270.  
Kramer, Paul H. Safety brake construction. 2,905,278, 9-22-59, Cl. 188—152.  
Kramer, Roger G.: See—  
Belser, Elmer H., and Kramer. 2,877,345.  
Kramer, Stanley L., to Fairchild Engine and Airplane Corp. System for testing electric signal transfer devices with parabolic testing signal. 2,909,726, 10-20-59, Cl. 324—57.  
Kramer, Trenton Co.: See—  
Malkoff, Hyman. 2,879,024.  
Malkoff, Hyman, and Kramer. 2,892,318.  
Kramer, Vance M., and L. W. Carlton. Recording apparatus. 2,879,953, 3-31-59, Cl. 242—54.  
Kramer, Vance M., and L. W. Carlton. Apparatus for use in making rubber tubing. 2,888,712, 6-2-59, Cl. 18—19.  
Kramer, Vance M., and L. W. Carlton. Spirally corrugated rubber tubing with integral cylindrical end connectors. 2,909,198, 10-20-59, Cl. 138—49.  
Kramer, Victor. Interleaved check and envelope inserts for check books. 2,887,326, 5-19-59, Cl. 281—3.  
Kramer, Waldemar, to A. O. Smith Corp. Material handling apparatus. 2,902,178, 9-1-59, Cl. 214—1.  
Kramig, Anna L.: See—  
Kramig, Robert E., Jr. 2,913,785.  
Kramig, Robert E., Jr. 2,913,788.  
Kramig, Robert E., Jr., deceased (A. L. Kramig, executrix and trustee of the estate of said R. E. Kramig, Jr.). Casting of ingots. 2,913,785, 11-24-59, Cl. 22—139.  
Kramig, Robert E., Jr., deceased (A. L. Kramig, executrix and trustee of the estate of said R. E. Kramig, Jr.). Method of casting ingots. 2,913,788, 11-24-59, Cl. 22—200.  
Kramis, Charles J., to E. I. du Pont de Nemours and Co. Production of sodium methoxide. 2,877,274, 3-10-59, Cl. 260—632.  
Kramskoy, Charles M., to Electric & Musical Industries Ltd. Electrical pulse generator chain circuits and gating circuits embodying such chain circuits. 2,906,569, 9-29-59, Cl. 250—27.  
Krance, Earl O.: See—  
Fouse, Samuel S., and Krance. 2,871,285.  
Krandall, Sidney. Finger ring having two internal finger gripping means with diverging ends. 2,873,586, 2-17-59, Cl. 63—15.6.  
Kraner, Hobart M., to Bethlehem Steel Co. Low fired silica brick. 2,901,367, 8-25-59, Cl. 106—69.  
Krantz, Evert, to A. B. Svenska Flaktfabriken. Circulating gaseous medium through rotating drums. 2,877,562, 3-17-59, Cl. 34—29.  
Krantz, Evert, to Aktiebolaget Svenska Flaktfabriken. Apparatus for supplying and mixing a liquid into a gaseous medium. 2,883,167, 4-21-59, Cl. 261—16.  
Krantz, Evert, and K. E. Sjalén, to Aktiebolaget Svenska Flaktfabriken. Apparatus for separating dust or liquid drops from a gaseous medium. 2,881,538, 4-14-59, Cl. 183—24.  
Krantz, Frank M., to United States of America, Air Force. Level indicating device. 2,910,782, 11-3-59, Cl. 33—206.  
Krantz, Frank M., and R. F. Huelskamp, to United States of America, Navy. Automatic range system transmission means. 2,867,128, 1-6-59, Cl. 74—378.  
Krantz, Hubert K., to Bell Telephone Laboratories, Inc. Electric circuit connector. 2,882,514, 4-14-59, Cl. 339—256.  
Krantz, Karl W., to General Electric Co. Reacting ethylene glycol with methylsiloxane to form water-soluble product. 2,887,467, 5-19-59, Cl. 260—46.5.  
Krantz, Karl W., to General Electric Co. Novel organosilicon compositions. 2,916,461, 12-8-59, Cl. 260—2.  
Kranz, Carl L., and T. A. Groner. Composition for building blocks. 2,899,325, 8-11-59, Cl. 106—93.  
Krapecho, John, and W. A. Lott, to Olin Mathieson Chemical Corp. Acid-addition, quaternary salts and method of preparing same. 2,918,470, 12-22-59, Cl. 260—286.  
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Krapf, John A. Valve mechanism for controlling delivery of fluid under pressure to a fluid operated motor. 2,891,518, 6-23-59, Cl. 121—46.5.  
Krasberg, Bruce. Die stop mechanism. 2,879,989, 3-31-59, Cl. 269—132.  
Krase, Fred J., and E. K. Olendzki, to H. K. Porter Co. (Delaware). Switch means. 2,897,323, 7-28-59, Cl. 200—146.  
Kraske, William A.: See—  
Wayman, Morris, Sherk, and Kraske. 2,882,965.  
Kraske, Abraham. Instantaneous coffee beverage. 2,885,290, 5-5-59, Cl. 99—77.1.  
Krasney, Norman: See—  
Prendergast, Frank L., and Krasney. 2,881,621.  
Krasney, Norman. Packaged goods dispensing machine. 2,884,110, 4-28-59, Cl. 194—10.  
Krasno, Maxwell R., to United States of America, Navy. Signal coupling device. 2,894,231, 7-7-59, Cl. 336—83.  
Krasnow, David and K. Belt buckle. 2,905,994, 9-29-59, Cl. 24—182.  
Krasnow, Kenneth: See—  
Krasnow, David and K. 2,905,994.  
Krasnow, Leonard L.: See—  
Furman, Louis J., and Krasnow. 2,908,205.  
Kraschew, Christoslaw. Refrigeration cooling of electrical machines. 2,898,484, 8-4-59, Cl. 310—52.







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- Kritchever, Mathew F., 25% to H. Dawson. Electrostatic discharge treating apparatus. 2,916,620, 12-8-59, Cl. 250-49.5.
- Kritz, Jack. Continuously indicating electroacoustic densitometer. 2,869,357, 1-20-59, Cl. 73-32.
- Kritz, Jack. Densitometer. 2,903,884, 9-15-59, Cl. 73-32.
- Kritz, Jack. Ultrasonic densitometer. 2,903,885, 9-15-59, Cl. 73-32.
- Kritz, Jack. Mass flow fluid measurement. 2,911,825, 11-10-59, Cl. 73-194.
- Kritz, Jack. Flowmeter. 2,911,826, 11-10-59, Cl. 73-194.
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- Kritzer, Richard W. Refrigerating apparatus. 2,892,321, 6-30-59, Cl. 62-196.
- Kritzer, Richard W. Baseboard radiators. 2,903,245, 9-8-59, Cl. 257-133.
- Kritzer, Richard W. Baseboard radiators. 2,903,246, 9-8-59, Cl. 257-133.
- Kritzer, Richard W. Radiators of the baseboard type. 2,903,247, 9-8-59, Cl. 257-137.
- Kritzer, Richard W. Fabrication of heat transfer units. 2,913,806, 11-24-59, Cl. 29-33.
- Krivaneck, Louis: See—
- Kirscht, Arthur A., and Krivaneck. 2,889,485.
- Krivis, Eugene H. Tool for drapery pins. 2,888,680, 6-2-59, Cl. 1-46.
- Krivousleff, Valentine: See—
- Bovie, Valentine. 2,901,838.
- Kriz, Robert F.: See—
- Kircher, Charles E., Jr., Jones, and Kriz. 2,880,076.
- Krizan, Roy. Damping means for vehicle dip and sway. 2,877,872, 3-17-59, Cl. 188-88.
- Krizka, Jerry S.: See—
- Welliver, Laurence G., and Krizka. 2,893,865.
- Welliver, Laurence G., and Krizka. 2,902,367.
- Krizka, Jerry S., to General Aniline & Film Corp. Stabilizer for single powder photographic developer. 2,915,394, 12-1-59, Cl. 96-66.
- Kroeger, Edward P., to The B. F. Goodrich Co. Vibration isolation mounting. 2,888,232, 5-26-59, Cl. 248-358.
- Kroeger, William J.: See—
- Schecter, George, and Kroeger. 2,918,005.
- Kroeger, William J., and S. D. Rollé. Single power stroke thruster with split cartridge case lock. 2,912,901, 11-17-59, Cl. 89-1.
- Kroemel, Rolf H. W., to Sealol Corp. Shaft seal for gas turbines and the like. 2,867,458, 1-6-59, Cl. 286-22.
- Kroemel, Rolf H. W., to Sealol Corp. Sealing ring assembly. 2,914,348, 11-24-59, Cl. 286-24.
- Kroemel, Rolf H. W., and W. F. Lubach, to United States of America, Navy. Pump. 2,883,213, 4-21-59, Cl. 286-11.14.
- Kroeker, Sanford P.: See—
- Lovelady, Isaac W., and Kroeker. 2,882,994.
- Kroemer, John H., and J. T. Davidson, to The Standard Register Co. Autographic register. 2,873,983, 2-17-59, Cl. 282-16.
- Kroenlein, Henry A. Ellipsograph. 2,879,596, 3-31-59, Cl. 33-31.
- Kroepelin, Hans, and H. Kopsch, to H. Kroepelin. Process for cracking hydrocarbons in the liquid state. 2,878,177, 3-17-59, Cl. 204-172.
- Kroeper, Hugo, F. Wirth, and O. Huchler, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of phthalic acid esters by the carbonylation of halogenated benzene compounds. 2,914,554, 11-24-59, Cl. 260-475.
- Krofta, Milos. Process and apparatus for waste liquid purification. 2,874,842, 2-24-59, Cl. 210-70.
- Krogel, Christopher J., to Western Electric Co., Inc. Automatic fluid distribution system. 2,900,176, 8-18-59, Cl. 259-95.
- Kröger, Ferdinand A., and D. de Nobel, to North American Phillips Co., Inc. Asymmetrically conductive device. 2,890,142, 6-9-59, Cl. 148-33.
- Kroger, Marlin G., to Motorola, Inc. Television receiver. 2,880,271, 3-31-59, Cl. 178-7.3.
- Kroger, Marlin G., to Motorola, Inc. Device for cathode ray tube. 2,880,339, 3-31-59, Cl. 313-75.
- Kroger, Marlin G., to Motorola, Inc. Automatic frequency control. 2,905,903, 9-22-59, Cl. 331-20.
- Kroger, Rudolf W. Permanently installed dual storm window. 2,871,933, 2-3-59, Cl. 160-41.
- Kroger, Wolf: See—
- Gossen, Hans, Kroger, and Illing. 2,879,702.
- Krohe, Walter: See—
- Kaulen, Robert, and Krohe. 2,883,961.
- Krohm, Fred A., to The Anderson Co. Control for use with a wiper motor. 2,877,659, 3-17-59, Cl. 74-502.
- Krohm, Fred A., to The Anderson Co. Drive shaft mechanism for windshield wiper arms. 2,878,506, 3-24-59, Cl. 15-253.
- Krohm, Fred A., to The Anderson Co. Valve structure in a fluid motor. 2,878,833, 3-24-59, Cl. 137-624.
- Krohm, Fred A., to The Anderson Co. Windshield wiper blade assembly and pressure device therefor. 2,897,529, 8-4-59, Cl. 15-245.
- Krohm, Fred A., to The Anderson Co. Defroster. 2,899,526, 8-11-59, Cl. 219-19.
- Krohm, Fred A., to The Anderson Co. Bag and support therefor. 2,908,462, 10-13-59, Cl. 248-95.
- Krohm, Fred A., to The Anderson Co. Windshield wiper arm. 2,918,690, 12-29-59, Cl. 15-255.
- Krohn, Gilbert S.: See—
- Caine, Roland H., and Krohn. 2,916,982.
- Krohn, Lawrence H.: See—
- Coleman, Eugene W., and Krohn. 2,891,167.
- Krokos, Raymond M., and M. Nichols, Jr., to Evans Products Co. Bicycle pedal. 2,899,842, 8-18-59, Cl. 74-594.4.
- Krol, Stanley J., and E. I. Coulon, to Malco Mfg. Co. Terminal lug. 2,914,745, 11-24-59, Cl. 339-220.
- Kroll, Alvin F., K. E. Atwood, and F. M. Mehle, to Bailey Meter Co. Density control. 2,886,031, 5-12-59, Cl. 137-91.
- Kroll, Eberhard. Apparatus for automatically placing articles in layers in containers particularly fish in barrels. 2,883,816, 4-28-59, Cl. 53-244.
- Kroll, Emanuel: See—
- Owens, Robert G., and Kroll. 2,896,237.
- Kroll, Everett H., to Deere & Co. Leveling control for hill-side machines. 2,872,200, 2-3-59, Cl. 280-6.
- Kroll, Ferdinand P. Vault lock. 2,895,761, 7-21-59, Cl. 292-302.
- Kroll, George: See—
- Dubinsky, Milton. 2,894,743.
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- Kron, Harold O., and W. Denkowski, to Philadelphia Gear Corp. Valve operators. 2,878,687, 3-24-59, Cl. 74-424.8.
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- Kronacher, Gerald, to Bell Telephone Laboratories, Inc. Dual phase shift conversion circuits. 2,894,256, 7-7-59, Cl. 340-347.
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- Krueger, Herman A. Measuring and dispenser device. 2,869,592, 1-20-59, Cl. 141-160.
- Krueger, Leonard C., to Wausau Iron Works. Adjustable snow plow. 2,904,904, 9-22-59, Cl. 37-44.
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- Krueger, Rudolph E. Anti-icing control system. 2,868,483, 1-13-59, Cl. 244-134.
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- Krug, Newton J., to The Mosler Safe Co. Night depository. 2,901,165, 8-25-59, Cl. 232-44.
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- Kruger, Michael H., to Smithcraft Corp. Joints and method of making joints. 2,918,995, 12-29-59, Cl. 189-82.
- Kruger, Otto, and W. Stratmann, to National Biscuit Co. Process and machine for coating articles with chocolate or the like. 2,915,024, 12-1-59, Cl. 107-54.
- Kruthof, Jakob, to International Standard Electric Corp. Crossbar switch. 2,867,691, 1-6-59, Cl. 179-27.54.
- Kruthof, Jakob, L. J. G. Nys, and J. L. J. Donceel, to International Standard Electric Corp. Operating mechanism. 2,892,134, 6-23-59, Cl. 317-191.
- Kruk, John, to Rogan Bros. Power-operated screw feed and drive mechanism. 2,904,084, 9-15-59, Cl. 144-32.
- Krukemeier, John E. Water supply actuated medicinal additive proportioning device. 2,887,094, 5-19-59, Cl. 121-164.
- Krukonsis, Alexander C., to Crompton & Knowles Corp. Method of assembling and wrapping articles. 2,895,272, 7-21-59, Cl. 53-21.
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- Krukowski, John K., to Champlon Corp. Potato harvester and separating means therefor. 2,901,048, 8-25-59, Cl. 171-28.
- Krukowski, Richard E., to Leed Research Co. Battery case filling plug and liquid level indicator. 2,886,624, 5-12-59, Cl. 136-177.
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- Kruper, Andrew P., to Westinghouse Electric Corp. Phototransistor design. 2,897,421, 7-28-59, Cl. 317-235.
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- Krupp, Fried, Mortoren- und Kraftwagenfabriken, G. m. b. H.: See—
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- Krupp, Robert F., to Gerber Products Co. Pressure regulating valve. 2,891,570, 6-23-59, Cl. 137-509.
- Krupp, Robert F., and J. K. Wagner, to Gerber Products Co. Curved guide rail for container conveyor transfer. 2,897,947, 8-4-59, Cl. 198-28.
- Krupp, Robert F., and J. K. Wagner, to Gerber Products Co. Container case feeding and opening means. 2,918,773, 12-29-59, Cl. 53-382.
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- Krusche, Edwin C. Windshield washer device. 2,866,996, 1-6-59, Cl. 15-250.4.
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- Kruse, Marvin A., to Ferro Corp. Combination oven and heating unit. 2,918,560, 12-22-59, Cl. 219-35.
- Kruse, Norman F., to Central Soya Co., Inc. Preparation of flaked hull product. 2,904,435, 9-15-59, Cl. 99-2.
- Kruse, Paul W., to International Telephone and Telegraph Corp. Image intensifiers. 2,892,096, 6-23-59, Cl. 250-213.
- Kruse, Ralph H. Suction electrode. 2,880,729, 4-7-59, Cl. 128-404.



- Kruse, Theodore J., Jr., to Esso Research and Engineering Co. Process and apparatus for controlling the rate of addition of fluidized particles. 2,916,441, 12-8-59, Cl. 208-152.
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- Kryeske, Raymond. Coin mailer. 2,878,988, 3-24-59, Cl. 229-92.9.
- Krynak, Michael S. Warning signal for rail car. 2,900,948, 8-25-59, Cl. 116-60.
- Krystek, Stanley, to Radio Corp. of America. Testing probes. 2,912,647, 11-10-59, Cl. 324-72.5.
- Krystosek, Joseph W. Clamping structure. 2,912,213, 11-10-59, Cl. 248-361.
- Krystyan, Karol J., J. F. Lauritsen, and B. G. Voorhees, to General Electric Co. Illuminated oil-tight pushbutton. 2,914,705, 11-24-59, Cl. 317-99.
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- Kslazek, Frank T., to Radio Corp. of America. Printed circuit for multi-stage wave amplifier. 2,895,020, 7-14-59, Cl. 179-171.
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- Kubatzky, Woodrow P. and T. O., to Winco Ventilator Co. Window and screen construction. 2,884,056, 4-28-59, Cl. 160-362.
- Kubico, Michael A., and R. N. MacDonald, to E. I. du Pont de Nemours and Co. Stabilization of polyoxymethylene with ureas and thioureas. 2,893,972, 7-7-59, Cl. 260-45.8.
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- Kubilunas, Ignas B. Heating element for plastic. 2,886,850, 5-19-59, Cl. 18-30.
- Kubis, Herbert, to M. A. N. Maschinenfabrik Augsburg-Nuernberg A.G. Werke Nuernberg. Lubricating system for internal combustion engines. 2,913,069, 11-17-59, Cl. 184-6.
- Kublanow, Joseph. Side wall mounting. 2,880,472, 4-7-59, Cl. 20-5.
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- Kubler, Donald G., to Union Carbide Corp. Process for making 2-alkoxy- and 2-alkoxyalkoxy-5,6-dihydro-1,2-pyrans. 2,905,699, 9-22-59, Cl. 260-345.9.
- Kubler, Ernest F., to General Electric Co. Phase shifting network. 2,887,648, 5-19-59, Cl. 322-125.
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- Kubo, James J. Gun sling. 2,884,172, 4-28-59, Cl. 224-1.
- Kubodera, Hisayoshi. Bearing. 2,897,017, 7-28-59, Cl. 308-15.
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- Kucera, Clemeht M., and R. G. Peter, to Reed Roller Bit Co. Laminated drill collar. 2,883,158, 4-21-59, Cl. 255-28.
- Kucera, Peter. Glass shaping apparatus. 2,879,628, 3-31-59, Cl. 49-1.
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- Kuch, Allan L., Jr.: See—  
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- Kuchenbecker, Morris W., to American Can Co. Cover locking carton. 2,889,103, 6-2-59, Cl. 229-45.
- Kucher, Andrew A., to Ford Motor Co. Tape recorder and player. 2,879,341, 3-24-59, Cl. 179-100.2.
- Kuchinsky, Saul, to Burroughs Corp. Coding system. 2,876,350, 3-3-59, Cl. 250-27.
- Kuchinsky, Saul, to Burroughs Corp. Electronic device and circuits. 2,892,959, 6-30-59, Cl. 315-8.6.
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- Kuder, Milton L., to United States of America, Commerce. Electronic analogue-to-digital converter. 2,870,436, 1-20-59, Cl. 340-347.
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- Kuder, Milton L. Antenna pattern recorder. 2,878,468, 3-17-59, Cl. 343-100.
- Kuder, Milton L., to United States of America, Commerce. Automatic information sorting system. 2,907,011, 9-29-59, Cl. 340-174.
- Kudoh, Keizo. Ballast for fluorescent lamp. 2,878,425, 3-17-59, Cl. 315-254.
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- Kuebler, Robert A., to General Electric Co. Lamp base terminal welding. 2,892,923, 6-30-59, Cl. 219-117.
- Kuehl, Ernest M. Artificial fishing lure. 2,898,699, 8-11-59, Cl. 43-42.09.
- Kuehl, Frederick A., Jr., to Merck & Co., Inc. Stabilized and reactivated ACTH preparation and processes of producing same. 2,904,471, 9-15-59, Cl. 167-74.
- Kuehl, Thomas J., to Fiat Metal Mfg. Co. Gravity hinge. 2,904,824, 9-22-59, Cl. 16-153.
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- Kuehn, Rudolph L., and R. K. Selig, to Hymac Corp. Saw-tooth voltage generator. 2,900,502, 8-18-59, Cl. 250-27.
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- Kuehner, Richard L., to Borg-Warner Corp. Dissolver. 2,874,032, 2-17-59, Cl. 23-267.
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- Kueser, John J., to Knapp-Monarch Co. Handle for cooking vessel. 2,886,206, 5-12-59, Cl. 220-94.
- Kueser, John J., to Knapp-Monarch Co. Coffee maker and thermostat construction therefor. 2,896,062, 7-21-59, Cl. 219-44.
- Kuester, Harlan D., to Cockshutt Farm Equipment, Ltd. Agricultural vehicle. 2,880,811, 4-7-59, Cl. 172-75.
- Kueter, Kenneth E., and W. S. Maxim, to The Kemax Corp. Spray gun. 2,910,248, 10-27-59, Cl. 239-413.
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- Kuffer, Johannes, to Telefunken G.m.b.H. Filament tensioning. 2,908,842, 10-13-59, Cl. 313-278.
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- Kugel, Fritz K., to J. M. Voith. G. m. b. H. Maschinenfabrik. Hydraulic coupling. 2,875,581, 3-3-59, Cl. 60-54.
- Kugelscher, Georg Schafer & Co.: See—  
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Riester, Hubert A., Jr., and Kugler. 2,903,323.
- Kugler, Heinz W.: See—  
Crosby, William H., and Kugler. 2,881,756.
- Kugler, Herbert M.: See—  
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- Kugler, Herbert W. (deceased), by H. M. Kugler, administrator, to Aerojet-General Corp. Resonant mounting. 2,886,965, 5-19-59, Cl. 73-71.6.
- Kugler, Walter: See—  
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- Kuhl, Charles F., Jr., L. E. Tank, and D. F. Tinari, to Aircraft Armaments, Inc. Radio receiver alarm. 2,882,390, 4-14-59, Cl. 250-20.
- Kuhl, Walter H.: See—  
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- Kuhle, Engelbert, and G. Domagk, to Schenley Industries, Inc. N-acyl derivatives of N-pyridine carboxylic acid hydrazide. 2,906,753, 9-29-59, Cl. 260-295.
- Kuhlenkamp, Alfred, to Mathema Corp. Reg. Trust. Gun sight. 2,904,887, 9-22-59, Cl. 33-49.
- Kuhlenfeldt, Donald, and C. O. Fowler, to Whirlpool Corp. Support for air conditioning apparatus. 2,891,754, 6-23-59, Cl. 248-208.
- Kuhlman, Arthur L. Neckwear construction. 2,886,823, 5-19-59, Cl. 2-145.
- Kuhlman, Arthur L. Drinking cup construction. 2,912,134, 11-10-59, Cl. 220-20.
- Kuhlman Electric Co.: See—  
Gakle, Wendolyn F., Leffer, Warner, and Holmgren. 2,878,855.
- Walte, Clayland M. 2,918,541.
- Kuhlmann, Kurt: See—  
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- Kuhlmann, Wilhelm, B. Pagenstedt, and C. W. Brabender. Process and apparatus for improving the baking properties of wheat flour. 2,880,093, 3-31-59, Cl. 99-93.
- Kuhmeier, Robert H. Refrigeration equipment for insulated trucks and vehicles. 2,895,309, 7-21-59, Cl. 62-186.
- Kuhn, Alfred, to Siemens & Halske Akt. Pneumatic dispatch carrier. 2,888,218, 3-26-59, Cl. 243-32.
- Kuhn, Alfred S. Metallized electrical capacitor. 2,891,204, 6-16-59, Cl. 317-260.
- Kuhn, Clarence W.: See—  
Heller, Herbert E., Kelto, Kuhn, and Rosing. 2,889,426.
- Rosing, Theodore F., Kolb, and Kuhn. 2,875,297.
- Kuhn, Clarence W., to Cutler-Hammer, Inc. Thermal switches. 2,916,586, 12-8-59, Cl. 200-113.
- Kuhn, Clarence W., and G. R. Radley, to Cutler-Hammer, Inc. Electrical resistor units. 2,874,257, 2-17-59, Cl. 201-74.
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- Kuhn, Clarence W., and T. F. Rosing, to Cutler-Hammer, Inc. Electric control device. 2,908,784, 10-13-59, Cl. 200-104.
- Kuhn, Donald H., to General Electric Co. Signal processing arrangement. 2,901,745, 8-25-59, Cl. 343-7.7.
- Kuhn, Edward H., to Allen-Bradley Co. Continuously adjustable limit switch. 2,903,528, 9-8-59, Cl. 200-38.
- Kuhn, Edward H., and L. H. Matthias, to Allen-Bradley Co. Contact structure for electromagnetic actuator. 2,919,327, 12-29-59, Cl. 200-104.
- Kuhn, Gotthard: See—  
Berthmann, Adolf, Kuhn, and Kaufer. 2,908,560.
- Kuhn, Hans H.: See—  
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- Kuhn, Heinrich: See—  
Landrum, Billy F., Kahrs, and Kuhn. 2,909,571.
- Kuhn, John, to The Garrett Corp. Radial wheel construction. 2,873,945, 2-17-59, Cl. 253-39.15.
- Kuhn, Kurt W.: See—  
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- Kuhn, Robert A., and C. A. Hanser, to American Electrical Heater Co. Steam iron. 2,887,799, 5-26-59, Cl. 38-77.
- Kuhnappfel, Robert H., and J. H. Weyman, to Bendix Aviation Corp. Vacuum furnace. 2,880,982, 4-7-59, Cl. 263-6.
- Kuhnau, Richard A. Packer unit for trucks. 2,911,119, 11-3-59, Cl. 214-82.
- Kuhnert, Alfred R., and R. J. Rothe, to VEB Zeiss Ikon Dresden. Cinematograph apparatus. 2,901,940, 9-1-59, Cl. 88-17.
- Kuhnert, Rudolf, to VEB Zeiss Ikon Dresden. Motion picture projector changing-over system for magnetic and optical scanning. 2,886,649, 5-12-59, Cl. 179-100.1.
- Kuhnhausen, Herman F. Power transmitting mechanism. 2,910,875, 11-3-59, Cl. 74-40.
- Kuhnl, Leopold K.: See—  
Preis, Carl G., and Kuhnl. 2,911,714.
- Kuhnl, Leopold K., to Eversharp, Inc. Safety razor for recycling blades from a magazine. 2,911,713, 11-10-59, Cl. 30-62.
- Kuhnl, Leopold K., to Eversharp, Inc. Razor blade knife. 2,914,850, 12-1-59, Cl. 30-156.
- Kuhrmeyer, Carl A., R. Owen, and J. R. Favorite, to Minnesota Mining & Mfg. Co. Thermocopying machine. 2,891,165, 6-16-59, Cl. 250-65.
- Kuhrmeyer, Carl A., D. G. Kimble, and C. S. Miller, to Minnesota Mining & Mfg. Co. Shadow thermoprinting. 2,919,349, 12-29-59, Cl. 250-65.
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- Kuhrt, Friedrich, to Siemens-Schuckertwerke Akt. Hall effect device. 2,877,394, 3-10-59, Cl. 317-234.
- Kuhrt, Friedrich, and K. Maaz, to Siemens-Schuckertwerke Akt. Electric current measuring transformer. 2,886,779, 5-12-59, Cl. 324-127.
- Kuhrt, Noel H., and M. I. Van Graafeiland, to Eastman Kodak Co. Method of producing bakery products. 2,871,124, 1-27-59, Cl. 99-91.
- Kuhrt, Noel H., and M. I. Van Graafeiland, to Eastman Kodak Co. Method of making bakery products. 2,871,125, 1-27-59, Cl. 99-91.
- Kuhrt, Noel H., and M. I. Van Graafeiland, to Eastman Kodak Co. Method of preparing bakery products. 2,871,128, 1-27-59, Cl. 99-118.
- Kulper, James R., to R. C. Allen Business Machines, Inc. Gyroscopic stabilizer. 2,871,707, 2-3-59, Cl. 74-5.22.
- Kujanik, Joseph A., Jr. Collapsible tube and cap. 2,917,209, 12-15-59, Cl. 222-312.
- Kuka, Kal-Kobad S., to The Clark Controller Co. Electric hoist controls. 2,902,635, 9-1-59, Cl. 318-258.
- Kuklin, Ira, and H. Sonneborn III, to L. Sonneborn Sons, Inc. Rescue marker for water-borne objects. 2,916,344, 12-8-59, Cl. 8-3.
- Kukla, Edward T. Boat lantern holder. 2,872,146, 2-3-59, Cl. 248-229.
- Kuklinski, Henry W., to Carrier Corp. Transportation refrigeration system. 2,907,182, 10-6-59, Cl. 62-158.
- Kukuk, Wilhelm, to Optische Werke C. A. Steinheil Sohne G.m.b.H. Photographic objective. 2,879,705, 3-31-59, Cl. 45-64.
- Kulesar, Frank, to Clevite Corp. Titanate ceramic compositions and articles. 2,911,370, 11-3-59, Cl. 252-62.9.
- Kulesar, Frank, and C. G. Cholik, to Clevite Corp. Ferroelectric ceramic composition. 2,906,710, 9-29-59, Cl. 252-62.9.
- Kulesa, Chester P., to Reynolds Metals Co. Vacuum package. 2,870,954, 1-27-59, Cl. 229-62.5.
- Kulesa, Frank W., to International Business Machines Corp. Erasure of imprinted magnetic markings. 2,884,348, 4-28-59, Cl. 134-1.
- Kulwary, George W., and R. L. Coleman, to The Carter-Waters Corp. Control joint for building blocks. 2,869,356, 1-20-59, Cl. 72-107.
- Kulick, Andrew, Jr.: See—  
Barabutes, Theodore, and Kulick. 2,900,607.
- Barabutes, Theodore, and Kulick. 2,900,627.
- Kulick, George. Device for delivering measured quantities of liquid. 2,879,767, 3-31-59, Cl. 128-227.
- Kulicke, Frederick W., Jr.: See—  
Soffa, Albert, and Kulicke. 2,893,297.
- Kulik, Metro D., to Consolidation Coal Co. Method of removing finely divided solid particles from hydrocarbonaceous liquids. 2,871,181, 1-27-59, Cl. 208-45.
- Kuljian Corp.: See—  
Kuljian, Harry A., and Fadden. 2,870,751.
- Kuljian, Harry A. Liquid storing and liquid flow distributing and modulating device. 2,903,166, 9-8-59, Cl. 222-478.
- Kuljian, Harry A., and W. J. Fadden, Jr., to The Kuljian Corp. Pumpless liquid heater and translator. 2,870,751, 1-27-59, Cl. 122-451.
- Kulka Electric Corp.: See—  
Kulka, Eugene R. 2,883,639.
- Kulka, Eugene R., to Kulka Electric Corp. Lampholders for asymmetric tubular lamps. 2,883,639, 4-21-59, Cl. 339-52.
- Kulka, Thomas S. Combined housing and tape retaining means for tape holding reels. 2,867,318, 1-6-59, Cl. 206-59.
- Kull, Leo. Program clock. 2,918,969, 12-29-59, Cl. 161-1.
- Kullenberg, Fred J., to W. P. Fuller & Co. Paint for highway marking and the like. 2,879,171, 3-24-59, Cl. 106-170.
- Kulluck, Jacob J. Gun cartridge. 2,897,757, 8-4-59, Cl. 102-38.
- Kulo, Thomas E.: See—  
Rogier, Clarence F., Kulo, and Singer. 2,918,766.
- Kum, Stanley L.: See—  
Williams, John L., and Kum. 2,893,684.
- Kumada, Makoto: See—  
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- Kuriyagawa, Mamoru, and Kumada. 2,908,698.
- Kumagal, Tom T., to Hughes Aircraft Co. Error detecting system. 2,897,480, 7-28-59, Cl. 340-147.
- Kumler, Stanley B.: See—  
Kumler, William L., and S. B. 2,915,319.
- Kumler, William L. and S. B. Camera dolly with differential steering mechanism. 2,915,319, 12-1-59, Cl. 280-91.
- Kumma, Emerson L., to Curtiss-Wright Corp. Resonant combustion apparatus. 2,911,957, 11-10-59, Cl. 122-16.
- Kumm, William H.: See—  
Heazel, Vincent M., Jr., and Kumm. 2,902,630.
- Kummer, Ernst W. Sheet folding and envelope filling machine. 2,912,807, 11-17-59, Cl. 53-117.
- Kummer, Ernst W. Apparatus for handling and filling envelopes. 2,915,863, 12-8-59, Cl. 53-117.
- Kummer, Ernst W. Automatic sheet folding and envelope feeding machine. 2,915,864, 12-8-59, Cl. 53-117.
- Kummer, Keith F., to McGraw-Edison Co. Static-wire support. 2,903,214, 9-8-59, Cl. 248-71.
- Kummich, Maria K.: See—  
Kummich, Theodor F., and Grabow. 2,883,020.
- Kummich, Theodor F., deceased, by M. K. Kummich, administrator, and F. Grabow, to Daimler-Benz Akt. Shifting device for claw clutches. 2,883,020, 4-21-59, Cl. 192-18.
- Kummich, Miles C., and J. F. Lontz, to E. I. du Pont de Nemours and Co. Coating of fibrous structures with tetrafluoroethylene polymer. 2,876,131, 3-3-59, Cl. 117-47.
- Kummick, Miles C., and J. F. Lontz, to E. I. du Pont de Nemours and Co. Stabilization of polytetrafluoroethylene filler slurries. 2,891,921, 6-23-59, Cl. 260-29.6.
- Kump, Ernest J. Prefabricated building construction. 2,883,711, 4-28-59, Cl. 20-2.
- Kumpfer, Beverly D., to United States of America, Army. Magnetron amplifier. 2,897,401, 7-28-59, Cl. 315-39.63.
- Kun, Kenneth A., and J. A. Schmuddein, to American Cyanamid Co. Process for the manufacture of methylol melamines and alkylated methylol melamines. 2,918,452, 12-22-59, Cl. 260-67.6.



- Kun, Ladislao: See—  
Tannenbaum, Miklos, and Kun. 2,889,829.
- Kunce, Basil H., J. T. Long, Jr., and G. G. Olson, to Fleeta Foods Corp. Process for making corn chips. 2,910,378, 12-8-59, Cl. 99-80.
- Kunkel, Heinz. Telephone set. 2,894,075, 7-7-59, Cl. 179-81.
- Kündig, Werner: See—  
Suter, Hans, and Kündig. 2,913,459.
- Kundiger, Donald G., and E. B. Ovist, to The Dow Chemical Co. Bis( $\alpha$ -chloroisobutyrate)s of dihydroxybenzenes. 2,873,293, 2-10-59, Cl. 260-479.
- Kundiger, Donald G., and C. R. Dick, to The Dow Chemical Co. 3,3-dichloro-2-methylallyl oxime ethers. 2,880,238, 3-31-59, Cl. 260-566.
- Kundiger, Donald G., and E. B. W. Ovist, to The Dow Chemical Co. 4-chloro-5,7-dihydroxy-2-methyl-1-indanone. 2,881,218, 4-7-59, Cl. 260-590.
- Kundiger, Donald G., and E. B. W. Ovist, to The Dow Chemical Co. Hydroxy-methylindanone oximes and method. 2,882,318, 4-14-59, Cl. 260-566.
- Kundiger, Donald G., and H. Medger, Jr., to The Dow Chemical Co. 3,3-dichloro-2-methylallylamines. 2,891,064, 6-16-59, Cl. 260-293.
- Kuner-Empson Co.: See—  
Aldridge, John E. 2,867,247.
- Kunes, Earle C., to The Singer Mfg. Co. Presser roller attachments. 2,891,496, 6-23-59, Cl. 112-214.
- Kunetka, Robert E.: See—  
Allen, Joseph C., and Kunetka. 2,871,941.  
Garrison, Allen D., and Kunetka. 2,871,942.
- Kung, Frederick E., to Columbia-Southern Chemical Corp. Manufacture of carbon tetrachloride. 2,892,875, 6-30-59, Cl. 260-664.
- Kung, Frederick E., to Columbia-Southern Chemical Corp. Manufacture of benzene hexachloride. 2,911,342, 11-3-59, Cl. 204-163.
- Kunik, I. Jordan: See—  
Bigelow, Norman E. 2,873,466.  
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La Borde, Robert C. 2,888,136.  
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- Kunkel, Albert A.: See—  
Kunkel, Aloysius T. Re 24,704.  
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Kunkel, Aloysius T. 2,917,788.  
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- Kunkel, Aloysius T., deceased, by A. A. Kunkel, administrator. Metal window. Re 24,704, 9-29-59, Cl. 189-75.
- Kunkel, Aloysius T. Weatherstripping for thresholds. 2,880,477, 4-7-59, Cl. 20-69.
- Kunkel, Aloysius T. Auxiliary window panel and fastener therefor. 2,883,716, 4-28-59, Cl. 20-56.1.
- Kunkel, Aloysius T., deceased; A. A. Kunkel, administrator. Sliding window construction. 2,889,590, 6-9-59, Cl. 20-52.2.
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- Kunkel, Bill B.: See—  
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- Kunkel, Edward J. Hydraulic ram pump. 2,887,956, 5-26-59, Cl. 103-77.
- Kunkel, Gerhard P., and F. K. Koepfel. Flooding control device for toilet commodes. 2,894,263, 7-14-59, Cl. 4-1.
- Kunkel, Gerhard P., and F. K. Koepfel. Catch basin backup control. 2,915,083, 12-1-59, Cl. 137-433.
- Kunkel Industries, Inc.: See—  
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- Kunkle Valve Co.: See—  
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- Kunkler, William J. Device for supporting books. 2,911,103, 11-3-59, Cl. 211-43.
- Kunreuther, Frederick, to Shell Development Co. Process for the production of gasoline from petroleum residues. 2,871,184, 1-27-59, Cl. 208-55.
- Kunreuther, Frederick, and W. K. Meerbott, to Shell Development Co. Process for the production of gasoline through thermal and catalytic cracking. 2,895,899, 7-21-59, Cl. 208-70.
- Kunstadt, George H., to Raytheon Mfg. Co. Sweep amplifiers. 2,892,961, 6-30-59, Cl. 315-27.
- Kunstzijdespinnerij Nyma N. V.: See—  
Heldweiller, August P. L. 2,915,805.  
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- Janssen, Henricus J. H., and Kloppenburg. 2,911,397.
- Kuntz, Irving, E. J. Inchalik, and T. P. Lemiszka, to Esso Research and Engineering Co. Chlorinated rubbery copolymers. 2,891,595, 6-23-59, Cl. 152-330.
- Kuntz, Josef, to G. Kochhelm. Flat knitting apparatus for manufacturing rib knit fabric. 2,893,225, 7-7-59, Cl. 66-64.
- Kunz, Charles B.: See—  
Babbitt, Bernard R., and Kunz. 2,880,988.
- Kunz, Eric C. Animal feed. 2,910,361, 10-27-59, Cl. 99-6.
- Kunz, Friedrich: See—  
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- Kunz, Hugo A. Paper roll holder and cutter with printing attachment. 2,893,316, 7-7-59, Cl. 101-226.
- Kunz, Jacob T., to Schulmerich Electronics, Inc. Striking mechanism for music instrument. 2,873,640, 2-17-59, Cl. 84-405.
- Kunz, Jacob T., to Schulmerich Electronics, Inc. Free-free type tone generating bar. 2,898,795, 8-11-59, Cl. 84-403.
- Kunz, William J., Jr., and W. C. Wintrobe, to Bendix Aviation Corp. Voltage contouring device. 2,880,581, 4-7-59, Cl. 60-39.28.
- Kunz, William R., to United States of America, Army. Firing mechanism for an automatic firearm. 2,887,012, 5-19-59, Cl. 89-131.
- Kunze, Willy, to Atlas Werke Akt. Alarm device for radar equipment. 2,891,243, 6-16-59, Cl. 343-5.
- Kunzl, Hugo H., and H. S. Meat chopper having axially reciprocating annular knives. 2,875,795, 3-3-59, Cl. 146-78.
- Kunzl, Hugo S.: See—  
Kunzl, Hugo H., and H. S. 2,875,798.
- Kunzli, Josef. Device for supply and removal of air. 2,915,792, 12-8-59, Cl. 20-42.
- Kunzman, Francis A.: See—  
Faasse, Adrian L., Kunzman, and Moser. 2,871,868.
- Kunzmann, Karl, to VEB Fernmeldewerk Arnstadt. Polarized relay. 2,898,527, 8-4-59, Cl. 317-172.
- Kuo, Chi-Sheng, to Chemical Construction Corp. Closure and seal for pressure vessels. 2,903,152, 9-8-59, Cl. 220-46.
- Kupchick, John J., to Marlin-Rockwell Corp. Seals for rotatable members. 2,886,347, 5-12-59, Cl. 286-5.
- Kupchinsky, Leonard, and F. A. Layne, to Ferro Corp. Tile setter. 2,897,571, 8-4-59, Cl. 25-153.
- Kuper, Heinrich: See—  
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- Kupferberg, Alfred B., and H. O. Slingber, to Ortho Pharmaceutical Corp. Quaternary ammonium salt and N-chloroethyl chloromethyl hydantoin vaginal composition. 2,886,487, 5-12-59, Cl. 167-58.
- Kupka, John J., to McKiernan-Terry Corp. Lubrication of power hammers. 2,879,864, 3-31-59, Cl. 184-7.
- Kupka, John J., to McKiernan-Terry Corp. Underwater pile hammer. 2,904,964, 9-22-59, Cl. 61-76.
- Kupstas, Edward E.: See—  
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- Kuras, Henry F.: See—  
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- Kuras, Manfred H. Motor vehicle muffler. 2,896,739, 7-28-59, Cl. 181-46.
- Kurashiki Rayon Co. Ltd.: See—  
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- Kurata, Fred, and J. P. Kohn. Separation of normally gaseous acidic components and methane. 2,900,797, 8-25-59, Cl. 62-12.
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- Kurath, Ernst, to Wisconsin Laboratories, Inc. Conditioning container for brushes. 2,883,043, 4-21-59, Cl. 206-15.1.
- Kurek, Thaddeus M., R. G. Popp, and D. C. Jones, to The Martin Co. Towing hook for seaplanes. 2,872,890, 2-10-59, Cl. 114-235.
- Kurihara, Chujirō: See—  
Uchida, Kyujirō, and Kurihara. 2,871,825.
- Kurita, Kentaro, to Hitachi Ltd. Static shielding of transformer windings. 2,905,911, 9-22-59, Cl. 336-70.
- Kuriyagawa, Mamoru, and M. Kumada, to Tokyo Shibaura Electric Co., Ltd. Process of preparing alkylalkoxy dialanes. 2,881,197, 4-7-59, Cl. 260-448.8.
- Kuriyagawa, Mamoru, and M. Kumada, to Tokyo Shibaura Electric Co., Ltd. Process of preparing hexaalkyldisilane. 2,908,698, 10-13-59, Cl. 260-448.2.
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- Kurka, Charles A.: See—  
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- Kurkjian, Yervant H., to Kurk Products Co. Flange locking and distortion preventing means. 2,889,064, 6-2-59, Cl. 215-11.
- Kurlash Co., Inc., The: See—  
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- Kurlinski, Dale T.: See—  
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- Kurlinski, Dale T., to The Hoover Co. Cotton rug cleaning tool. 2,881,464, 4-14-59, Cl. 15-360.
- Kurlitis, Paul C. Rear view mirror. 2,895,380, 7-21-59, Cl. 88-86.
- Kurmer, John. Vehicle parking equipment. 2,915,203, 12-1-59, Cl. 214-16.1.
- Kurose, Keamon. Squeegee type fountain cleaning device. 2,893,044, 7-7-59, Cl. 15-322.
- Kuroski, Victor J., to General Electric Co. Refrigerator including air circulator control means. 2,889,693, 6-9-59, Cl. 62-408.
- Kurre, Paul G., to Allis-Chalmers Mfg. Co. Lubrication for the movable disk of variable pitch sheaves. 2,876,649, 3-10-59, Cl. 74-230.17.
- Kurschner, Lloyd F. Clip attachment for paint brushes for mounting a secondary brush. 2,917,763, 12-22-59, Cl. 15-106.
- Kursh, Maurice. Phonograph record holder. 2,881,912, 4-14-59, Cl. 206-62.

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- Kurth, Franz J.: See—  
Honerkamp, Friedrich, Kurth, and Barlow. 2,884,005.
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- Kurth Freres S.A. Fabrique de Montres Certina: See—  
Kurth-Chappuis, Erwin. 2,894,611.
- Kurtis, James F., to Krontz-Wagner Electric Co., Inc. Electrical apparatus. 2,873,326, 2-10-59, Cl. 200-104.
- Kurtz, Donald R., to General Electric Co. Fluid-pressure controlled operating mechanism for a circuit breaker. 2,874,242, 2-17-59, Cl. 200-82.
- Kurtz, Leonard D., to J. A. Deknatel & Son, Inc. Surgical needle. 2,869,550, 1-20-59, Cl. 128-339.
- Kurtz, Louis A., to Hughes Aircraft Co. Phase shifter for scanning antenna array. 2,908,906, 10-13-59, Cl. 343-854.
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- Kuryla, Alan T., to Sylvania Electric Products Inc. Electron discharge device manufacture. 2,884,312, 5-28-59, Cl. 41-42.
- Kuryla, Alan T., and T. B. Vanner, to Sylvania Electric Products Inc. Image reproduction device. 2,903,319, 9-8-59, Cl. 316-18.
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- Kurz, Alvin M.: See—  
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- Kurz, Karl D., and H. O. Derndinger, to Daimler-Benz Aktiengesellschaft. Valve actuating mechanism for internal combustion engines. 2,904,024, 9-15-59, Cl. 123-90.
- Kurz, Rainer, to Firma Paul Lechler. Heat treatment of protective coatings. 2,916,399, 12-8-59, Cl. 117-93.
- Kurz, Rudolf. Joint. 2,911,245, 11-3-59, Cl. 287-99.
- Kurz, Wilhelm: See—  
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- Kurzen, Fritz: See—  
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- Kurzinski, Edward F., J. F. Collins, H. C. Barnes, and G. P. Dahm, to Union Carbide Corp. Process for the production of nodular cast iron. 2,889,222, 6-2-59, Cl. 75-130.
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- Kusama, Jun: See—  
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- Kusan Inc.: See—  
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McLain, William R. 2,884,868.
- McLain, William R., and Leacher. 2,903,817.
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- Kushion, Joseph. Tool locating gauge. 2,886,895, 5-19-59, Cl. 33-185.
- Kushner, Jack, to H. Z. Corp. Cells for electro-chemical measurements. 2,870,077, 1-20-59, Cl. 204-195.
- Kushner, Martin: See—  
Dunn, Edward J., Jr., and Kushner. 2,882,178.
- Kushner, Milton N., and R. A. Chapellier, to Combustion Engineering, Inc. Automatic coupling. 2,894,779, 7-14-59, Cl. 294-53.
- Kushner, Samuel: See—  
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- Kushynski, Leon, and S. Wolock, to Sydney Accessories, Inc. Handbag structure. 2,914,105, 11-24-59, Cl. 150-33.
- Kusko, Alexander. Electrical system for compensating for line voltage variations. 2,914,722, 11-24-59, Cl. 323-66.
- Kusnick, Arthur A.: See—  
Phelps, Byron E., Sochor, and Kusnick. 2,913,171.
- Kuss, Ernst, O. Emert, A. Dietrich, A. Elbel, and H. Zirnigbi, to Duisburger Kupferhütte. Working up of sulfide iron ores. 2,910,348, 10-27-59, Cl. 23-224.
- Kusters, Eduard: See—  
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- Urban, Peter. 2,870,706.
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- Kustusch, Paul W. Fish lure casting device. 2,914,883, 12-1-59, Cl. 43-41.2.
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- Kuts, Richard M., to The B. F. Goodrich Co. Automatic hole treating machine. 2,909,081, 10-20-59, Cl. 77-3.
- Kutsay, Ali U. Electric strain gauge and resistance units therefor. 2,873,341, 2-10-59, Cl. 201-63.
- Kutsay, Ali U., to Baldwin-Lima-Hamilton Corp. Universal fatigue machine with torsional elastic loading springs. 2,882,720, 4-21-59, Cl. 73-91.
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- Flannery, Frank A., Novkov, and Stein. 2,913,935.
- Kutz, Harry C.: See—  
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- Kutler, Robert J., to Minneapolis-Honeywell Regulator Co. Automatic pilot for aircraft. 2,881,990, 4-14-59, Cl. 244-77.
- Kux, Albert S., to Kux Machine Co. Pressure multiplier. 2,867,088, 1-6-59, Cl. 60-54.5.
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- Kuxhaus, Ruben H., to Royston Laboratories, Inc. Methods and apparatus for coating pipe and the like. 2,867,188, 1-6-59, Cl. 115-108.
- Kuykendall, Jack C. Safety feed control for liquid fuel. 2,869,628, 1-20-59, Cl. 158-38.
- Kuykendall, Leland S., to Collins Radio Co. Multiple shaft positioning system. 2,905,021, 9-22-59, Cl. 74-529.
- Kuykendall, Leland S., to Collins Radio Co. Positive position switch. 2,910,556, 10-27-59, Cl. 200-67.
- Kuyper, Herman S., to Roliscreen Co. Window operator. 2,877,842, 3-17-59, Cl. 160-95.
- Kuyper, Herman S., to Roliscreen Co. Folding door with flexible hinge strips. 2,912,049, 11-10-59, Cl. 160-231.
- Kuyppers, Joannes A. Apparatus for continuously feeding a band of textile or similar material. 2,893,596, 7-21-59, Cl. 203-150.
- Kuyppers, Norbert T.: See—  
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- Kuzara, Joseph. Fish tape reel. 2,913,222, 11-17-59, Cl. 254-134.3.
- Kuze, Yoshikazu. Circuit breaking protectors. 2,898,420, 8-4-59, Cl. 200-67.
- Kutela, Jan, and F. VarFla. Device for the production of a light filling from blast furnace, boiler and other slag. 2,880,456, 4-7-59, Cl. 18-2.6.
- Kuzmiz, Andrew A.: See—  
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- Kuzmiz, Andrew A., to Bendix Aviation Corp. Mechanism for controlling fuel to a gas turbine engine. 2,888,067, 5-26-59, Cl. 158-36.4.
- Kvetinskas, Bruno: See—  
Bloch, Herman S., and Kvetinskas. 2,886,614.
- Kwake, John P. Swimming pool cover. 2,883,676, 4-28-59, Cl. 4-172.
- Kwake, John P. Pillow-beach bag. 2,883,682, 4-28-59, Cl. 5-344.
- Kwaplen, Henry P.: See—  
Todd, Alexander W., and Kwaplen. 2,911,763.
- Kwartier, Irwin E., and R. L. Wade, to Royal McBee Corp. Card binders. 2,898,919, 8-11-59, Cl. 129-24.
- Kwasniewski, George A.: See—  
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- Kwasniewski, George A., to General Mills, Inc. Bending mechanism. 2,902,691, 9-8-59, Cl. 1-2.
- Kwate, Bernard, to Therm-O-Lab Corp. Electrical heating element. 2,882,187, 4-14-59, Cl. 117-217.
- Kwauk, Mooson, to Hydrocarbon Research, Inc. Low-temperature gas absorption. 2,880,591, 4-7-59, Cl. 62-17.
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- Kwik-Kold of America, Inc.: See—  
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- Kwikmark, Inc.: See—  
Boekeloo, Merrill E., Hoffman, and Patterson. 2,884,858.
- Kwik-Set Expansion Co.: See—  
Maynard, Samuel J. 2,900,863.
- Kwiktek, Edwin M., to Paper Converting Machine Co., Inc. Web cutting apparatus. 2,870,840, 1-27-59, Cl. 164-68.
- Kwok, Chi T., to Cluett, Peabody & Co., Inc. Non-shrinking seam and method of making. 2,871,486, 2-3-59, Cl. 2-275.
- Kwolek, Joseph M.: See—  
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- Kyhl, Robert L.: See—  
Lavoo, Norman T., and Kyhl. 2,867,696.
- Kyker, Glendon D.: See—  
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- Kyker, Glendon D., to Pennsalt Chemicals Corp. Fungicidal compositions and their use. 2,894,015, 7-7-59, Cl. 260-461.
- Kyle, Marguerite G., to Beverly Vogue Co. Petticoat construction. 2,887,688, 5-26-59, Cl. 2-211.
- Kyle, William D., Jr., to McGraw-Edison Co. Circuit interrupter. 2,870,289, 1-20-59, Cl. 200-97.
- Kyle, William F., Jr., to Ampex Corp. Magnetic tape apparatus. 2,911,162, 11-3-59, Cl. 242-55.12.
- LCN Closures, Inc.: See—  
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- Flint, Russell C. 2,905,965.
- LKB-Produktor Fabrikaktiebolag: See—  
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- Sjöstrand, Fritiof, and Gürtler. 2,875,669.
- Svensson, Harry S. 2,867,148.
- Svensson, Svante H. 2,883,900.
- L.O.F. Glass Fibers Co.: See—  
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- Labino, Dominick. 2,885,299.
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- Labino, Dominick. 2,904,453.
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- Pim, Richard A., and Rees. 2,905,403.
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- L and P Electric Co., Inc. The: See—  
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- Laager, Creston F.: See—  
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- Laager, Creston F. Single trigger for plural firing mechanisms. 2,902,788, 9-8-59, Cl. 42-69.
- Laakso, Leo H., to M. E. Abbott, trustee. Apparatus for investigating surface profiles. 2,914,938, 12-1-59, Cl. 73-105.
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Cunningham, Claude J., and Labaj. 2,885,816.
- Labanowski, Jessie: See—  
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- La Barre, Floyd, Jr., and W. D. Nagle, to Curtiss-Wright Corp. Propeller shaft extender for propeller servicing. 2,913,517, 11-24-59, Cl. 29-263.
- Labarre, Maurice, to Societ   d'Etudes at d'Applications (S. A. B.). Apparatus for injection moulding of plastic material. 2,872,705, 2-10-59, Cl. 18-30.
- Labastie, Albert H.: See—  
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- Labastie, Albert H., to General Electric Co. Liquid cooled dynamoelectric machine. 2,894,155, 7-7-59, Cl. 310-54.
- Labatt, John, Ltd.: See—  
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- Labbe, Roy J. Coin dispensing machine. 2,881,774, 4-14-59, Cl. 133-2.
- La Beau, Russell F., to Sutter Products Co. Machine for automatically making sand cores. 2,905,988, 9-29-59, Cl. 22-10.
- La Belle, Donald J., to General Motors Corp. Leaf and air spring suspension. 2,874,956, 2-24-59, Cl. 267-18.
- La Belle, Donald J., to General Motors Corp. Mounting means. 2,902,240, 9-1-59, Cl. 248-201.
- Laberge, Jacques J. E.: See—  
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- Labin, Edouard, to Societ   Nouvelle de l'Outilage R.B.V. et de La Radio-Industrie. Electron tube. 2,913,620, 11-17-59, Cl. 315-12.
- Labino, Dominick, to L.O.F. Glass Fibers Co. Decorative acoustical materials. 2,868,684, 1-13-59, Cl. 154-45.9.
- Labino, Dominick, to L.O.F. Glass Fibers Co. Glass composition. 2,883,296, 4-21-59, Cl. 106-50.
- Labino, Dominick, to L.O.F. Glass Fibers Co. Method of producing fibers of different diameters simultaneously and of producing glass paper therefrom. 2,884,681, 5-5-59, Cl. 28-72.3.
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- Labino, Dominick, to L.O.F. Glass Fibers Co. Method for making glass paper. 2,919,221, 12-29-59, Cl. 162-156.
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- La Bombard, Emerson H.: See—  
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- La Bombard, Leon E. Method and apparatus for folding trailing flaps. 2,883,917, 4-28-59, Cl. 93-49.
- La Bombard, Leon E., to The International Paper Box Machine Co. Folding and gluing apparatus. 2,899,873, 8-18-59, Cl. 93-52.
- La Bombard, Leon E. Apparatus and method for feeding sheets. 2,912,239, 11-10-59, Cl. 271-6.
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- Labombard, Raymond A. Folding apparatus for leading flaps. 2,879,699, 3-31-59, Cl. 93-49.
- Labombard, Raymond A. Apparatus for folding box blanks. 2,883,916, 4-28-59, Cl. 93-49.
- Labombard, Raymond A. Multi-faced folding guide. 2,896,517, 7-28-59, Cl. 93-49.
- Labombard, Raymond A. Flap folding apparatus and method. 2,899,872, 8-18-59, Cl. 93-49.
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- Ayres, Herbert F., and Wright. 2,886,803.
- Fuller, Harrison W., Woodsum, and Darou. 2,913,536.
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- Husman, Paul A. 2,896,192.
- Kelner, Robert C., and Rubinstein. 2,872,663.
- Meyer, Maurice A. 2,902,218.
- Meyer, Maurice A., and Gordon. 2,910,237.
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- La Bossier, Ralph H. Tuning device for a guitar type instrument. 2,914,982, 12-1-59, Cl. 84-312.
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- La Bour, Harry E. Lubricated seal for centrifugal pump shafts. 2,910,313, 10-27-59, Cl. 286-8.
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- Labrie, Joseph C. Door hardware. 2,917,771, 12-22-59, Cl. 16-105.
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- Labrozzi, Anthony F., and P. J. D'Orazio, to International Resistance Co. Packaging apparatus. 2,907,158, 10-6-59, Cl. 53-126.
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- Labus, Otto A.: See—  
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- Laburt, Rollin H., to Madden Brass Products Co. Hermetic port valve assembly for tapping fluid conduits. 2,875,777, 3-3-59, Cl. 137-318.
- Lace, Donald A., 1/2 to N. M. Esser. Electro-mechanical oscillating device. 2,910,599, 10-27-59, Cl. 310-39.
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- Lacey, John S.: See—  
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- Lacey, Joseph S. Aquarium equipment. 2,877,898, 3-17-59, Cl. 210-169.

- Lacey, Richard N., to The Distillers Co., Ltd. Hydrogenation process. 2,897,663, 1-4-59, Cl. 260-593.
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- Lacey, Richard N., and H. Jowitt, to The Distillers Co., Ltd. Production of tertiary acetylenic alcohols. 2,904,596, 9-15-59, Cl. 260-638.
- Lach, Walter, and R. S. Zapf, to Western Electric Co., Inc. Grounding devices for electrical components. 2,893,120, 7-14-59, Cl. 333-249.
- La Chapelle, Albert L.: See—  
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- La Chapelle, Beatrice H.: See—  
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- La Chapelle, Rachel E.: See—  
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- Lachat, Paul J. Auxiliary runner for ice skates. 2,867,445, 1-6-59, Cl. 280-11.12.
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- Lachiche, Julien, and A. Oriol, to Novacel. Method of producing an oriented reinforced artificial sponge. 2,902,720, 9-8-59, Cl. 18-48.
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- Lackey, Marion D., to Unit Rig & Equipment Co. Two-engine compound. 2,910,889, 11-3-59, Cl. 74-665.
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- Lackey, Robert S., and C. C. Glover, to Westinghouse Electric Corp. Gyroscopic apparatus. 2,916,917, 12-15-59, Cl. 74-5.4.
- Lackinger, Frank P. Rollers for hollow legged furniture. 2,877,483, 3-17-59, Cl. 16-44.
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- Lackner, Robert V., and N. W. Dingman, to Penn Induction Co. Induction heating of metal strip. 2,902,572, 9-1-59, Cl. 219-10.41.
- Lacks, Hyman, and M. Lambert. Modified foam nozzle. 2,894,694, 7-14-59, Cl. 230-443.
- Laclede-Carlisle Co.: See—  
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- Lacock, Robert M.: See—  
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- Lacourciere, Wilfred J.: See—  
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- Lacroix, Jean P. Automatic reminder for car maintenance. 2,884,725, 5-5-59, Cl. 40-77.
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- Ladenze, Maurice J. B., and P. Toni. Method for erasing inks and gelatine impressions on tracing and other papers. 2,881,101, 4-7-59, Cl. 134-6.
- Ladewig, Wilhelm: See—  
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- Ladish Co.: See—  
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- Kessler, Joseph S., and Ebert. 2,869,211.
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- La France, Donald S.: See—  
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- Lagerling, Alf J. A. Pivotal mounted safety windshield. 2,907,602, 10-6-59, Cl. 296-84.
- Lagerwey, Anton A. F., to Shell Development Co. Valve. 2,912,003, 11-10-59, Cl. 137-547.
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- Lahr, Peter W.: See—  
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- Lahr, Sheldon M. Electric light fixture. 2,901,724, 8-25-59, Cl. 339-154.
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- Lahti, Arvo A., and G. D. Maxwell, to Consolidated Electrodynamics Corp. Tape transport control. 2,909,337, 10-20-59, Cl. 242-55.12.
- La Hue, Philip M., and E. E. Lewis, to Minneapolis-Honeywell Regulator Co. Gyroscopic apparatus servosystem. 2,887,636, 5-19-59, Cl. 318-28.
- Lalming, Harry J., to United States of America, Navy. Shaft positioning device. 2,899,830, 8-18-59, Cl. 74-10.29.
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- Laine, Thomas H. Fly swatter. 2,881,554, 4-14-59, Cl. 43-137.
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- Laing, Gordon F., and H. H. Dooley. Emission excited light source. 2,910,593, 10-27-59, Cl. 250-77.
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- Lair, Julien J. B., to International Telephone and Telegraph Corp. Crystal semiconductor device. 2,878,399, 3-17-59, Cl. 307-88.5.
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Etienne, Alfred. 2,900,799.  
Grenier, Maurice. 2,882,998.  
Grunberg, Jacques F. 2,918,802.  
Laprand, Raymond. 2,892,347.  
Maille, Jean. 2,884,236.  
Regnaud, Pierre, and Bogatenkoff. 2,897,343.  
Servigne, Marcel, Szarvasi, and Neury. 2,868,850.  
Soulay, Pierre, and Molinet. 2,889,480.  
Spire, Etienne. 2,871,008.
- Laird, Stanley M., to Union Carbide Corp. Discharge and mixing device. 2,907,501, 10-6-59, Cl. 222-485.
- Laisne, Eugene W. Interchangeable nose guards. 2,881,661, 4-14-59, Cl. 88-50.
- Lait, Raymond: See—  
Holmes, William R., Le Feuvre, Lait, and Wood. 2,914,382.
- Laitner Brush Co.: See—  
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- Laitur, Martin W., to L. A. Young Spring & Wire Corp. Cushion spring assemblies and spring elements thereof. 2,916,087, 12-8-59, Cl. 155-179.
- Lajole, Joseph L., to The Patent and Licensing Corp. Bituminous coating compositions and articles coated therewith. 2,886,459, 5-12-59, Cl. 106-282.
- Laka Tool and Stamping Co.: See—  
Raszi, Larry. 2,907,302.
- Lake, Donald B., and S. E. Stephanou, to E. I. du Pont de Nemours and Co. Process of spray drying a solution of a monopersulfate and a boron compound. 2,886,412, 5-12-59, Cl. 23-114.
- Lake, Donald B., and S. E. Stephanou, to E. I. du Pont de Nemours and Co. Production of alkali metal monopersulfates. 2,886,534, 5-12-59, Cl. 252-186.
- Lake, Francis G., to American Cyanamid Co. Agitator shaft assembly. 2,867,997, 1-13-59, Cl. 64-1.
- Lake, James H., to Eli Lilly and Co. Capsule cleaning device. 2,913,691, 12-29-59, Cl. 15-308.
- Lake, Lawrence C. Refrigerator door. 2,891,834, 6-23-59, Cl. 312-307.
- Lake, Leslie T.: See—  
Wilkinson, Cyril F., Jenkins, Lake, and Radcliffe. 2,875,111.
- Lake, Robert E., to Whirlpool Corp. Washing machine. 2,904,983, 9-22-59, Cl. 68-22.
- Lake Erie Machinery Corp.: See—  
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Hoffmann, Otto. 2,875,732.  
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Swanson, Carl G. A. 2,867,321.  
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- Lakeside Laboratories, Inc.: See—  
Biel, John H. 2,867,619.  
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- Lako, Samuel. Fastener, grommet, etc., setting implement. 2,875,635, 3-3-59, Cl. 81-15.
- Lakso Co. Inc.: See—  
Lakso, Eino E., and Jones. 2,895,269.
- Lakso, Eino E. Method and apparatus for wadding containers. 2,895,273, 7-21-59, Cl. 53-24.
- Lakso, Eino E., and C. H. Jones, Jr., to The Lakso Co. Inc. Cottoning machine. 2,895,269, 7-21-59, Cl. 53-21.
- Laky, Elmer, and R. E. Walsh, to Breeze Corp. Inc. Winch overload limiting device. 2,908,853, 10-13-59, Cl. 318-475.
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- Lalisse, Herman C., to North American Phillips Co., Inc. Dual needle phonograph pick-up. 2,868,803, 1-13-59, Cl. 179-100.41.
- Lalick, Michael J. All-purpose blanket. 2,870,464, 1-27-59, Cl. 5-334.
- La Lime, Theophile J.: See—  
Richard, Henry J. 2,870,523.
- L'Allemand, Charles C.: See—  
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- Lalli, John O.: See—  
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- Lalli, Romeo A. Clamping jaw. 2,889,865, 6-9-59, Cl. 153-48.
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- Lally, Philip M., to Sperry Rand Corp. Travelling wave oscillator. 2,878,412, 3-17-59, Cl. 315-3.5.
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- Lamackre-Voreaux, Pierre, to Claude Paz et Visseaux. Cold and hollow electrode. 2,913,298, 11-17-59, Cl. 316-26.
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- La Maur Inc.: See—  
Spiegel, Maurice L. 2,871,161.
- Lamb, Anthony H., and E. R. Keillon, to Daystrom, Inc. Apparatus for comparing the moisture transmission characteristics of materials. 2,904,996, 9-22-59, Cl. 73-73.
- Lamb, Arthur B.: See—  
Richter, George A., and Lamb. 2,893,754.
- Lamb, Douglas J.: See—  
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- Lamb, Edward W., and M. E. McGowan. Swim flipper. 2,889,563, 6-9-59, Cl. 9-21.
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- Lamb, F. Joseph, Co.: See—  
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- Lamb, George E., to Lamb-Grays Harbor Co., Inc. Tail allitter. 2,900,025, 8-18-59, Cl. 164-65.
- Lamb, George E., and H. I. Rogge, to Ovalstrapping Inc. Apparatus for suspending and feeding wire-tying machines. 2,876,959, 3-10-59, Cl. 242-54.
- Lamb, Glentworth: See—  
Hardy, Elizabeth M., Hosler, and Lamb. 2,879,198.  
Hardy, William B., Hosler, and Lamb. 2,877,258.
- Lamb, Glentworth, to American Cyanamid Co. Dodecylguanidine salts as fruit tree fungicides. 2,867,562, 1-6-59, Cl. 167-22.
- Lamb, Glentworth, and E. L. Clark, to American Cyanamid Co. Pesticidal compositions. 2,882,196, 4-14-59, Cl. 167-22.
- Lamb-Grays Harbor Co., Inc.: See—  
Lamb, George E. 2,900,025.
- Lamb, Harold W., to Crossley Machine Co., Inc. Feed control for machine tools. 2,916,017, 12-8-59, Cl. 121-45.
- Lamb, Kay R. Ladies' zipper puller. 2,887,751, 5-26-59, Cl. 24-203.15.
- Lamb, Jefferson P., to Dresser Industries, Inc. Earth bore-hole investigation system. 2,879,648, 3-24-59, Cl. 324-1.
- Lamb, John, to John Lamb Publications and Inventions Ltd. Combined starting and relief valves for internal combustion engines. 2,911,999, 11-10-59, Cl. 137-506.
- Lamb, John, Publications and Inventions Ltd.: See—  
Lamb, John. 2,911,999.
- Lamb, Robert L., to The Coca-Cola Co. Coin operated multi-product dispensing apparatus. 2,913,087, 11-17-59, Cl. 194-13.
- Lamb, Vassar G., and J. E. Kirk. Slug detecting and rejecting apparatus for telephone pay stations and other coin-operated devices. 2,891,112, 6-16-59, Cl. 179-6.3.
- Lamb, William A. S., to United States of America, Atomic Energy Commission. Ion source. 2,901,628, 8-25-59, Cl. 250-49.5.
- Lambach, Frederick A. Push-button fishing bobber. 2,867,936, 1-13-59, Cl. 43-44.95.
- Lambe, Harry W.: See—  
Banus, Mario D., Winiarczyk, and Lambe. 2,898,195.
- Lambeek, Adrian J. J., to North American Phillips Co., Inc. Bearing. 2,886,880, 5-12-59, Cl. 308-72.
- Lamberson, Jack L., Jr., to Jersey Production Research Co. Packer. 2,888,297, 1-13-59, Cl. 166-121.
- Lambert, Azard L. Car unloading device. 2,872,055, 2-3-59, Cl. 214-44.
- Lambert, Arnold L. Trail cart. 2,918,299, 12-22-59, Cl. 250-47.26.
- Lambert, Arthur: See—  
Batty, John W., Lambert, Scott, and Seed. 2,913,481.
- Lambert, Arthur, and R. N. Leyland, to Imperial Chemical Industries Ltd. New diarylmethane derivatives, their manufacture and application. 2,903,493, 9-8-59, Cl. 260-810.
- Lambert Brake Corp.: See—  
Dasse, Lester E., and Griswold. 2,916,105.  
Ferrell, William G., and Zindler. 2,910,148.  
Hahn, Emil H. 2,874,807.  
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Ishey, Albert D., and Tiscornia. 2,883,009.  
Kershner, Osborn A., and Ishey. 2,883,019.  
Lucker, Millard B. 2,883,008.  
Lucker, Millard B., and Zindler. 2,889,894.  
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- Lambert, Cecil A., and G. L. Webb, to Essex Wire Corp. Electromagnetic relay. 2,892,053, 6-23-59, Cl. 200-87.
- Lambert, Darryl G. Adjustable screen printing frame. 2,894,455, 7-14-59, Cl. 101-415.1.
- Lambert, Donald R., to Powers-Samas Accounting Machines Ltd. Paper-feeding mechanism. 2,873,116, 2-10-59, Cl. 271-24.
- Lambert, Donald R., to Powers-Samas Accounting Machines Ltd. Printing machine. 2,895,410, 7-21-59, Cl. 101-93.
- Lambert Engineering Co.: See—  
Wells, Willis L. 2,886,953.
- Lambert, Harry E., to Central Fibre Products Co. Egg packing flats. 2,872,062, 2-3-59, Cl. 217-26.5.
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- Lambert, Harry L., to Royal McBee Corp. Type bar rebound check mechanisms. 2,889,025, 6-2-59, Cl. 197-17.
- Lambert, Harry L., to Royal McBee Corp. Perforated record reader and feed mechanism. 2,900,130, 8-18-59, Cl. 235-61.11.
- Lambert, Harry E., to Central Fibre Products Co. Pulp-molding dies. 2,903,062, 9-8-59, Cl. 162-411.
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- Lambert, Harry L., and P. F. Page, to Royal McBee Corp. Anti-jamming device for typewriter type bars. 2,880,837, 4-7-59, Cl. 197-17.
- Lambert, Harry L., P. F. Page, and A. G. Snyder, to Royal McBee Corp. Automatic apparatus for operating business machines. 2,894,614, 7-14-59, Cl. 197-20.
- Lambert, Henri J. M., and G. P. Mongin. Wall cabinet. 2,873,161, 2-10-59, Cl. 312-292.
- Lambert, John T. Dispensing receptacles. 2,881,953, 4-14-59, Cl. 222-181.
- Lambert, Kermit N.: See—  
Ness, Odvar A., and Lambert. 2,869,052.
- Lambert, Milton: See—  
Lacks, Hyman, and Lambert. 2,894,694.
- Lambert, Ralph D. Recoil selector mechanism for firearms. 2,873,651, 2-17-59, Cl. 89-198.
- Lambert, Ray. Interference degenerators. 2,884,520, 4-28-59, Cl. 250-20.
- Lambert, Robert D.: See—  
Zieg, Clifford V., Lee, and Lambert. 2,918,878.
- Lambert, Robert D., to Halvorsen Products Mfg. Co. Actuating mechanism for collating machine. 2,873,966, 2-17-59, Cl. 270-38.
- Lambert, Roger-Emile: See—  
Chan, Andre D. H., and Lambert. 2,910,807.
- Lambert, S. A. G.: See—  
Freudiger, Ernst. 2,891,450.
- Lambert, Ulysses L., to Gadget-Of-The-Month Club, Inc. Stamp application machine. 2,899,094, 8-11-59, Cl. 216-25.
- Lamberti, Vincent, to Lever Brothers Co. Process of preparing  $\beta,\beta$ -tris (hydroxymethyl) methyl amides. 2,877,245, 3-10-59, Cl. 260-404.
- Lamberton, Clifford J., to General Electric Co. Machine wound magnetic core. 2,909,742, 10-20-59, Cl. 336-212.
- Lamberton, Clifford J., E. F. Christensen, and D. Keating, to General Electric Co. Three winding transformer. 2,878,455, 3-17-59, Cl. 336-183.
- Lamberton, Jean, and H. de Lachellerie, to Societe d'Electrochimie d'Electro-Metallurgie et des Aciéries d'Ugine. Method of separating isotopes. 2,873,237, 2-10-59, Cl. 204-125.
- Lamberton, Robert W. Cleaning device. 2,900,653, 8-25-59, Cl. 15-164.
- Lambertsen, Christian J. Breathing apparatus. 2,871,854, 2-3-59, Cl. 128-142.
- Lambrecht, Joseph A., W. H. Hensley, R. E. Kent, and J. E. Lynch, to Chas. Pfizer & Co., Inc. Thioamine anthelmintic agents. 2,902,402, 9-1-59, Cl. 167-53.
- Lambrecht, Joseph A., to Union Carbide Corp.  $\alpha$ -naphthol bicyclic aryl esters of N-substituted carbamic acids. 2,903,478, 9-8-59, Cl. 260-479.
- Lambton, Charles W. Mixing device for delivering liquid mixtures or solutions. 2,907,528, 10-6-59, Cl. 239-315.
- Lamburn, Alan S., to Smiths America Corp. Valves for the control of fluid flow. 2,911,010, 11-3-59, Cl. 137-629.
- Lamerson, Ulden D., to Allied Steel and Conveyors, Division of The Sparks-Withington Co. Method and apparatus for inflating a tubeless tire and seating the beads. 2,910,117, 10-27-59, Cl. 157-1.1.
- Lamkin, John C.: See—  
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Sorg, Leonard V., and Lamkin. 2,895,807.
- Lamkin, Richard C.: See—  
Engel, J. Anthony, and Lamkin. 2,875,526.
- Lamm, Lewis J., to General Motors Corp. Apparatus for spray painting. 2,894,175, 7-7-59, Cl. 317-3.
- Lamm, William R. Cigarette. 2,890,704, 6-16-59, Cl. 131-15.
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- Lammers, Delmar R.: See—  
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- Lammerz, Ernst, to Aktiengesellschaft fur Unternehmungen der Eisen- und Stahlindustrie. Reversible drive system. 2,898,774, 8-11-59, Cl. 74-377.
- Lammier, Georg: See—  
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- Lamon, David E.: See—  
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- La Monica, Hugh L. Vine lifting attachment. 2,917,119, 12-15-59, Cl. 172-691.
- La Monica, Frank, to The United Tool & Die Co. Tracer controlled hydraulic valve. 2,880,958, 4-7-59, Cl. 251-3.
- Lamont, Adam S., to General Motors Corp. Variable speed mechanism. 2,895,575, 7-21-59, Cl. 192-3.2.
- Lamont, John, to Western Electric Co., Inc. Impedance measuring system. 2,874,351, 2-17-59, Cl. 324-57.
- La Mont Steam Generators, Inc.: See—  
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- Lamouredieu, Marcel: See—  
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- Lamoureux, Gilbert J., to Western Electric Co., Inc. Article-working apparatus. 2,877,496, 3-17-59, Cl. 18-19.
- Lamoureux, Jean A.: See—  
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- Lamouria, Lloyd H.: See—  
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- Lamouria, Lloyd H., to Regents of The University of California. Grape harvester. 2,893,194, 7-7-59, Cl. 56-331.
- Lampard, Edward D. Rack for forming, smoking and cutting of sausages, such as "frankfurters" and the like. 2,874,408, 2-24-59, Cl. 17-34.



- Lampe, Frederick W.: See—  
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Langdon, Jesse D. Pneumatic chambered flushometer. 2,915,761, 12-8-59, Cl. 4-31.  
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- Lange, Emil. Electric circuit breaker. 2,908,789, 10-13-59, Cl. 200-150.
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- Lange, Karl W. Luminescent indicating device. 2,885,561, 5-5-59, Cl. 250-77.
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- Lange, Richard, to Hodes-Lange Corp. Method and apparatus for treating and filling ampoules. 2,896,381, 7-28-59, Cl. 53-37.
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- Langen, Ole H., to The Unipress Co., Inc. Interchangeable buck. 2,907,126, 10-6-59, Cl. 38-66.
- Langen, Ole H., and H. V. Hoisve, to The Unipress Co., Inc. Shirt pressing machine. 2,875,929, 3-3-59, Cl. 223-57.
- Langenau Mfg. Co., The: See—  
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- Langenberg, Robert J., to Miles Laboratories, Inc. Purification of 2-ethyl-4-crotonylurea. 2,904,589, 9-15-59, Cl. 260-553.
- Langendorf, Leone A. Rotary display racks for clothing. 2,897,608, 8-4-59, Cl. 35-56.
- Langer, Arthur W., Jr.: See—  
Hochgraf, Norman N., Kenyon, and Langer. 2,908,671.
- McCulloch, William J. G., and Langer. 2,898,327.
- Thompson, Charles E., Stewart, and Langer. 2,873,245.
- Langer, Arthur W., Jr., to Esso Research and Engineering Co. Catalytic metal-modified resin and its use in olefin hydration. 2,891,999, 6-23-59, Cl. 260-614.
- Langer, Nicholas: See—  
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- Langer, Stanley H., to Westinghouse Electric Corp. Glycidyl polyether-triethanolamine borate composition and product treated therewith. 2,871,454, 1-27-59, Cl. 336-96.
- Langermeier, Gregg C. Molded cap for sheet metal screws and the like. 2,878,905, 3-24-59, Cl. 189-36.
- Langevin, Lloyd P. Device for securing to a toilet bowl for magazines, etc. 2,903,140, 9-8-59, Cl. 211-86.
- Langevin, Robert A., to United States of America, Air Force. Preparation of semi-conductive material. 2,891,099, 4-7-59, Cl. 117-227.
- Langford, James V. Outboard motor tilting unit. 2,893,342, 7-7-59, Cl. 115-41.
- Langford, Robert C., and E. S. Davis, to Daystrom, Inc. Marker signal generator. 2,902,648, 9-1-59, Cl. 324-79.
- Langhans, Oscar: See—  
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- Langis, André L., and R. Gaudry, to American Home Products Corp. Hydrogenated citrazinic acid and method of preparation. 2,874,158, 2-17-59, Cl. 260-281.
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- Langley, Sara F. Shoe bag. 2,873,781, 2-17-59, Cl. 150-1.
- Langley, Virgil E. Container. 2,886,230, 5-12-59, Cl. 229-7.
- Langlois, David P., to A. E. Staley Mfg. Co. Process for preparing starch syrups. 2,891,869, 6-23-59, Cl. 99-142.
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- Langlois, David P., and G. C. Pinney, to A. E. Staley Mfg. Co. Method of increasing pot life of adhesive compositions containing an amylose component, a phenolic compound, and an aldehyde. 2,890,182, 6-9-59, Cl. 260-172.
- Langlois, David P., and W. Turner, to A. E. Staley Mfg. Co. Production of amyloglucosidase. 2,893,921, 7-7-59, Cl. 195-66.
- Langlois, Gordon E., and P. E. Fischer, to California Research Corp. Process for producing normally liquid olefin hydrocarbons. 2,902,523, 9-1-59, Cl. 260-683.15.
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- Lampen, J. Oliver, Langlykke, and Yacowitz. 2,903,356.
- Langmaier, Karl, to Klockner-Humboldt-Deutz Akt. Cylinder for internal combustion engines. 2,883,977, 4-28-59, Cl. 123-193.
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- Langmuir, David B., and W. A. Morrison, to Thompson Ramo Wooldridge Inc. Particle acceleration method and apparatus. 2,880,337, 3-31-59, Cl. 313-63.
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- Langner, Heinrich: See—  
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- Langnickel, Arvid: See—  
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- Langnickel, Kurt, to A. Langnickel. Liquid filtering apparatus. 2,916,144, 12-8-59, Cl. 210-346.
- Langsfield, William P., to Turco Products, Inc. Metal foil diaphragm. 2,895,506, 7-21-59, Cl. 137-793.
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- Moser, Henry W., and Grobman. 2,887,050.
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- Langvand, Ivar L., to The Babcock & Wilcox Co. Fluid heater walls. 2,870,750, 1-27-59, Cl. 122-6.
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- Lanham, William M., to Union Carbide Corp. Production of bicyclo heterocyclic phosphoramides and thionophosphoramides. 2,875,235, 2-24-59, Cl. 260-461.
- Lanham, William M., to Union Carbide Corp. Production of heterocyclic dithiophosphoric esters. 2,876,244, 3-3-59, Cl. 260-461.
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- Lanham, William M., to Union Carbide Corp. Haloalkyl aryl diphosphates. 2,880,225, 3-31-59, Cl. 260-461.
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- Lanham, William M., to Union Carbide Corp. Production of spiro heterocyclic dithiophosphoric acids. 2,900,407, 8-18-59, Cl. 260-461.
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- Lanham, William M., to Union Carbide Corp. Polymeric phosphate esters and their production. 2,909,559, 10-20-59, Cl. 260-461.
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- Lanier, Lewis H., Jr.: See—  
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- Lanneau, Keith P., and L. H. Lane, to Esso Research and Engineering Co. Ion resonance mass spectrometer. 2,868,980, 1-13-59, Cl. 250-41.9.

- Lanneau, Keith P., and L. I. Griffin, Jr., to Esso Research and Engineering Co. Analogue computer for solving simultaneous equations. 2,911,146, 11-3-59, Cl. 235-180.
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- Lannert, Paul. Outlet heater for aerosol-type dispenser. 2,873,351, 2-10-59, Cl. 219-39.
- Lannert, William H., to Chicago Pump Co. Transfer and comminuting device. 2,886,174, 5-12-59, Cl. 210-173.
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- Lannert, William H., to Chicago Pump Co. Floating shield for comminuting device. 2,900,081, 8-18-59, Cl. 210-173.
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- Lanning, John G., to Corning Glass Works. Resistor. 2,910,664, 10-27-59, Cl. 338-300.
- Lanning, Walter C., to Sperry Rand Corp. Private line receiver. 2,908,892, 10-13-59, Cl. 340-168.
- Lanning, William C., to Phillips Petroleum Co. Polymerization of olefins. 2,880,198, 3-31-59, Cl. 260-93.7.
- Lanning, William C., to Phillips Petroleum Co. Control of deposits on catalysts. 2,891,935, 6-23-59, Cl. 260-93.7.
- Lanning, William C., to Phillips Petroleum Co. Polymerization apparatus. 2,894,824, 7-14-59, Cl. 23-285.
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- Lanstrom, Carl T., to United States Steel Corp. Adjustable mounting for rotary knives. 2,888,076, 5-26-59, Cl. 164-70.
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- Lantz, Alpha P. Ball bearing ironing board and a pair of automatically unfolding supporting legs therefor. 2,908,984, 10-20-59, Cl. 38-121.
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- Lampe, Friedrich W. 2,899,995.
- Lapeyre, Fernand S., and J. M., to The Peelers Co. Shrimp metering devices. 2,868,014, 1-13-59, Cl. 73-223.
- Lapeyre, Fernand S., and J. M., and L. E. Demarest, to The Peelers Co. Pressure devices for peeling shrimp. 2,886,844, 5-19-59, Cl. 17-2.
- Lapeyre, James M.: See—  
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- Lapeyre, James M., to The Peelers Co. Machine for separating shrimp from fish and deheading the shrimp. 2,888,709, 6-2-59, Cl. 17-2.
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- La Plante, Roger A., to North American Phillips Co., Inc. Klystron oscillator and method of adjusting same. 2,874,327, 2-17-59, Cl. 315-553.
- La Plante, Romeo F. Auxiliary ladder step assembly. 2,876,047, 3-3-59, Cl. 304-31.5.
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- Lapin, Milton L., and P. I. Zandberg. Expanding sander chuck. 2,868,548, 1-13-59, Cl. 279-2.
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- Lapsley, Charles H. Turret-supported tool. 2,892,475, 6-30-59, Cl. 144-1.
- Lapsley, Charles H. Power tool apparatus. 2,892,476, 6-30-59, Cl. 144-1.
- Lapsley, Robert, to Clark Equipment Co. Control valve mechanisms. 2,893,260, 7-7-59, Cl. 74-471.
- Lapsley, Robert, to Clark Equipment Co. Clamping device. 2,902,246, 9-1-59, Cl. 248-361.
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- Larason, Allen B.: See—  
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- Ter Berg, Jozef, and Larigaldie. 2,885,534.
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- Larkin, Sam. Apparatus adapted for the bending of wire strip material and the like. 2,869,591, 1-20-59, Cl. 140-71.
- Larkin, Stephen A., and N. H. Ledwan, to General Motors Corp. Rotary seal. 2,890,069, 6-9-59, Cl. 286-5.
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- La Rocca, Rudolph J., and A. Sarko, to General Foods Corp. Coconut products and technique for producing the same. 2,917,746, 12-15-59, Cl. 99-125.
- La Rocca, Salvatore. Handle member. 2,913,275, 11-17-59, Cl. 294-31.
- La Rocque, Armand P., to Philco Corp. Method of making cathode assemblies and products. 2,895,854, 7-21-59, Cl. 117-223.
- La Roe, Earl G., to National Distillers and Chemical Corp. Fumaric acid fermentation process. 2,912,363, 11-10-59, Cl. 195-36.
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- La Rosa, Richard, to Hazeltine Research, Inc. Omni-directional antenna system. 2,885,678, 5-5-59, Cl. 343-852.
- La Rosa, Richard, to Hazeltine Research, Inc. Transmission-line impedance-matching apparatus. 2,897,460, 7-28-59, Cl. 333-33.
- La Rosa, Richard, to Hazeltine Research, Inc. Transmission-line tuning device. 2,915,717, 12-1-59, Cl. 333-82.
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- Larrison, Millard S., and J. F. Henry. Process of producing sodium or potassium acetate, propionate or butyrate. 2,895,990, 7-21-59, Cl. 260-540.
- Larse, George L., to Lockheed Aircraft Corp. Ratio computer having an unbalancing circuit in the feedback loop. 2,905,385, 9-22-59, Cl. 235-196.
- Larsen, Andrew A. Land clearing attachment for tractors. 2,878,881, 3-24-59, Cl. 172-276.
- Larsen, Carl H., to American Machine & Foundry Co. Self leveling storing and dispensing apparatus. 2,901,306, 8-25-59, Cl. 312-71.
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- Larsen, Einar R., to Bathey Mfg. Co. Freight carrier. 2,877,602, 3-17-59, Cl. 211-175.
- Larsen, Einar W., to Western Electric Co., Inc. Capacitor winding machine. 2,916,224, 12-8-59, Cl. 242-56.1.
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- Larsen, Henry M.: See—  
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- Larsen, Herbert, and H. E. Martin, to Siemens & Halske Aktiengesellschaft. Junction and terminal device for laminated high-frequency conductors. 2,915,719, 12-1-59, Cl. 333-96.
- Larsen, Jack, and G. Nordquist, to United States of America, Army. Static charge generating device. 2,882,824, 4-21-59, Cl. 102-70.2.
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- Larsen, Leonard M. Phonograph record filing cabinet. 2,902,327, 9-1-59, Cl. 312-13.
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- Larsen, Merwin J., to General Dynamics Corp. Secret communicating system. 2,913,523, 11-17-59, Cl. 179-1.5.
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- Larsen, Roy L., to Minneapolis-Honeywell Regulator Co. Symmetrically operating servosystem with unsymmetrical servoamplifier. 2,885,612, 5-5-59, Cl. 318-28.
- Larsen, Torleif I.: See—  
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- Larsh, Everett P. Nut gatherer. 2,870,594, 1-27-59, Cl. 56-328.
- Larsh, Everett P. Electromagnetic actuator and switch mechanism and method of operation thereof. 2,876,310, 3-3-59, Cl. 200-104.
- Larsh, Everett P., to The Reliance Electric and Engineering Co. Variable speed power transmission unit. 2,910,877, 11-3-59, Cl. 74-193.
- Larson, Albert D. Bottom discharge reciprocating oil well pump. 2,879,714, 3-31-59, Cl. 103-155.
- Larson, Arthur D., and R. C. Spencer, to Bilas & Laughlin, Inc. Method for improving the surface finish of ferrous materials. 2,877,534, 3-17-59, Cl. 29-81.
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- Larson, Charles O. Leg bracket. 2,873,987, 2-17-59, Cl. 287-14.
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- Larson, Christian C.: See—  
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- Larson, Clayton E., to White Metal Rolling & Stamping Corp. Multi-way ladder. 2,899,008, 8-11-59, Cl. 182-25.
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- Larson, Dorothy K. Screw cap remover. 2,880,633, 4-7-59, Cl. 81-3.4.
- Larson, Edward S., to Fairchild Camera & Instrument Corp. Automatic control mechanism for linecasting and composing machines. 2,872,026, 2-3-59, Cl. 199-61.
- Larson, Edward S., to Fairchild Camera & Instrument Corp. Keyboard perforator. 2,887,158, 5-19-59, Cl. 164-113.
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- Larson, Glen M. Respirator valve assembly. 2,888,012, 5-26-59, Cl. 128-146.
- Larson, Harold A., and W. R. King, to Phillips Petroleum Co. Feeding mechanism. 2,889,575, 6-9-59, Cl. 18-1.
- Larson, Harold F., to United States of America, Atomic Energy Commission. Method of forming elongated compacts. 2,885,287, 5-5-59, Cl. 75-226.
- Larson, Harry I., to J. A. Carlson. Earth drills. 2,870,991, 1-27-59, Cl. 255-22.
- Larson, Herbert: See—  
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- Larson, John I., to Stainless & Steel Products Co. Breather valve for portable milk tanks and the like. 2,909,186, 10-20-59, Cl. 137-202.

- Larson, Melvin L.: See—  
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- Larson, Raymond G.: See—  
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- Larson, Richard L., to Minnesota Mining and Mfg. Co. Tab-forming tape dispenser. 2,873,967, 2-17-59, Cl. 270-68.
- Larson, Rodger G., to United States of America, Navy. Antenna system and switch therefor. 2,892,983, 6-30-59, Cl. 333-13.
- Larson, Wayne F. Car seat. 2,890,740, 6-16-59, Cl. 155-12.
- Larsson, Ernst A., to The Ohio Brass Co. Draft coupler and uncoupling apparatus. 2,897,982, 8-4-59, Cl. 213-100.
- Larsson, Gustaf, and S. Wallin, to Aktiebolaget Svenska Plaktfabriken. Material supply cut-off in pneumatic conveying plants. 2,880,036, 3-31-59, Cl. 302-17.
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- Larsson, Sven G. V., to P. Antlo. Scraping appliance, particularly for milk-skims. 2,896,438, 7-28-59, Cl. 69-46.
- La Rue, Albert D.: See—  
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- La Rue, Albert D., to Raytheon Mfg. Co. End-shield assemblies for grid magnetrans. 2,882,448, 4-14-59, Cl. 315-39.63.
- La Rue, Donald G., to Kaiser Aluminum & Chemical Corp. Hot water tank flue construction. 2,874,683, 2-24-59, Cl. 122-17.
- La Rue, Eleanor S., and F. G.: said F. G. La Rue assor. to said E. S. La Rue. Detachable fastener. 2,874,433, 2-24-59, Cl. 24-103.
- La Rue, Frederick G.: See—  
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- La Rue, Ray M. Cabinet construction. 2,869,955, 1-20-59, Cl. 312-297.
- La Salle Steel Co.: See—  
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- La Salle Tool Co.: See—  
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- La Salle Tool, Inc.: See—  
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- Lasar, William. Guided coupling with retractable sleeve. 2,917,326, 12-15-59, Cl. 285-24.
- Lasater, John A.: See—  
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- Lasch, Albert, to Werner & Pfleiderer. Apparatus for the continuous mixing of materials. 2,868,517, 1-13-59, Cl. 259-6.
- Lashon Foundation, Inc.: See—  
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- Lasecki, Edmund S. Flush and stop rod for toilet tank. 2,908,914, 10-20-59, Cl. 4-67.
- Lasek, Thaddeus A., to American Bosch Arms Corp. Fulcrum lever for governors. 2,870,651, 1-27-59, Cl. 74-522.
- Laser, William F., to City National Bank and Trust Co. of Chicago, as trustee. Labyrinth type magnetic rotary seal. 2,883,212, 4-21-59, Cl. 286-10.
- Laser, William F., to City National Bank and Trust Co. of Chicago, trustee. Rotary seal. 2,917,329, 12-15-59, Cl. 286-10.
- Laser, William F., and K. D. Yost, to City National Bank and Trust Co. of Chicago, as trustee. Rotary seal. 2,882,076, 4-14-59, Cl. 286-11.14.
- Laserow, Max, to A. Lieberman. Denture cushion composition and method for making the same. 2,883,353, 4-21-59, Cl. 260-23.
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Cannon, Edward S., and Lash. 2,874,848.
- Lashbrook, Carl V.: See—  
Sedgwick, William D., Schad, and Lashbrook. 2,878,508.
- Lasher, Hiram S., Jr., to General Electric Co. Electrical pulse producing circuits. 2,877,383, 3-10-59, Cl. 315-166.
- Lashley, Everett R.: See—  
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- Lashley, George E. Exhaust system. 2,913,870, 11-24-59, Cl. 60-29.
- Lasho, Clarence E., Jr., to Collins Radio Co. Method for positively removing a resistance element from a waveguide. 2,876,423, 3-3-59, Cl. 333-98.
- Lasler, David R., to LCN Closers, Inc. Fusible holding arm for door closers. 2,901,064, 8-25-59, Cl. 189-45.
- Lasinski, Theodore M.: See—  
Pick, Joseph R., Lasinski, and Baldwin. 2,867,306.
- Laskin, Carl, to United Aircraft Corp. Differential tachometer. 2,896,101, 7-21-59, Cl. 310-171.
- Lasko, George A. Speedometer indicating means. 2,910,036, 10-27-59, Cl. 116-57.
- Lasko Metal Products, Inc.: See—  
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- Laskowitz, Isidor B. Jet-powered helicopter rotor head and blade construction. 2,915,129, 12-1-59, Cl. 170-135.4.
- Laskowski, Stanley C.: See—  
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- Laskowski, William H., to Borg-Warner Corp. Vertical broiler. 2,868,111, 1-13-59, Cl. 99-392.
- Lasky, Robert A., to Baldwin-Lima-Hamilton Corp. Gas turbine with automatic shift responsive to turbine speed and gas pressure. 2,874,555, 2-24-59, Cl. 74-336.5.
- La Soundure Electrique Autogene, S.A.: See—  
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- La Spirotechnique: See—  
Gagnan, Emile. 2,902,031.  
Gagnan, Emile, and Cousteau. 2,886,033.  
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- Lass, Erwin H.: See—  
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- Lassen, Carl C., Jr. Lining device. 2,881,523, 4-14-59, Cl. 33-37.
- Lassiter, John M. Safety door lock. 2,901,053, 8-25-59, Cl. 180-82.
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Solugen, Louis C., and Bulloff. 2,913,418.
- Lassy, Carl O. Angle plate attachment. 2,887,017, 5-19-59, Cl. 90-59.
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- Last, James, to Elliott Brothers (London) Ltd. Means for feeding record cards for use in statistical, accountancy and other machines. 2,880,994, 4-7-59, Cl. 271-10.
- Lastering, Bernhard: See—  
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- Latchford, William B.: See—  
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- La Telemecanique Electrique: See—  
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- Latendorf Conveying Corp.: See—  
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- Latenser, James S. Insulating sealed wall or window panel. 2,896,272, 7-28-59, Cl. 20-3.
- Latham, Allen E. Venetian blind. 2,891,613, 6-23-59, Cl. 160-176.
- Latham, Burton F., Jr., to Continental Carbon Co. Electric precipitator. 2,903,089, 9-8-59, Cl. 183-7.
- Latham, Morton E.: See—  
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- Latham, Raymond L., to Chrysler Corp. Rocker arm. 2,905,161, 9-22-59, Cl. 123-90.
- Lathrop, Harry D., and J. J. Barski, to The Lathrop-Paulson Co. Belt drive. 2,875,624, 3-3-59, Cl. 74-216.3.
- Lathrop, Harvey. Multi-compartment bill fold. 2,881,818, 4-14-59, Cl. 150-38.
- Lathrop, Henry T., to Bissell Carpet Sweeper Co. Rotary brush assembly for carpet sweepers. 2,915,687, 12-29-59, Cl. 15-41.
- Lathrop, Jay W., and J. R. Nall, to United States of America, Army. Semiconductor construction. 2,890,395, 6-9-59, Cl. 317-234.
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Lathrop, Harry D., and Barski. 2,875,624.
- Lathrop, Robert P., to Baldwin-Lima-Hamilton Corp. Recorder for electrical resistance type condition responsive means. 2,883,617, 4-21-59, Cl. 324-62.
- Latimer, James T., to Jackson Industries, Inc. Veneer lathe. Re. 24,713, 10-6-59, Cl. 144-209.
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- Latimer, Thomas H., to American Metal Products Co. Seat supporting and adjusting mechanism. 2,905,228, 9-22-59, Cl. 155-14.
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- La Torre, Joseph. Lock nut having pivoting concave bearing end and inwardly deformed tip to effectuate uniformly stressed threads. 2,897,867, 8-4-59, Cl. 151-21.
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- Latour, André, to Etablissements Merlin & Gerin. Arc-extinction chambers for circuit-breakers. 2,888,539, 5-26-59, Cl. 200-144.



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- Latourette, Harold K., O. H. Johnson, and J. W. Getz, to Food Machinery and Chemical Corp. Preparation of M-chloroaniline. 2,894,035, 7-7-59, Cl. 260-580.
- Latourette, Harold K., and O. H. Johnson. Preparation of aromatic isocyanates. 2,908,703, 10-13-59, Cl. 260-453.
- Latourette, Harold K., and P. E. Levesque, to Food Machinery and Chemical Corp. Method of stabilizing soils by adding a humate. 2,916,853, 12-15-59, Cl. 47-58.
- La Tourette, Harry B., Jr. Container. 2,867,365, 1-6-59, Cl. 229-15.
- Latrobe Steel Co.: See—
- Hartman, William E. 2,910,355.
- Latter, Bruce B., and W. C. Bodong, to General Electric Co. Safety throwout mechanism for power operated drawers. 2,895,781, 7-21-59, Cl. 312-223.
- Lattmann, Max E., to Contraves AG. Rocket. 2,872,131, 2-3-59, Cl. 244-14.
- Lattuca, John J., to Best Plastics Corp. Plastic filler for shirt collars. 2,889,091, 6-2-59, Cl. 223-83.
- Lattuca, Sam T., to Best Plastics Corp. Plastic sand and water pool. 2,886,828, 5-19-59, Cl. 4-172.
- Latva, Henry F.: See—
- Smith, Milton F., and Latva. 2,897,097.
- Latzen, Josef. Ball and socket joints. 2,876,029, 3-3-59, Cl. 287-90.
- Latzen, Josef. Ball and socket joints and method of making same. 2,878,046, 3-17-59, Cl. 287-87.
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- Lau Blower Co.: See—
- Ganger, Karl M., and Wentling. 2,912,159.
- Lau, Erwin M., to Black Products Co. Control for bag filling machine. 2,871,891, 2-3-59, Cl. 141-10.
- Lau, Francisco J. Device for controlling the flow of fuel from a supply tank to a carburetor in an automobile. 2,906,284, 9-29-59, Cl. 137-384.8.
- Lau, Heinrich W., deceased, L. E. Lau, administratrix. Sewn-in-slack method of webbing fabrication and the towing article produced thereby. 2,892,640, 6-30-59, Cl. 280-480.
- Lau, Lydia E.: See—
- Lau Heinrich W. 2,892,640.
- Laub, Ernest S. V. Compressible plunger for hypodermic syringes. 2,907,330, 10-6-59, Cl. 128-218.
- Laub, Herman, III: See—
- Walker, Patricia P., and Laub. 2,893,380.
- Laubach, Gerald D.: See—
- Agnello, Eugene J., Bloom, and Laubach. 2,904,546.
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- Bloom, Barry M., and Laubach. 2,878,157.
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- Figdor, Sanford K., and Laubach. 2,883,323.
- Laubach, Gerald D., to Chas. Pfizer & Co., Inc. 11,14 per-oxides of substituted ergostadiene compounds. 2,877,221, 3-10-59, Cl. 260-239.55.
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- Laubach, Gerald D., to Chas. Pfizer & Co., Inc. Steroid compounds and their preparation. 2,897,128, 7-28-59, Cl. 204-158.
- Laubach, Gerald D., and W. M. McLamore, to Chas. Pfizer & Co., Inc. Quinazoline derivatives. 2,915,521, 12-1-59, Cl. 260-251.
- Laubach, Howard E., to American Steel Foundries. Coolant drain and sealer arrangement. 2,889,722, 6-9-59, Cl. 77-4.
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- Melchore, James A., and Laube. 2,883,260.
- Laube, Hans, 15% to L. Ruskin, F. B. Carbone, and B. V. Sturz, and 85% to B. Good and H. Laube. Motion pictures with synchronized odor emission. 2,905,049, 9-22-59, Cl. 88-16.
- Laucher, Richard G., and F. A. Coss, to Marquardt Aircraft Co. Thrust reverser for jet engine. 2,874,538, 2-24-59, Cl. 60-35.54.
- Lauchus, Joseph F., and J. P. Neary, to E. I. du Pont de Nemours and Co. Process for dyeing polyester materials at elevated temperatures in stabilized non-aqueous disperse dyebath. 2,882,119, 4-14-59, Cl. 8-55.
- Lauck, Albert G., to Owens-Illinois Glass Co. High speed article transfer apparatus. 2,912,093, 11-10-59, Cl. 198-32.
- Lauck, John A., to Borg-Warner Corp. Constant pressure variable displacement pump. 2,883,937, 4-28-59, Cl. 103-120.
- Lauck, John A., to Borg-Warner Corp. Hydraulic drill press. 2,887,907, 5-26-59, Cl. 77-5.
- Lauck, William A., to Ridge Tool Co. Reaming tool. 2,871,733, 2-3-59, Cl. 77-73.
- Laudel, Arthur, Jr., to United States of America, Office of Civil and Defense Mobilization. Electrical signaling system. 2,906,897, 9-29-59, Cl. 307-140.
- Laudenslager, Harry B., Jr., to Blackstone Corp. Solder fluxes. 2,895,862, 7-21-59, Cl. 148-23.
- Lauder, Walter B., to Brown & Williamson Tobacco Corp. Tobacco hand tie leaf cutter. 2,893,401, 7-7-59, Cl. 131-149.
- Laudig, James J., to The Texas Co. Sealable adhesive composition, the pad comprising same, and process for using said pad. 2,886,248, 5-12-59, Cl. 238-283.
- Laue, Eric G.: See—
- Wright, Harry D., and Laue. 2,917,642.
- Laue, Eric G., to California Institute Research Foundation. Means for detecting resonance vibration. 2,909,059, 10-20-59, Cl. 73-71.4.
- Laue, Karl A. Automatically controlled photographic apparatus in vehicles. 2,876,688, 3-10-59, Cl. 95-11.
- Lauer, Albert W., Jr., to Air Products Inc. Fluid pressure control device. 2,918,018, 12-22-59, Cl. 137-505.11.
- Lauer, Anton, and L. Brück, to Telefunken G. m. b. H. Traveling wave tube structure. 2,876,379, 3-3-59, Cl. 315-3.5.
- Lauer, George. Grading and distributing apparatus. 2,908,389, 10-13-59, Cl. 209-99.
- Lauer, George G.: See—
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- Lauer, James L., to Sun Oil Co. Internal combustion engine ignition systems. 2,901,672, 8-25-59, Cl. 315-226.
- Lauer, James L., to Sun Oil Co. Fuel compositions for spark ignition engines. 2,918,360, 12-22-59, Cl. 44-69.
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- Lauer, Frederic, to J. Rohst and Son S. A. Sheet gripper means for presses. 2,867,275, 1-6-59, Cl. 191-48.
- Lauffer, Maurice K., and W. D. Hall, to Grimes Mfg. Co. Instrument lighting fixtures. 2,916,606, 12-8-59, Cl. 240-21.
- Lauffer, Paul G. Method of making an abrasion-resistant cosmetic film. 2,876,162, 3-3-59, Cl. 167-90.
- Lauffer, Theo. Apparatus for mixing liquids. 2,890,028, 6-9-59, Cl. 259-129.
- Laughlin, Lacey, deceased; N. R. Laughlin, executrix. Traction means for automotive vehicles. 2,894,554, 7-14-59, Cl. 152-208.
- Laughlin, Myron P.: See—
- McMorris, Herschel G., and McCall. 2,894,852.
- Laughlin, Naomi R.: See—
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- Laughlin, Vernon C. Loom reed. 2,870,796, 1-27-59, Cl. 139-192.
- Laughter, Cecil M., and J. J. Fabrication of tools. 2,899,849, 8-18-59, Cl. 76-107.
- Laughter, James J.: See—
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- Laughton, George A. Hair clips. 2,883,993, 4-28-59, Cl. 132-48.
- Laughton, Malcolm. Hangers or alcers for clothes and light articles. 2,895,057, 7-21-59, Cl. 223-92.
- Laubhoff Grain Co.: See—
- Kautz, George M. 2,898,052.
- Laurie, Gavin W., Sr., and Gavin W., Jr. Tire pressure indicator. 2,896,566, 7-28-59, Cl. 116-34.
- Launkluft, Walter, to Daimler-Benz Akt. Camber adjusting device for motor vehicle wheels. 2,890,893, 6-16-59, Cl. 260-96.2.
- Lauler, Louis J.: See—
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- Lanier, Louis J., and M. T. Thorsson, to Fairbanks, Morse & Co. Weighing scale system with weight recorder. 2,882,035, 4-14-59, Cl. 265-5.
- Launders, Ernie L., to H. & L. Tooth Co. Mold board end bit with replaceable tooth. 2,914,868, 12-1-59, Cl. 37-143.
- Launders, Ernie L., M. Frederick, Jr., and A. W. Loudon, to H. & L. Tooth Co. Table and clamp for supporting and holding work in a fabricating machine. 2,903,565, 9-8-59, Cl. 219-124.
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- Laurence, Lawton L.: See—
- Mitchell, Kenneth G., McMin, and Laurence. 2,909,905.
- Laurence, Roger F., to Winston Electronics Ltd. Loud-speaking telephone systems. 2,878,314, 3-17-59, Cl. 179-1.
- Laurenson, Robert: See—
- Cowan, Gerald de G., Laurenson, and Van Hemert. 2,889,514.

- Laurent, Andre J. M. Shock cushioning wheel. 2,872,962, 2-10-59, Cl. 152-10.
- Laurent, George J., to United States of America, Navy. Pulse-to-pulse non-linear filters. 2,908,812, 10-13-59, Cl. 250-20.
- Lauretti, Placentino. Shoe upper shaping machine. 2,915,765, 12-8-59, Cl. 12-97.
- Lauria, Francesco: See—
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- Laurich, Albert A.: See—
- Kiehl, Arthur H., and Laurich. 2,912,078.
- Laurie, Floyd S., to American Metal Products Co. Hold-down clip for shelf. 2,909,289, 10-20-59, Cl. 211-136.
- Laurie, Gavin W., Jr.: See—
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- Laurie, William H., to The Superior Electric Co. Variable transformer. 2,896,179, 7-21-59, Cl. 336-141.
- Lauring, Edgar A., to Minnesota and Ontario Paper Co. Drill removing means for multiple spindle drill. 2,900,184, 8-18-59, Cl. 269-127.
- Lauritsen, Charles C., to United States of America, Navy. Fuse. 2,873,681, 2-17-59, Cl. 102-81.
- Lauritsen, John F.: See—
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- Gilbert, Bernard L., Kallinsky, and Lauro. 2,915,639.
- Laurosesh, Thomas J., to United States of America, Navy. Rotary scanning device. 2,873,381, 2-10-59, Cl. 250-236.
- Laurie, Michel: See—
- Jouille, Maurice, Laurie, Maillard, and Muller. 2,894,039.
- Lauschke, Hans-Ulrich, to Anker-Werke Aktiengesellschaft. Programming apparatus for accounting machines. 2,902,215, 9-1-59, Cl. 235-61.9.
- Lausman, Walter A. Putty applicator tool. 2,914,798, 12-1-59, Cl. 18-3.5.
- Lautenbacher, Johann, to Enna-Werk Optische Anstalt Dr. Appelt K.G. Photographic objectives. 2,907,248, 10-6-59, Cl. 88-57.
- Lautenschlager, Hans, and H. Friederich, to Badische Anilin- & Soda-Fabrik Akt. Production of acrylic acid esters. 2,886,591, 5-12-59, Cl. 260-486.
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- Lautenschlager, Hans, and H. Friederich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of acrylic acid and its esters. 2,916,513, 12-8-59, Cl. 260-486.
- Lauterbach, Herbert G., to E. I. du Pont de Nemours and Co. Process of shaping resin-impregnated filamentary material. 2,875,474, 3-3-59, Cl. 18-56.
- Lauterbach, Herbert G., to E. I. du Pont de Nemours and Co. Formation of felt-like products from synthetic filaments. 2,893,105, 7-7-59, Cl. 28-72.2.
- Lauterbach, Herbert G., to E. I. du Pont de Nemours and Co. Felt-like products. 2,910,763, 11-3-59, Cl. 28-72.2.
- Lauterbach, Herbert G., and H. M. Norton, to E. I. du Pont de Nemours and Co. Non-woven filamentary products and process. 2,908,044, 10-13-59, Cl. 28-72.
- Lauterbach, William E., and P. Strutynski, to Dole Refrigerating Co. Hydraulic system for freezer. 2,896,427, 7-28-59, Cl. 62-341.
- Lautner, Max E., to Howard Industries, Inc. Electric motors. 2,904,709, 9-15-59, Cl. 310-90.
- Lautz, William H.: See—
- Maffel, John A., and Lautz. 2,889,786.
- Lautzenhiser, Argyle G., to General Motors Corp. Circuit control. 2,881,289, 4-7-59, Cl. 200-122.
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- Lautzenhiser, Argyle G., and K. E. Falver, to General Motors Corp. Control device. 2,901,241, 8-25-59, Cl. 267-11.
- Lauxen, Carl, to Radio Corp. of America. Geneva movement. 2,870,647, 1-27-59, Cl. 74-436.
- Laval, Claude C., Jr. Sampling apparatus. 2,870,980, 1-27-59, Cl. 255-14.
- Lavallee & Ide, Inc.: See—
- Lavallee, Joseph A. 2,917,952.
- Lavallee, Joseph A., to Lavallee & Ide, Inc. Reamer manufacture. 2,917,952, 12-22-59, Cl. 76-101.
- La Valley, Robert J., to American Radiator & Standard Sanitary Corp. Coil inner tube spacer. 2,875,987, 3-3-59, Cl. 257-254.
- Lavanchy, Patricia B., to Johnson & Johnson. Product and method of manufacture. 2,912,348, 11-10-59, Cl. 117-76.
- Lavanchy, Patricia B., H. M. Sonnichsen, and J. F. McElroy, to Johnson & Johnson. Adhesive tapes. 2,888,467, 5-12-59, Cl. 117-76.
- Lavayssiere, Paul, to Etablissements T.R.M.-Technique, Radio, Mecanique. High frequency heating system. 2,898,432, 8-4-59, Cl. 219-10.77.
- Lavender, Harrison M., Jr.: See—
- Scott, John W., Jr., Lavender, and Rossi. 2,870,230.
- Laverdisse, Edmond, to Les Glaceries de la Sambre, Societe Anonyme. Apparatus for vertically actuating the tools of machines for grinding and/or polishing glass. 2,906,066, 9-29-59, Cl. 51-165.
- Lavery, Martin J.: See—
- Rypinski, Albert B., Smith, Brunner, and Lavery. 2,890,306.
- Lavery, Charles A., to National Tank Co. Oil and gas separators. 2,911,058, 11-3-59, Cl. 183-2.7.
- Lavery, Grant G.: See—
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- Lavery, Thomas F.: See—
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- La Vezzi Machine Works: See—
- La Vezzi, Robert V. 2,885,925.
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- Lavina, Donald W., to General Motors Corp. Thermostat. 2,882,370, 4-14-59, Cl. 200-138.
- Laviana, Donald W., to General Motors Corp. Switch assembly. 2,910,551, 10-27-59, Cl. 200-1.
- Laviana, Lawrence J., to M. H. Rhodes, Inc. Timer. 2,913,048, 11-17-59, Cl. 161-1.
- Lavieri, Daniel C., and W. J. Hawley, to Pratt & Whitney Co., Inc. Tracer control for profiling machine tools. 2,879,695, 3-31-59, Cl. 90-62.
- Lavigne, Maurice J.: See—
- Potvin, Roger J. A., Lavigne, and Laberge. 2,915,417.
- Lavigne, Michael A. 25% to J. Trux. Deep drawing of cylindrical shapes. 2,901,995, 9-1-59, Cl. 113-38.
- Lavin, Edward, and J. A. Cote, to Shawinigan Resins Corp. Polyvinyl acetal-phenol aldehyde resin wire enamel and method of using same. 2,917,416, 12-15-59, Cl. 117-232.
- Lavin, Edward, A. F. Fitzhugh, and R. N. Crozier, to Shawinigan Resins Corp. Electrical insulation comprising polyvinyl acetal-phenol aldehydes cured with oxacids of phosphorus. 2,917,482, 12-15-59, Cl. 260-43.
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- Lavoie, Edward V. Automobile window screen. 2,898,982, 8-11-59, Cl. 160-40.
- Lavoie, J. Gerard and N. R., and C. B. Wunderlich. Adjustable seating apparatus for vehicles. 2,879,829, 3-31-59, Cl. 155-9.
- Lavoie, Noel R.: See—
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- Lavoo, Norman T., and R. L. Kyhl, to General Electric Co. Microwave grounded cathode circuit. 2,867,696, 1-6-59, Cl. 179-171.
- Lavrich, Milton E.: See—
- Murtaugh, Justin J., Lavrich, Ruff, Krueck, and Grant. 2,898,209.
- Law, Edwin. Combined ash tray and cigarette holder. 2,910,986, 11-3-59, Cl. 131-175.
- Law, Harold B., H. S. Allwine, and D. C. Darling, to Radio Corp. of America. Simplified scanning means for flat type kinescope. 2,880,365, 3-31-59, Cl. 315-23.
- Law, Hilton, to The English Electric Co. Ltd. Frequency responsive electric circuit arrangements and control systems. 2,907,942, 10-6-59, Cl. 318-328.
- Law, Marvin A., to Fieldcrest Mills, Inc. Wear resistant selvedge for woven fabrics. 2,912,015, 11-10-59, Cl. 139-383.
- Lawhead, Robert E., Jr.: See—
- Hamilton, Francis E., Hawkins, Lawhead, and Hughes. 2,901,116.
- Lawhorn, Roger W., C. A. Woodcock, and S. E. Womack, to Stewart-Warner Corp. Engine performance meter. 2,894,252, 7-7-59, Cl. 340-282.
- Lawick, Julius J. Door operating apparatus. 2,909,718, 10-20-59, Cl. 318-266.
- Lawitschka, Kurt, to Klockner-Humboldt-Deutz Aktiengesellschaft. Oil controlling. 2,912,292, 11-10-59, Cl. 309-45.
- Lawler, Edward B., R. D. Vartanian, and P. B. Roth, to American Cyanamid Co. Process for preparing aluminum phosphate dispersion and process of treating pile fabric with the resulting dispersion. 2,909,451, 10-20-59, Cl. 117-169.
- Lawler, Herbert E. Boat support. 2,907,294, 10-6-59, Cl. 114-230.
- Lawler, Joseph A., to Blue M Electric Co. Control apparatus. 2,898,436, 8-4-59, Cl. 219-20.
- Lawler, Richard P., to The Foxboro Co. High speed resistance thermometer. 2,888,655, 5-26-59, Cl. 338-28.
- Lawless, Clement J. Removable and reversible table top construction. 2,903,312, 9-8-59, Cl. 311-35.
- Lawless, Norman D., H. L. Roat, and R. M. Wheeler, to General Motors Corp. Electrical instrument of the differential galvanometer type. 2,875,407, 2-24-59, Cl. 324-140.
- Lawless, Robert M., and A. F. Klopff, to The Dow Chemical Co. Method of treating particulate iron ore. 2,888,341, 5-26-59, Cl. 75-3.
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- Reed, Hugh W. B., and Lawley. 2,891,937.
- Lawlor, Francis E.: See—
- Barr, John T., and Lawlor. 2,894,991.
- Hauptschein, Murray, Braid, and Lawlor. 2,884,466.
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- Lawlor, Joseph R., to Tee-Pak, Inc. Food package. 2,897,087, 7-28-59, Cl. 99-171.
- Lawlor, Martin T., to Scoville Mfg. Co. Perfume container. 2,889,065, 6-2-59, Cl. 215-12.
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- Lawnercraft Mfg. Corp.: See—  
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- Lawrence Bros., Inc.: See—  
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- Lawrence, Edith. Drip dryer rods for bathrooms. 2,885,086, 5-5-59, Cl. 211-13.
- Lawrence, Ernest O., to United States of America. Atomic Energy Commission. Calutrons. 2,871,364, 1-27-59, Cl. 250-41.9.
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- Lawrence Holdings (Overseas) Ltd.: See—  
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- Lawrence, James B.: See—  
Nleman, Chauncy W., and Lawrence. 2,911,035.
- Lawrence, John W., to Lawrence Holdings (Overseas) Ltd. Machine for producing fins for finned tube core structures. 2,876,723, 3-10-59, Cl. 113-1.
- Lawrence, Joseph D., Jr., to Sperry Rand Corp. Magnetic amplifier drive for coincident current switch. 2,901,735, 8-25-59, Cl. 340-174.
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- Lawrence, Lewis W.: See—  
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- Lawrence, Leland E., to Allen-Bradley Co. Twin coil electromagnetic actuator. 2,903,537, 9-8-59, Cl. 200-104.
- Lawrence, Marlon D. Educational device for teaching spelling and arithmetic. 2,884,714, 5-5-59, Cl. 35-31.
- Lawrence, Michael J., to Chicago Carton Co. Carton set-up machine. 2,909,105, 10-20-59, Cl. 93-51.
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- Lawrence, Owen N., to Joseph Lucas (Industries) Ltd. Liquid fuel control means for jet engines. 2,872,784, 2-10-59, Cl. 60-39.38.
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- White, Roger L. 2,912,152.
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- Lawrence, Richard R. Combined jar and safety joint. 2,915,289, 12-1-59, Cl. 255-27.
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- Lawsberg, Charles L., to General Aniline & Film Corp. Method of coloring woven glass fibers. 2,919,172, 12-29-59, Cl. 8-8.
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- Lawsky, Max W. Article reminiscent of special occasions. 2,917,853, 12-22-59, Cl. 40-130.
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- Lawson, Bert E. A., to Sylvania Electric Products Inc. Process for fabricating a socket mount. 2,918,721, 12-29-59, Cl. 29-150.
- Lawson, E. P., Co., Inc.: See—  
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- Lawson, Herbert E., to United States of America. Navy. Delayed action battery. 2,918,515, 12-22-59, Cl. 136-90.
- Lawson, Hollis E. Door check. 2,872,232, 2-3-59, Cl. 292-80.
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- Lawson, Ivar S. Method for continuously producing strips of molding of predetermined length from an endless metal ribbon. 2,909,138, 10-20-59, Cl. 113-116.
- Lawson, John D., to Texas Instruments Inc. Navigation system. 2,888,752, 6-2-59, Cl. 33-204.
- Lawson, Paul C., to Pittsburgh Plate Glass Co. Apparatus for bending glass. 2,872,755, 2-10-59, Cl. 49-67.
- Lawson, Robert H., to Scott & Williams, Inc. Circular multi-feed stocking knitting machine. 2,890,577, 6-16-59, Cl. 66-42.
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- Lawson, Shelby D., to Phillips Petroleum Co. Apparatus for transporting viscous oils. 2,876,081, 3-3-59, Cl. 23-288.
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- Lawson, William A., Jr.: See—  
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- Lawthers, Dean D., to Westinghouse Electric Corp. Molybdenum base alloys. 2,883,284, 4-21-59, Cl. 75-211.
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- Lawton, Elliott J., to General Electric Co. Irradiated polyethylene. 2,906,679, 9-29-59, Cl. 204-154.
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- Lawton, Harold J.: See—  
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- Lawton, Ledra M., to General Motors Corp. Composition for soldering metal and method for using same. 2,867,037, 1-6-59, Cl. 29-487.
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- Lax, Leona, to Sarong, Inc. Pantie girdle. 2,875,765, 3-3-59, Cl. 128-528.
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- Lay, Clarence M., to Vaughan & Bushnell Mfg. Co. Claw hammer with tubular handle. 2,874,738, 2-24-59, Cl. 145-29.
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- Lay, Nat., Inc.: See—  
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- Layburn, Robert L., and B. R. Stachlewicz, to General Dynamics Corp. Automatic gain control for translator receiver circuits. 2,892,932, 6-30-59, Cl. 250-20.
- Layden, Paul W. Sheet feeding system for printing presses and the like. 2,874,962, 2-24-59, Cl. 271-27.
- Layer, Edwin H., and E. R. Olson, to United States of America. Air Force. Apparatus for automatically coating ceramic rods with metal or metal alloy by thermal evaporation. 2,902,972, 9-8-59, Cl. 118-48.
- Layman, Loren J. Button hooks for arm and hand amputees. 2,912,733, 11-17-59, Cl. 24-40.
- Layman, Ralph E., Jr.: See—  
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- Layman, Ralph E., Jr., to American Cyanamid Co. Resinous reaction product of an aliphatic polycarboxylic acid, certain oil acids, an adduct of ethylene oxide and certain polyhydric alcohols and rosin acids. 2,889,294, 6-2-59, Cl. 260-22.
- Layne, Amos E. Boat trailer. 2,915,209, 12-1-59, Cl. 214-506.
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- Layne, Edwin T., to Hydrocarbon Research, Inc. Olefin polymerization process using maintained phosphoric acid catalyst. 2,909,580, 10-20-59, Cl. 260-683.15.

- Layng, Oral W. Camera flash bulb shield and light control unit. 2,879,377, 3-24-59, Cl. 240-13.
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- Layton, J. C.: See—  
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- Tucker, Council A., and Layton. 2,908,451.
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- Lazar, John M. Rotary shaft sealing means. 2,887,332, 5-19-59, Cl. 286-11.14.
- Lazar, John M. Seals. 2,887,335, 5-19-59, Cl. 288-21.
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- Lazar, Melvin E., and M. J. Powers, to United States of America. Agriculture. Method for preparing unsulphured dehydrated fruits. 2,895,836, 7-21-59, Cl. 99-204.
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- Lazarites, Webb R.: See—  
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- Lazarowicz, Gustaw, to Orenda Engines Ltd. Expansion compensating coupling device. 2,868,339, 1-13-59, Cl. 189-36.
- Lazarr, Thaddeus R. L., to Western Electric Co., Inc. Molding apparatus for making work-holding fixtures. 2,880,463, 4-7-59, Cl. 18-39.
- Lazarte, Jorge A.: See—  
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- Lazarus, Gerald S.: See—  
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- Lazarus, Jack: See—  
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- Lazarus, Max A. Ultrasonic cleaner and degreaser. 2,896,648, 7-28-59, Cl. 134-147.
- Lazo, Mario. Sleeping device. 2,891,252, 6-23-59, Cl. 2-15.
- Lazur, Thomas. Adjustable fishing rod. 2,900,153, 8-18-59, Cl. 248-44.
- Lazaro, Vincent J. Holder for supporting toilet articles. 2,884,137, 4-28-59, Cl. 211-65.
- Lea, Carlisle G.: See—  
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- Lea, James P.: See—  
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- Lea, Lawrence. Telephone call tracing and recording system. 2,900,449, 8-18-59, Cl. 179-6.
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- Leach, Burleigh H.: See—  
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- Leach, Clayton B.: See—  
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- Leach Corp.: See—  
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- Schuessler, John C. 2,919,324.
- Leach, Clayton B.: See—  
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- Leach, Clayton B., to General Motors Corp. Timing chain and fuel pump drive, lubricating means. 2,907,411, 10-6-59, Cl. 181-6.
- Leach, Harry S., and B. M. Eldred, to Monsanto Chemical Co., and to Heyden Newport Chemical Corp. Purification of methanol. 2,868,849, 1-13-59, Cl. 260-643.
- Leach, Holt. Joint for adjacent panel members. 2,905,283, 9-22-59, Cl. 189-36.
- Leach, Hugh K., to The Murray Corp. of America. Automatic clock washing machine with water level control. 2,909,050, 10-20-59, Cl. 68-12.
- Leach, James M., to Chas. Pfizer & Co., Inc. Stabilized polycarboxylic acid esters. 2,894,979, 7-14-59, Cl. 260-475.
- Leach, John M. Hook conveyors. 2,884,116, 4-28-59, Cl. 198-177.
- Leach, Lester L.: See—  
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- Leahy, James F., and C. B. Noonan, to United Shoe Machinery Corp. Fastening machines. 2,890,481, 6-16-59, Cl. 18-1.
- Leahy, James F., and J. P. Szumski, to United Shoe Machinery Corp. Rubber-resin cutting pads and methods of mixing and milling rubber-resin compositions. 2,912,388, 11-10-59, Cl. 252-511.
- Leake, James M. Stamped valve rotator cage. 2,875,740, 3-3-59, Cl. 123-90.
- Leake, Norman H., and M. L. Fielden, to The S. E. Massengill Co. Theophylline derivatives. 2,887,486, 5-19-59, Cl. 260-253.
- Leaman, Raymond J., and H. Felge, to Baker Perkins Inc. Article transfer apparatus. 2,883,032, 4-21-59, Cl. 198-24.
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- Leanza, William J., to Merck & Co., Inc. 1-etherified oxyalkyl imidazole-4,5-dicarboxamides. Intermediates and process. 2,897,205, 7-28-59, Cl. 260-309.
- Leaper, Joseph M. F., J. R. Bishop, and W. P. Anderson, to Amchem Products, Inc. Method of eradicating weeds. 2,904,422, 9-15-59, Cl. 71-2.3.
- Lear, Earl B., to Chicago Pneumatic Tool Co. Rife nut retainer for rock drill. 2,910,046, 10-27-59, Cl. 121-7.
- Lear, Earl B., and G. E. Douglas, to Chicago Pneumatic Tool Co. Wheel lock. 2,901,260, 8-25-59, Cl. 280-29.
- Lear, Floyd R., Sr., to Industrial Gravure Co. Etching machine. 2,879,616, 3-31-59, Cl. 41-9.
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- Currison, Loren E. 2,867,405.
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- Moody, Steven M. 2,903,110.
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- Leathers, Ward, to Burroughs Corp. Wire printer with oscillatory print head. 2,911,085, 11-3-59, Cl. 197-1.
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- Le Baron, Ira M., to International Minerals & Chemical Corp. Beneficiation of minerals. 2,889,042, 6-2-59, Cl. 209-127.
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- Le Baron, Ira M., to International Minerals & Chemical Corp. Method of preparing defluorinated material. 2,889,200, 6-2-59, Cl. 23-109.
- Le Baron, Ira M., to International Minerals & Chemical Corp. Process for producing defluorinated phosphate material. 2,889,217, 6-2-59, Cl. 71-47.
- Le Baron, Ira M., to International Minerals & Chemical Corp. Salad dressing. 2,893,874, 7-7-59, Cl. 99-144.
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- Le Baron, Theodore, and E. B. Dodds, to Better Packages, Inc. Electrically controlled strip serving machine. 2,892,560, 6-30-59, Cl. 164-49.
- Le Barre, Robert M. Upholstered cushions and equipment for upholstering the same. 2,870,824, 1-27-59, Cl. 155-182.
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- Lebedinsky, Myron, to Societe Anonyme de Telecommunications. Equipment for telecommunications by means of hertzian beams. 2,904,725, 9-15-59, Cl. 317-99.
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- Le Blond, R. K., Machine Tool Co., The: See—  
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- Lebourg, Maurice P., to Borg-Warner Corp. Method and apparatus for detonating explosive devices in bore holes. 2,873,675, 2-17-59, Cl. 102-20.
- Lebourg, Maurice P., to Schlumberger Well Surveying Corp. Well methods and apparatus. 2,888,078, 5-26-59, Cl. 166-27.
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- Le Bus, Franklin L., Sr. Slip joints. 2,886,289, 5-12-59, Cl. 235-28.
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- Lecher, Hans Z., and E. M. Hardy, to American Cyanamid Co. Preparation of tetraalkylisothioureas. 2,872,484, 2-3-59, Cl. 260-564.
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- Lecher, Hans Z.: See—  
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- Lechner, Herbert, to Arnold & Richter K. G. Method and means of conveying carrier strips carrying layers to be treated chemically and/or physically, especially layers consisting of light-sensitive emulsion, through at least one treating device. 2,869,865, 1-20-59, Cl. 271-2.3.
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- Lecluyse, Edouard, B. Dewey, and A. Quinche, to American Can Co. Method for printing and forming non-circular tubular plastic bodies. 2,913,768, 11-24-59, Cl. 18-47.5.
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- Lederer, Ernest A., to Westinghouse Electric Corp. Getter for electron discharge device. 2,899,257, 8-11-59, Cl. 316-25.
- Lederer, Ernest A., to Westinghouse Electric Corp. Color television screen. 2,915,661, 12-1-59, Cl. 313-73.
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- Lederman, Burton E., to Commonwealth Engineering Corp. Hammered metal finish compositions and method of making the same. 2,873,261, 2-10-59, Cl. 260-18.
- Lederman, Samuel, and W. R. MacLean, to United States of America, Air Force. Method of improving induction heating efficiency. 2,899,525, 8-11-59, Cl. 219-10.41.
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- Ledford, Raymond F.: See—  
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- Ledgerwood, Robert W., to Roll-Away Truck Mfg. Co., Inc. Transfer truck. 2,899,010, 8-11-59, Cl. 182-118.
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- Lee, Arthur L., to Consolidation Coal Co. Mine haulage vehicle. 2,912,184, 11-10-59, Cl. 242-86.51.
- Lee, Arthur L., to Consolidated Coal Co. Mining machine. 2,917,282, 12-15-59, Cl. 255-51.
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- Lee, Burton D., to The Texas Co. Seismic prospecting. 2,871,461, 1-27-59, Cl. 340-15.
- Lee, Catherine W. Safety garment and belt for infants. 2,868,194, 1-13-59, Cl. 128-134.
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- Lee, Charles A., to Kimberly-Clark Corp. Flow control apparatus. 2,884,061, 4-28-59, Cl. 162-317.
- Lee, Dolores R.: See—  
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- Lee, Earnest M., to Roll-O-Matic Chain Co. Chain gate for open top trucks. 2,886,105, 5-12-59, Cl. 160-328.
- Lee, Edgar D., Jr., to Lee-Rowan Co. Finger lock for trouser creaser. 2,886,360, 5-12-59, Cl. 287-58.
- Lee, Edwin C., to International Standard Electric Corp. Flexible connecting means for anchoring a submarine cable to a repeater housing. 2,877,031, 3-10-59, Cl. 287-85.
- Lee, Emory C., to Elgin National Watch Co. Crystal tool for watches and like devices. 2,908,967, 10-20-59, Cl. 29-210.
- Lee, Ferman N., deceased (by D. R. Lee, executrix), and L. E. Proulx, to United Shoe Machinery Corp. Heel attaching machines. 2,877,460, 3-17-59, Cl. 1-32.
- Lee, Ferman N., deceased, by D. R. Lee, executrix, W. F. MacKenzie, A. C. D'Arcy, and A. G. Cicchetti, to United Shoe Machinery Corp. Heel attaching machines and work conveying means for use therewith. 2,904,788, 9-22-59, Cl. 1-104.
- Lee Foundation for Nutritional Research: See—  
Lee, Royal. 2,891,207.
- Lee, Fred A., to International Harvester Co. Motor vehicle fender locking means. 2,868,310, 1-13-59, Cl. 180-89.
- Lee, Geoffrey P., to Imperial Chemical Industries Ltd. Blends of rubbery materials with resinous styrene-butadiene copolymers. 2,880,185, 3-31-59, Cl. 260-4.
- Lee, Glendon T. Display apparatus. 2,901,847, 9-1-59, Cl. 40-31.
- Lee, Harley C.: See—  
Eels, Howard P., Jr., Pearson, and Lee. 2,898,194.
- Lee, Harold G.: See—  
Rinker, Lyman E., and Lee. 2,870,640.
- Lee, Harry E., to St. Regis Paper Co. Valve bag with pasted end closure. 2,891,716, 6-23-59, Cl. 229-62.5.
- Lee, Harry W. Oil skimmer and separator vessel. 2,876,903, 3-10-59, Cl. 210-242.
- Lee, Helen, to S.D.S. Inc. Brassieres. 2,883,988, 4-28-59, Cl. 128-470.
- Lee, Henry H., R. F. Berger, and F. E. Gilmore, to Phillips Petroleum Co. Hydrocarbon conversion process with an improved control system and method of operating supercharged engines. 2,905,627, 9-22-59, Cl. 208-103.
- Lee, Herbert C., and W. P. Allenby, said Allenby assor. to said Lee, Recorders. 2,911,144, 11-3-59, Cl. 235-61.
- Lee, Jack C. Truck safety braking means. 2,887,185, 5-19-59, Cl. 188-4.
- Lee, Jack C. Arc welder. 2,890,323, 6-9-59, Cl. 219-130.
- Lee, James A.: See—  
Da Costa, Harry, and Lee. 2,896,953.
- Lee, John: See—  
Gardner, Thomas S., Lee, and Wenis. 2,908,688.
- Lee, John C.: See—  
Zieg, Clifford V., Lee, and Lambert. 2,918,878.
- Lee, John M.: See—  
Walter, Ned F., Waters, and Lee. 2,888,490.
- Lee, Katherine L.: See—  
Lee, Louis L. 2,913,712.
- Lee, Koung-Shin. Graphical instrument. 2,867,906, 1-13-59, Cl. 33-93.
- Lee, Leighton, II. Speed-responsive control. 2,887,119, 5-19-59, Cl. 137-48.
- Lee, Lester D. Apparatus for separating particles from liquid. 2,907,461, 10-6-59, Cl. 210-135.
- Lee, Lloyd L., to Omer E. Robbins Co. Needle bearing assembly machine. 2,890,518, 6-16-59, Cl. 29-201.
- Lee, Louis L., deceased, by K. L. Lee, administratrix. Anti-shoplifting alarm device. 2,913,712, 11-17-59, Cl. 340-280.
- Lee, Luther E. Fluid pressure seal. 2,877,070, 3-10-59, Cl. 309-23.
- Lee, Luther E. Fluid operated valve. 2,882,930, 4-21-59, Cl. 137-620.
- Lee, Luther E. Machine tool. 2,889,754, 6-9-59, Cl. 90-16.
- Lee, Luther E. Fluid control system for machine tools. 2,897,790, 8-4-59, Cl. 121-45.
- Lee, Lyman S., and H. L. Hayden, to Jack & Heintz, Inc. Torque sensing brake release mechanism. 2,905,289, 9-22-59, Cl. 192-2.
- Lee, Maurice W., Sr. Aromatic pressure cooker and smoker. 2,906,191, 9-29-59, Cl. 99-259.
- Lee, Milford R.: See—  
Doty, William E. N., and Lee. 2,874,795.
- Lee, Mortimer, to Northrop Corp. Camera correlation system. 2,891,439, 6-23-59, Cl. 88-16.
- Lee, Myron J. Molding and sealing cap for pipes. 2,914,832, 12-1-59, Cl. 25-118.
- Lee, Norman, to The Keelavite Co. Ltd. Flow control valves and apparatus embodying such valves. 2,881,793, 4-14-59, Cl. 137-501.
- Lee, Oran O.: See—  
Mahau, Laban A., and Lee. 2,911,922.
- Lee, Pyungtoo W., to The Dentists' Supply Co. of New York. Porcelain type denture composition. 2,897,595, 8-4-59, Cl. 32-8.
- Lee, Pyungtoo W., and G. Müller, to Dentists' Supply Co. of New York. Fluorescent artificial teeth. 2,895,050, 7-14-59, Cl. 250-71.
- Lee, Ray E.: See—  
Delse, Louis F., and Lee. 2,883,524.
- Lee, Ray H., to Chromatic Television Laboratories, Inc. Distortion correction in cathode-ray tubes. 2,890,379, 6-9-59, Cl. 315-14.
- Lee, Richard. Window screen. 2,892,498, 6-30-59, Cl. 160-369.



- Lee, Richard J., R. I. Kallman, T. M. Steinbach, and R. F. Stoming, to The Dow Chemical Co. Dispensing container for rolls of sheet wrapping material. 2,890,822, 6-16-59, Cl. 225-51.
- Lee, Robert C.: See—  
Brooks, Chester E., Fleckenstein, Lee, and Seckler. 2,876,288.
- Lee, Robert E. Liquid wax applicator. 2,904,812, 9-22-59, Cl. 15-138.
- Lee, Robert E., and I. A. Benjamin, to Granite City Steel Co. Floor structure having electrical conduits. 2,912,848, 11-17-59, Cl. 72-16.
- Lee, Robert J., J. T. Kelly, and H. M. Knight, to The American Oil Co. Depolyalkylation process for producing para-butyl toluene. 2,918,504, 12-22-59, Cl. 260-671.
- Lee, Robert L. Mechanically operated amusement device. 2,882,051, 4-14-59, Cl. 272-53.1.
- Lee-Rowan Co.: See—  
Lee, Edgar D., Jr. 2,886,360.
- Lee, Roy, Jr., to Phillips Petroleum Co. Manufacture of phosphoric acid. 2,887,362, 5-19-59, Cl. 23-165.
- Lee, Royal. Variable speed transmissions. 2,868,039, 1-3-59, Cl. 74-798.
- Lee, Royal, to Lee Foundation for Nutritional Research. Synchronous electric motors. 2,891,207, 6-16-59, Cl. 318-186.
- Lee, Samuel: See—  
Chase, Fletcher A., Lee, and Montgomery. 2,911,302.
- Lee, Shih-Ying: See—  
Li, Yao T., and Lee. 2,913,693.
- Lee, Shih-Ying, to Research Corp. Valves and method of making same. 2,875,782, 3-3-59, Cl. 137-622.
- Lee, Shih-Ying, and Y. T. Li. Strain gage transducer. 2,913,692, 11-17-59, Cl. 338-6.
- Lee, Thomas H.: See—  
Burch, James R., and Lee. 2,882,457.
- Greenwood, Allan, Lee, and Schneider. 2,892,912.
- Lee, Thomas H., to General Motors Corp. Ground spring clip. 2,911,608, 11-3-59, Cl. 339-14.
- Lee, Walter, to The Black & Decker Mfg. Co. Hedge trimmer attachment. 2,882,596, 4-21-59, Cl. 30-216.
- Lee, Walter J., to The Goodyear Tire & Rubber Co. Tubeless tire valve. 2,917,097, 12-15-59, Cl. 152-427.
- Lee, Warren G., to General American Transportation Corp. Processes of continuous chemical nickel plating. 2,872,354, 2-3-59, Cl. 117-130.
- Lee, Wilbur J., and J. M. Egly, to United States of America, Army. Mount for helmet headband suspensions. 2,892,194, 6-30-59, Cl. 2-53.
- Lee, Wilfred J.: See—  
Stenhouse, Revis L., and Lee. 2,898,078.
- Lee, William H. Securing of insert elements in grilles and the like. 2,916,113, 12-8-59, Cl. 189-84.
- Lee, William W.: See—  
Bennett, George E., and Lee. 2,887,371.
- Brown, Arthur G., Lee, and Sancier. 2,913,460.
- Leece-Neville Co.: See—  
Clark, Joseph T., Jr. 2,890,357.
- Hahn, Elmer H., Jr. 2,907,214.
- Halliday, William M. 2,875,356.
- Halliday, William M. 2,877,402.
- Halliday, William M. 2,884,549.
- Halliday, William M. 2,907,215.
- Orvis, Elmer P. 2,874,346.
- Orvis, Elmer P. 2,907,943.
- Zenner, Raymond E., and Bergslien. 2,877,404.
- Leech, Donald J., to Normalair Ltd. Automatic air flow controllers. 2,902,915, 9-8-59, Cl. 98-15.
- Leech, Harold C., to Syfonex (Pty) Ltd. Aeration of liquids. 2,912,018, 11-10-59, Cl. 141-18.
- Leed Research Co.: See—  
Krukowski, Richard E. 2,886,624.
- Leeder, George S.: See—  
Thompson, William E., and Leeder. 2,911,384.
- Leeder, Jacob, to United States of America, Air Force. Electronic scaling apparatus in analog computers. 2,913,181, 11-17-59, Cl. 235-194.
- Leedham, Kenneth, and P. J. Garner, to Shell Development Co. Iron carbonyl-cyclopentadiene complexes. 2,898,359, 8-4-59, Cl. 260-439.
- Leeds, Charles M., H. B. Hoff, W. M. Pellno, and J. Johansen, to Servo Electronic Switch and Signal Co. Supervisory remote control and signalling system. 2,883,647, 4-21-59, Cl. 340-163.
- Leeds, Laurance M., to General Electric Co. Automatic frequency control. 2,912,651, 11-10-59, Cl. 331-17.
- Leeds and Northrup Co.: See—  
Bristol, Edward S. 2,895,056.
- Clark, William R. 2,884,788.
- Clark, William R. 2,913,654.
- Eckfeldt, Edgar L. 2,886,496.
- Eckfeldt, Edgar L., and Kuczyński. 2,888,640.
- Kraftson, Harry A., and Yard. 2,895,335.
- Machler, Raymond C., and Fastle. 2,912,862.
- McAdam, Will, and Moore. 2,901,563.
- Paschke, Albert E. 2,904,734.
- Polster, Norman E. 2,895,078.
- Weiss, Edward L. 2,868,063.
- Williams, Albert J., Jr. 2,919,409.
- Leeds, Winthrop M., to Westinghouse Electric Corp. Circuit interrupters. 2,913,556, 11-17-59, Cl. 200-145.
- Leek, Nathaniel L. Multiplex transmission system. 2,878,318, 3-17-59, Cl. 179-15.
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- Leek, Wayne E.: See—  
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- Leeman, Jan N. J., to Stamlicarbon N.V. Apparatus for separating mixtures into a fraction containing particles of low specific gravity and another fraction containing particles of high specific gravity. 2,917,172, 12-15-59, Cl. 209-172.5.
- Leeper, Robert W., and V. C. Fusco, to Olin Mathieson Chemical Corp. Promotion of flowering on pineapple plants. 2,876,090, 3-3-59, Cl. 71-27.
- Lees, James, and Sons Co.: See—  
Austin, Emmett K., Jr., and Reid. 2,876,616.
- Ballard, Clyde W. 2,874,725.
- Berry, Charles C. 2,870,795.
- Janney, Thomas T., and Klein. 2,876,525.
- Macdonald, Philip F. 2,884,960.
- Nowicki, Henry F. 2,884,680.
- Nowicki, Henry F. 2,912,945.
- Oberholzer, Robert E. 2,884,881.
- Smiley, Harry J. 2,874,724.
- Smith, John E. 2,879,730.
- Leete, Bernard D., to General Electric Co. Apparatus for measuring magnetic fields. 2,916,690, 12-8-59, Cl. 324-5.
- Leetronics, Inc.: See—  
Lutz, Frederick W. 2,900,116.
- Lefcourt, Leonard H. Foldable mat with disengageable indicia. 2,875,541, 3-3-59, Cl. 40-140.
- Lefebvre, Albert, to W. Jakober. Safety unit. 2,867,020, 1-6-59, Cl. 24-134.
- Le Febvre, Alfred L., to Stanley Home Products, Inc. Map having interior means for a handle or the like. 2,880,443, 4-7-59, Cl. 15-244.
- Lefebvre, Fredrick L. Ignition proof heater. 2,894,107, 7-7-59, Cl. 219-34.
- Lefebvre, Frank J.: See—  
Volckening, Lloyd I., O'Meara, and Lefebvre. 2,877,893.
- Lefebvre, Jean M. Method for the manufacture of cartridge cases for firearms. 2,890,615, 6-16-59, Cl. 86-10.
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- Lefevre, Beauman: See—  
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- Leferdink, Theodore B.: See—  
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- Leffer, Frederick A. W., to Universal Oil Products Co. Conversion of heavy hydrocarbonaceous material to lower boiling products. 2,917,451, 12-15-59, Cl. 208-81.
- Leferdink, Theodore B., and T. G. Traylor, to The Dow Chemical Co. Method for stabilizing polyvinylpyrrolidone and compositions thereby obtained. 2,882,253, 4-14-59, Cl. 260-29.6.
- Leffingwell Chemical Co.: See—  
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- Allison, John R. 2,899,389.
- Leffer, Nils G., to Snuds Verkstader Aktiebolag. Feeding mechanism in barking machines. 2,891,589, 6-23-59, Cl. 144-247.
- Leffler, Willard B.: See—  
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- Leffer, Clifford C.: See—  
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- Lefflet, Herbert A., Jr.: See—  
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- Leffon, Henry. Fasteners for conveyor belts and the like. 2,896,282, 7-28-59, Cl. 24-33.
- Le Foll, Jean: See—  
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- Lefranc, Felix R., to F. Aubry. Atomizers. 2,898,050, 8-4-59, Cl. 239-361.
- Le Francois, John E., to United States of America, Navy. Torpedo casing. 2,890,670, 6-16-59, Cl. 114-22.
- Lefrançois, Philip A.: See—  
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- Burton, William P., Lefrançois, and Riblett. 2,913,400.
- Burton, William P., Lefrançois, and Riblett. 2,914,464.
- Riblett, Earl W., Burton, Kaufman, and Lefrançois. 2,913,398.
- Leftwich, Robert F., to Sagre & Fisher Co. Sintering apparatus. 2,901,236, 8-25-59, Cl. 266-21.
- Legary, Adam H. Grain swath pick-up assembly for combines and the like. 2,873,568, 2-17-59, Cl. 56-345.
- Legat, Robert C. Adjustable fastening device. 2,875,492, 3-3-59, Cl. 24-206.
- Legat, Robert C., to The G. E. Prentice Mfg. Co. Buckle. 2,916,786, 12-15-59, Cl. 24-170.
- Legat, Lapo. Surface or submarine craft. 2,918,029, 12-22-59, Cl. 114-16.
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- Leger, John L., to Sterling Multi-Products, Inc. Testing device for self-winding mechanisms. 2,917,955, 12-22-59, Cl. 81-7.5.
- Leger, Patrick J. Combination scooter, walker and stroller. 2,907,372, 10-6-59, Cl. 155-22.

- Legge, Thomas B.: See—  
Eskin, Samuel G., Algiro, and Legge. 2,898,046.
- Eskin, Samuel G., and Legge. 2,878,608.
- Legg, Duncan, and T. R. Manley, to A. Reyrolle & Co. Ltd. Arc chutes. 2,911,505, 11-3-59, Cl. 200-144.
- Legge, Walter G., to Walter G. Legge Co., Inc. Brush with wiping cloth. 2,875,460, 3-3-59, Cl. 15-114.
- Legge, Walter G., Co., Inc.: See—  
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- Leggett, Robert D.: See—  
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- Leglise, Pierre. At-will end-of-line or complete justifying typewriter. 2,907,437, 10-6-59, Cl. 197-84.
- Legman, Nathan. Closure and support for container. 2,868,417, 1-13-59, Cl. 222-180.
- Legman, Nathan. Watch band and clasp. 2,876,521, 3-10-59, Cl. 24-265.
- Legnaldi, Louis F. Cigarette package. 2,868,363, 1-13-59, Cl. 206-41.
- Legnani, Umberto. Fountain pens. 2,902,978, 9-8-59, Cl. 120-45.4.
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- Legrand, Roger, to Holding Electrosonic S. A. Devices for the production of ultra sounds. 2,878,403, 3-17-59, Cl. 310-81.
- Legros, Jean-Pierre M.: See—  
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- Legros, Robert G. Transmission mechanisms between axes or shafts. 2,871,593, 2-24-59, Cl. 74-796.
- Legros, Robert G. Method and apparatus for the transmission and reception of radio signals on a large number of regularly spaced frequencies. 2,903,894, 9-15-59, Cl. 74-10.8.
- Lehane, Timothy J., W. M. Smith, and R. D. Ernst, to Vapor Heating Corp. Steam heating system with alternative thermostat control. 2,873,916, 2-17-59, Cl. 237-6.
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- Lehde, John W., Jr.: See—  
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- Lehman, Eugene J., to McGraw-Edison Co. Mold having insert anchoring means. 2,880,462, 4-7-59, Cl. 18-36.
- Lehman, Harry W.: See—  
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- Lehman, Harry W., to Collins Radio Co. Anticlash differential mechanism. 2,900,546, 8-25-59, Cl. 74-714.
- Lehman, Harry W., to Collins Radio Co. Tube socket. 2,914,254, 11-24-59, Cl. 339-143.
- Lehman, Harry W., and R. J. Meyer, to Collins Radio Co. Voice-operated radio tuning system. 2,886,758, 5-12-59, Cl. 318-467.
- Lehman, James N., and J. B. Theiss, to Radio Corp. of America. Commutatorless electric motor. 2,867,762, 1-6-59, Cl. 318-254.
- Lehman, John P., to J. F. Lehman, L. B. Lehman, J. F. Lehman, Jr., L. Bryant, M. Lehman, I. Barnes, M. Brindley, and L. McSwain, jointly. Lecker-in for a card machine. 2,908,047, 10-13-59, Cl. 19-105.
- Lehman, John P., Jr.: See—  
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- Lehman, Lester H., to Landis Tool Co. Magnetic holder. 2,884,747, 5-5-59, Cl. 51-215.
- Lehman, Lewis H., to Productive Equipment Co. Vibrating screen. 2,881,790, 5-5-59, Cl. 74-61.
- Lehman, Lucy B.: See—  
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- Lehman, Robert W., to Eastman Kodak Co. Compositions containing stabilized vitamin A materials. 2,895,878, 7-21-59, Cl. 167-81.
- Lehman, Roland J., to E. I. du Pont de Nemours and Co. Web coating process and shielding apparatus to prevent beaded edges. 2,901,376, 8-25-59, Cl. 117-44.
- Lehman, Samuel K., to C. H. Wheeler Mfg. Co. Rotor pump. 2,908,225, 10-13-59, Cl. 103-124.
- Lehman, Walter, to General Precision Laboratory Inc. Modulation system. 2,911,597, 11-3-59, Cl. 332-52.
- Lehmann, Alexander. Variable spacing mechanism for type-writing machines. 2,917,152, 12-15-59, Cl. 197-84.
- Lehmann, Ernest H., to Haloid Xerox Inc. Image development. 2,879,397, 3-24-59, Cl. 250-65.
- Lehmann, George A., and W. E. Gundelfinger, to The Dazey Corp. Lid actuating assembly. 2,872,063, 2-3-59, Cl. 220-34.
- Lehmann, Harry. Device and method for closing and sealing containers. 2,916,561, 12-15-59, Cl. 53-42.
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- Lehmans, Jean, and J. Casteran. Device for dispensing of small quantities of liquid substances. 2,892,573, 6-30-59, Cl. 222-205.
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- Carlzen, Carl F., and Lehner. 2,903,697.
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- Lehni, Rudolf, and F. Keller. Suspension device for display frames. 2,885,166, 5-5-59, Cl. 248-29.
- Lehovec, Kurt, to Sprague Electric Co. Semiconductor method. 2,871,149, 1-27-59, Cl. 148-1.5.
- Lehovec, Kurt, to Sprague Electric Co. Rectifying contact. 2,874,340, 2-17-59, Cl. 317-236.
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- Lehovec, Kurt, to Sprague Electric Co. Light dimming device. 2,892,094, 6-23-59, Cl. 250-211.
- Lehovec, Kurt, to Sprague Electric Co. Semiconductor junction. 2,893,901, 7-7-59, Cl. 148-1.5.
- Lehovec, Kurt, to United States of America, Army. Double modulator utilizing photo emissive material. 2,894,145, 7-7-59, Cl. 250-210.
- Lehovec, Kurt, to Sprague Electric Co. Radio active electrode construction. 2,896,137, 7-21-59, Cl. 317-235.
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- Lehr, Philip N., to Dictograph Products Co., Inc. Transducer assembly. 2,890,297, 6-9-59, Cl. 179-179.
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- Lehrman, David. Ironing board cover with pouch attachment. 2,884,722, 5-5-59, Cl. 38-140.
- Lehtola, Ray H. Portable debarking apparatus. 2,906,306, 9-29-59, Cl. 144-208.
- Leib, Otto L. Viscosity meter. 2,902,858, 9-8-59, Cl. 73-55.
- Leibing, William E., and G. H. Powell. Deceleration control system. 2,875,741, 3-3-59, Cl. 123-97.
- Leibinger, Alphonse P. Safety belts for automobiles, airplanes, and other fast moving vehicles. 2,880,789, 4-7-59, Cl. 155-189.
- Leibold, Eldon L. Apparatus for edge-gluing, cutting, and stacking carbon paper from roll carbon stock. 2,899,926, 8-18-59, Cl. 118-41.
- Leibold, Richard E.: See—  
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- Leibold, Richard E., to Holley Carburetor Co. Ignition distributors. 2,912,529, 11-10-59, Cl. 200-25.
- Leibsch, Robert D.: See—  
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- Leibson, Jacob S.: See—  
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- Leich Electric Co.: See—  
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- Evers, Harry G. 2,918,530.
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- Leichtung, Arthur. Lighting fixture. 2,892,929, 6-30-59, Cl. 240-78.
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- Leigh, Marjorie W., A. B. Welty, Jr., R. W. Sage, and R. M. Bailly, to Ezzo Research and Engineering Co. Hydroforming with recycling of part of the products. 2,911,358, 11-3-59, Cl. 208-139.
- Leigh, Ronald C., to British Telecommunications Research Ltd. Inductors for use in light current electrical circuit. 2,905,913, 9-22-59, Cl. 336-83.
- Leigh, Robert L., to Air Control Products, Inc. Air register of the wall type. 2,869,450, 1-20-59, Cl. 98-108.
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- Leighton, Charles R., and J. W. Buck. Bag tying machine. 2,916,863, 12-15-59, Cl. 53-135.
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- Leininger, Sylvan V. Oil separator and muffler. 2,894,599, 7-14-59, Cl. 183-34.
- Leins, Oscar J., to Baso Inc. Electromagnetic control system. 2,881,830, 4-14-59, Cl. 158-128.
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- Leipert, Edward. Marine drive lubricating system. 2,918,986, 12-29-59, Cl. 184-6.
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- Leiser, Alfred L., to A. O. Smith Corp. Apparatus for loading a conveyor. 2,916,132, 12-8-59, Cl. 198-21.
- Leisey, Frank A., to Standard Oil Co. Temperature controller. 2,876,327, 3-3-59, Cl. 219-20.
- Leishman, LeRoy J.: See—  
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- Leishman, LeRoy J. Means for mounting objects that are rotatable on two different axes. 2,882,004, 4-14-59, Cl. 248-284.
- Leishman, LeRoy J. Circuits for X-ray spot film devices. 2,883,546, 4-21-59, Cl. 250-66.
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- Leister, Fayette, to The Fafnir Bearing Co. Pillow block. 2,868,594, 1-13-59, Cl. 308-15.
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- Leltner, Richard G., and J. Rabinow, to Telautograph Corp. Recording apparatus. 2,914,610, 11-24-59, Cl. 178-19.
- Leltz, Ernst, Canada Ltd.: See—  
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- Leltz, Ernst, Canada Ltd., Optical Works: See—  
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- Lek Trol, Inc.: See—  
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- Leland-Gifford Co.: See—  
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- Leland Stanford Jr. University, The Board of Trustees of the: See—  
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- Lelols, Vernon A. Vehicle body changing method. 2,868,401, 1-13-59, Cl. 214-152.
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- Le May, Dan B., and J. K. La Fleur, to The Garrett Corp. Regenerative air conditioning system with bleed conservation control. 2,902,836, 9-8-59, Cl. 62-172.
- Le May, William E., to Ohio Sealer and Chemical Corp. Method of making a mask. 2,919,218, 12-29-59, Cl. 154-110.
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- Lemmerman, Richard D., to Koppers Co., Inc. Sound control shroud for aircraft engines. 2,918,954, 12-29-59, Cl. 181-42.
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- Lemmon, Alexis W., to The Jeffrey Mfg. Co. Chain link bearing means. 2,869,380, 1-20-59, Cl. 74-245.
- Lemmon, Edward M., to J. L. Palgrave. Interior plaster. 2,868,660, 1-13-59, Cl. 106-109.
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- Lemp, Robert J. Motive means and drive therefor. 2,885,579, 5-5-59, Cl. 310-120.
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- Leno, John A., to International Standard Electric Corp. Electric semiconductor devices. 2,913,643, 11-17-59, Cl. 317-235.
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- Lensing, Arthur G. Dust mop and brush cleaner. 2,880,438, 4-7-59, Cl. 15-142.
- Lensner, Herbert W., and G. D. Rockefeller, Jr., to Westinghouse Electric Corp. Frequency-shift carrier distance relay. 2,897,406, 7-28-59, Cl. 317-27.
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- Leonard, Carmen G.: See—  
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- Leonard, Dorris G., to The Dow Chemical Co. Dummy block. 2,894,624, 7-14-59, Cl. 207-9.
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- Cubitt, Kenneth H., and Leonard. 2,869,635.
- Leonard, John L. Time and condition program unit. 2,881,832, 4-14-59, Cl. 161-1.
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- Leonard, Talbert A., Jr. Propeller carrier. 2,903,274, 9-8-59, Cl. 280-179.
- Leonard, Thomas E. Pedal and switch structure for vehicles. 2,873,407, 2-10-59, Cl. 315-80.
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- Leone, Salvatore J., to The New Haven Board and Carton Co. Display stands. 2,918,178, 12-22-59, Cl. 211-178.
- Leopold, Wilbur R., Jr., to Mechanical Controls Inc. Balancing device. 2,895,766, 7-21-59, Cl. 301-5.
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- Leoux, Leo-Paul. Compression band for an embalmed corpse. 2,883,730, 4-28-59, Cl. 27-21.
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- Weltmann, Gustavo A. 2,917,544.
- Weltmann, Gustavo A., Giola, and Caporali. 2,872,375.
- Lepin, Maurice, to Societe Rhodiaceta. Process for incorporating titanium dioxide into cellulose ester solutions dissolved in aliphatic acids. 2,895,843, 7-21-59, Cl. 106-180.
- Lepingle, Marcel: See—
- Ellan, John, and Lepingle. 2,880,228.
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- Lepley, Allen E.: See—
- Zedlar, Milan, and Lepley. 2,877,454.
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- Le Poole, Jan B., to Nederlandse Centrale Organisatie voor Toegestast-Natuurwetenschappelijk Onderzoek. Mass spectrometer. 2,908,816, 10-13-59, Cl. 250-41.9.
- Lepore, Raymond R.: See—
- Hampshire, William J., and Lepore. 2,868,439.
- Leportier, Pierre. Table for dressing and drying leathers, skins and the like. 2,877,564, 3-17-59, Cl. 34-163.
- Lepoutre, Raymond, and A. Gautier, to Societe des Raffineries & Sucreries Soy. Centrifuges. 2,894,634, 7-14-59, Cl. 210-375.
- Leppala, Alexander. Control for arc welders. 2,872,566, 2-3-59, Cl. 219-132.
- Leppich, Joseph P. Fish hook assembly. 2,911,752, 11-10-59, Cl. 43-42.8.
- Le Prieur, Yves P. G.: See—
- Rebikoff, Dimitri I., and Le Prieur. 2,876,766.
- Leprince, Pierre, F. Coussemant, and J. Limido, to Institut Français du Pétrole des Carburants et Lubrifiants. Process for the manufacture of olefinic compounds by the dehydrochlorination of corresponding chlorinated derivatives. 2,899,473, 8-11-59, Cl. 260-666.
- Lepry, Dolores T.: See—
- Lepry, John M., and D. T. 2,890,088.
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- Leptin, Elmer E., to St. Regis Paper Co. Anti-skid compositions and container material coated therewith. 2,872,094, 2-3-59, Cl. 229-35.
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- Lerch, Brooke W., to Western Electric Co., Inc. Core covering apparatus. 2,880,642, 4-7-59, Cl. 87-44.
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- Lerick, Lester. Anchor bolt with nut actuated expansion wedges. 2,896,494, 7-28-59, Cl. 85-24.
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- Ruehle, William G., Jr. 2,889,464.
- Lerman, Leonard S. Portable illuminated danger signal. 2,880,405, 3-31-59, Cl. 340-81.
- Lerner, Herman B., to Circle Plastics Co. Closure unit. 2,886,209, 5-12-59, Cl. 221-290.
- Lerner, Aaron B. Laboratory equipment elevation adjusting apparatus. 2,902,349, 9-1-59, Cl. 23-259.
- Lerner, Albert. Vending machine. 2,872,069, 2-3-59, Cl. 221-85.
- Lerner, Albert. Dual garment hangers. 2,875,930, 3-3-59, Cl. 223-88.
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- Erdman, John G., and Lerner. 2,902,442.
- Lerner, George: See—
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- Lerner, Louis L., to The Gillette Co. Hair curler. 2,878,818, 3-24-59, Cl. 132-41.
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- Leroy, Etienne, to E. Langeais. Front end suspension system for vehicles. 2,892,634, 6-30-59, Cl. 280-96.2.
- Leroy, René, to Dixi S.A. Percussion fuse. 2,893,322, 7-7-59, Cl. 102-76.
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- McLain, William R., and Lescher. 2,903,817.
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- Lesk, Israel A., to General Electric Co. Semiconductor device and apparatus. 2,901,554, 8-25-59, Cl. 179-171.
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- Leslie, Donald J. Rotatable tremulant sound producer. 2,869,667, 1-20-59, Cl. 181-27.
- Leslie, Donald J. Acoustic apparatus. 2,869,669, 1-20-59, Cl. 181-27.
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- Leslie, Donald J. Electronic tremolo device. 2,899,644, 8-11-59, Cl. 331-49.
- Leslie, Howard C. Molded water closet seat and cover. 2,913,735, 11-24-59, Cl. 4-234.
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- Leslie, James D., and H. J. Wubbe, to General Motors Corp. Inertia latch. 2,873,794, 2-17-59, Cl. 155-155.
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- Leslie, James D., L. P. Garvey, and W. H. West, to General Motors Corp. Operating means for window regulator mechanism. 2,900,183, 8-18-59, Cl. 268-126.
- Leslie, James D., and G. Rehkugler, to General Motors Corp. Vehicle door and transmission interlock. 2,913,066, 11-17-59, Cl. 180-82.
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- Lesser, Murray L., to International Business Machines Corp. Magnetic head commutator. 2,907,009, 9-29-59, Cl. 340-174.
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- Lessig, Edward T., to The B. F. Goodrich Co. Tire construction. 2,902,073, 9-1-59, Cl. 152-362.
- Lessler, Lew W., to General Aniline & Film Corp. Flash bulb retention and ejection device. 2,910,554, 10-27-59, Cl. 200-51.08.
- Lessly, Oswald E. Self-cleaning auger pump. 2,907,277, 10-6-59, Cl. 103-93.
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- Levin, Nathan W.: See—
- Ushakoff, Alexis E. 2,868,614.
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- Levin, Robert H.: See—
- Fonken, Gunther S., Levin, and McIntosh. 2,877,241.
- Levine, Aaron J., and Sander. 2,873,561, 2-17-59, Cl. 51-170.
- Levine, Aaron J., to Shore-Line Industries, Inc. Bracket for attaching tools to a portable electric drill. 2,905,213, 9-22-59, Cl. 144-35.
- Levine, Aaron J. Saber saw. 2,906,304, 9-29-59, Cl. 143-68.
- Levine, Abraham L.: See—
- Murphy, Harold P., and Levine. 2,880,257.
- Levine, Alfred B.: See—
- Hobbs, George W., and Levine. 2,907,525.
- Levine, Arnold M., to International Telephone and Telegraph Corp. Means reducing noise effects in television receivers. 2,906,829, 9-29-59, Cl. 179-171.
- Levine, Arnold M., and H. S. Bailey, to International Telephone and Telegraph Corp. Automatic frequency control in pulse modulation systems. 2,889,521, 6-2-59, Cl. 332-9.
- Levine, Arthur A., to E. I. du Pont de Nemours and Co. Method of preparing symmetrical di (2,4,6-trichlorophenyl) N,N' dichlorourea. 2,878,288, 3-17-59, Cl. 260-553.
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- Levine, Mac. Coil spring assembly for furniture seats and the like. 2,910,114, 10-27-59, Cl. 155-179.
- Levine, Mark, to Grant Pulley & Hardware Corp. Door check for sliding doors. 2,869,171, 1-20-59, Cl. 16-83.
- Levine, Max: See—
- Temin, Samuel C., and Levine. 2,910,457.
- Levine, Morris, to Pittsburgh Plate Glass Co. Coating compositions. 2,876,135, 3-3-59, Cl. 117-74.
- Levine, Morton A., and S. W. Davis Jr. to United States of America Air Force. Circuit closing devices. 2,915,607, 12-1-59, Cl. 200-87.
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- Levine, Robert J. Liquid proportionating system. 2,879,782, 3-31-59, Cl. 137-98.
- Levine, Robert J., to Arlen, Inc. Capacitive proportioning system. 2,899,151, 8-11-59, Cl. 244-77.
- Levine, Samuel W., to Fairchild Camera and Instrument Corp. Luminous output transducer. 2,882,792, 4-21-59, Cl. 83-61.
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- Levinger, Paul: See—
- Augenstein, Karl C., and Levinger. 2,901,895.
- Levinson, John, to United States of America, Army. Temperature control for crystal pulling. 2,908,004, 10-6-59, Cl. 23-301.
- Levinson, Louis E. Vehicle with movable seat and figured portion. 2,880,010, 3-31-59, Cl. 280-1.192.
- Levinstein, Stanley, to Home Curtain Corp. Pleating and fastening device. 2,898,594, 8-11-59, Cl. 1-118.
- Levinthal Electronic Products, Inc.: See—
- Morris, Albert J., and Swanson. 2,871,380.
- Pound, Robert V. 2,873,370.

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- Levy, William W., Jr., and W. K. Langdon, to Wyandotte Chemicals Corp. Two-stage method for preparing carbon-substituted piperazines. 2,875,206, 2-24-59, Cl. 260-268.
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- Levit, Edward C.: See—
- Johnson, Robert E., Levit, and Workman. 2,881,780.
- Levit, Edward C., and C. R. Lopp, to Whirlpool Corp. Filtration apparatus. 2,891,631, 7-14-59, Cl. 210-152.
- Leviton, Abraham, to United States of America, Agriculture. Process for freeze-drying of milk. 2,885,788, 5-12-59, Cl. 34-5.
- Levitt, Arnold. Electric dish dryer. 2,884,708, 5-5-59, Cl. 34-48.
- Levitt, Arnold. Auxiliary tray fixture. 2,912,114, 11-10-59, Cl. 211-65.
- Levitt, Arnold. Auxiliary bathroom tray fixture. 2,912,116, 11-10-59, Cl. 211-86.
- Levitt, Arnold, and S. D. Turin. Girtage disposal unit. 2,912,175, 11-10-59, Cl. 241-46.
- Levitt, Marvin R. Multiple cell cartons. 2,909,311, 10-20-59, Cl. 229-28.
- Levitt, Milton R., to The Scholl Mfg. Co., Inc. Foot corrective pad with toe loop. 2,888,013, 5-26-59, Cl. 128-153.
- Levitt, Milton R., to The Scholl Mfg. Co., Inc. Foot corrective pads. 2,918,056, 12-22-59, Cl. 128-80.
- Levitt, Milton R., to The Scholl Mfg. Co., Inc. Corn pad and blank therefor. 2,918,057, 12-22-59, Cl. 128-81.
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- Levitt, Seimond, to Fruehauf Trailer Co. Plastic doors and door frames for trailers. 2,871,056, 1-27-59, Cl. 296-106.
- Levitz, Norman M.: See—
- Jonke, Albert A., Graae, and Levitz. 2,911,290.
- Levkoff, David, 1/4 to E. S. and 1/4 to H. S. Levkoff, and 1/4 to E. L. Sennet. Boxes or cartons. 2,880,922, 4-7-59, Cl. 229-31.
- Levkoff, David, 1/4 to E. S. and 1/4 to H. S. Levkoff, and 1/4 to E. L. Sennet. Cartons. 2,880,923, 4-7-59, Cl. 229-31.
- Levkoff, David. Carton. 2,887,245, 5-19-59, Cl. 220-113.
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- Levkoff, Evelyn S.: See—
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- Levkoff, Henry S.: See—
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- Levolor Laboratories, Inc.: See—
- Bond, Scott R. 2,877,527.
- Levoy, Monroe B., to Optical Salons Ltd. Eyeglass case. 2,903,125, 9-8-59, Cl. 206-5.
- Levy, Dudley D. Denture retainer. 2,888,746, 6-2-59, Cl. 32-2.
- Levy, Edward M., to Reflector-Hardware Corp. Merchandise support. 2,891,678, 6-23-59, Cl. 211-126.
- Levy, Edward M., to Reflector-Hardware Corp. Adjustable shelf rack and reversible bracket therefor. 2,900,085, 8-18-59, Cl. 211-90.
- Levy, Edward M., to Reflector-Hardware Corp. Shelf banding splicer. 2,900,086, 8-18-59, Cl. 211-90.
- Levy, Edward M., to Reflector-Hardware Corp. Merchandise display assembly. 2,919,034, 12-29-59, Cl. 211-148.
- Levy, Edward M., and D. R. Lopatka, to Reflector-Hardware Corp. Merchandising device. 2,910,187, 10-27-59, Cl. 211-147.
- Levy, Eli: See—
- Kline, Hayden R., and Levy. 2,887,843.
- Levy, Francis X.: See—
- Pellerin, Norvin L., and Levy. 2,874,714.
- Levy, Gus: See—
- Carogana, Anthony, Levy, and Zarel. 2,873,079.
- Levy, Harold, and M. L. Mednick, to G. D. Searle & Co. 4-hydroxyprogesterone and esters thereof. 2,919,286, 12-29-59, Cl. 260-397.4.
- Levy, Jack M. Hair bands. 2,868,214, 1-13-59, Cl. 132-46.
- Levy, Joseph, to The Trubek Laboratories. Method of producing carbamate esters. 2,871,259, 1-27-59, Cl. 260-482.
- Levy, Joseph, to The Trubek Laboratories. Production of bright zinc or bright cadmium deposits. 2,885,330, 5-5-59, Cl. 204-50.
- Levy, Joseph, and R. M. Lusskin, to The Trubek Laboratories. Dialkyl substituted 2,3-epoxyacid esters. 2,889,339, 6-2-59, Cl. 260-348.
- Levy, Joseph, and R. M. Lusskin, to The Trubek Laboratories. Unsaturated dialkyl substituted 2,3-epoxyacid esters. 2,889,340, 6-2-59, Cl. 260-348.
- Levy, Marilyn, to United States of America, Army. Sensitized photographic substances. 2,887,381, 5-19-59, Cl. 96-94.
- Levy, Maurice. Ornamentation of textile fabrics. 2,914,875, 12-1-59, Cl. 41-1.2.
- Levy, Maurice M.: See—
- Chubb, Alexander A., and Levy. Re. 24,679.
- Chubb, Alexander A., Mawson, and Levy. Re. 24,680.
- Levy, Sidney E., to A. Blumenfeld. Plural drive loud-speaker. 2,869,668, 1-20-59, Cl. 181-27.
- Levy, Sidney E., to University Loudspeakers, Inc. Stereophonic sound propagation system. 2,904,632, 9-15-59, Cl. 179-1.
- Levy, Sidney E., and R. C. Sharp, to University Loudspeakers, Inc. Universal bracket. 2,896,901, 7-28-59, Cl. 248-278.
- Levy, William B., and C. L. Roehm, to Delaware Tool Steel Corp. Pipe driving tool attachments. 2,902,832, 9-6-59, Cl. 61-77.
- Lew, Henry Y., to California Research Corp. Synthetic detergent formulations containing N-acyl taurates. 2,874,125, 2-17-59, Cl. 252-152.
- Lew, Henry Y., and R. D. Stayner, to California Research Corp. Sulfonate detergent compositions of improved foam characteristics. 2,874,127, 2-17-59, Cl. 252-152.
- Lewandoski, Edward P. Hydraulic vehicle suspension system. 2,918,306, 12-22-59, Cl. 280-124.
- Lewco, Inc.: See—
- Dobbs, David L., Gill, and Howes. 2,883,288.
- Lewenstein, Moses J. Dihydrohydroxycodone derivative. 2,907,768, 10-6-59, Cl. 260-285.
- Lewtor Development Corp.: See—
- Mestre, Luis. 2,890,884.
- Mestre, Luis. 2,899,202.
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- Lewi, William. Continuous automatic clamping device. 2,896,943, 7-28-59, Cl. 271-2.1.
- Lewin, Leonard, and A. E. Pethlek, to International Standard Electric Corp. Hybrid-T waveguide structure. 2,882,500, 4-14-59, Cl. 333-11.
- Lewin, Leon, to Societe des Forges et Ateliers du Creusot. Device for the control of the opening of a gate. 2,904,903, 9-22-59, Cl. 61-25.
- Lewin, Seymour Z., E. Schapiro, and R. T. Price, to Organon Inc. Electrolytic process for preparing zinc-containing adrenocorticotrophin compositions and compositions made thereby. 2,880,139, 3-31-59, Cl. 167-74.
- Lewinson, Sam: See—
- Nix, Joe H. 2,875,714.
- Lewis, Alfred A., and S. H. Smith: said Lewis assor. to said Smith. Outboard motor support. 2,905,132, 9-22-59, Cl. 115-41.
- Lewis, Allen H., to California Research Corp. Non-caking solid particulate detergents. 2,875,154, 2-24-59, Cl. 252-138.
- Lewis, Allen H., to California Research Corp. Manufacture of alkyl benzene sulfonate detergents. 2,897,156, 7-28-59, Cl. 252-161.
- Lewis, Charles E.: See—
- Tsang, Sien M., Lewis, and Paul. 2,893,816.
- Lewis, Charles T. Portable collapsible tank. 2,915,097, 12-1-59, Cl. 150-5.
- Lewis, Clarence W. Animated toy. 2,909,868, 10-27-59, Cl. 46-241.
- Lewis, Clifford J.: See—
- Lovell, Clarence E., and Lewis. 2,916,353.
- Lewis, Dan, Jr., and H. S. Needham, to Crown Zellerbach Corp. Packaging rubber. 2,885,074, 5-5-59, Cl. 206-84.
- Lewis, Daniel W.: See—
- Galner, Gordon C., and Lewis. 2,891,981.
- Rogers, Dow A., Jr., and Lewis. 2,883,395.
- Lewis, Daniel W., to Westinghouse Electric Corp. Low viscosity polysiloxanes and compositions prepared therewith. 2,899,403, 8-11-59, Cl. 260-42.
- Lewis, Darcy, to John A. Roebling's Sons Corp. Machine for paying off and taking up wire on large reels. 2,868,467, 1-13-59, Cl. 242-25.
- Lewis, Donald A.: See—
- Robinson, James M., Lewis, and Greshel. 2,912,513.
- Lewis, Donald B., to General Motors Corp. Disposable and cleanable filter. 2,918,138, 12-22-59, Cl. 183-69.
- Lewis, Donald R., to Shell Development Co. Method of characterizing solid materials and method of geophysical exploration. 2,899,558, 8-11-59, Cl. 250-65.
- Lewis, Douglas R., and J. A. Jaffe. Method of making an internally lined pipe. 2,907,103, 10-6-59, Cl. 29-421.
- Lewis, Douglas T., to General Motors Corp. Transmission lock. 2,890,581, 6-16-59, Cl. 70-248.
- Lewis, Edmund P.: See—
- Reilly, Park M., Lewis, and Kearns. 2,884,473.
- Lewis, Edmund P., E. W. Skelton, and P. W. F. Cochrane, to Polymer Corp. Ltd. Reactor. 2,916,361, 12-8-59, Cl. 23-288.
- Lewis, Edward E.: See—
- La Hue, Philip M., and Lewis. 2,887,636.
- Lewis, Edward H., W. D. Rice, and E. Estrin, to Western Insulated Wire Co. Means and method for forming indicia on the surface of continuous vulcanized products. 2,867,001, 1-6-59, Cl. 18-6.
- Lewis, Edward L.: See—
- Bentley, George P., McNabb, and Lewis. 2,918,542.
- Lewis, Edwin S., and E. A. Thowless, to United States of America, Navy. Waveguide to coaxial transmission line transition. 2,891,225, 6-16-59, Cl. 333-98.
- Lewis, Edwin S., and C. F. Crawford, to United States of America, Navy. Antenna feed system. 2,918,673, 12-22-59, Cl. 343-786.



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Bozich, Samuel, Lewis, and Smith. 2,913,503.

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Lewis, Frank W.: See—  
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Lewis, G. B., Co.: See—  
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Blackman, Arthur W., Jr., and Lewis. 2,911,791.  
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Lewis, George E., to Hydral Co. Electrical control and indicating system. 2,872,940, 2-10-59, Cl. 137-55.4.

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Bann, Michael S., and Lewis. 2,897,439.

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Frerer, Paul G., and Lewis. 2,906,329.

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Sheridan, James V., and Lewis. 2,893,479.

Lewis, Orval M. Circumferentially traveling shoe type portable tire mounting device. 2,900,017, 8-18-59, Cl. 157-122.

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Lewis, Orval M. Tool for removing loosened tires from rims. 2,906,321, 9-29-59, Cl. 157-1.1.

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Lewis, Robert O., Jr. Variable resistance circuit controller. 2,873,335, 2-10-59, Cl. 201-51.

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Lewis, Sidney L. Screw driver fuse tester. 2,901,694, 8-25-59, Cl. 324-53.

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Varrin, Albert, and Anderson. 2,877,037.

Lewis, Ted W.: See—  
Newell, W. J., and Lewis. 2,901,368.

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Lewis, Willis I.: See—  
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Lewis, Alexander J. Electrical wiring apparatus. 2,887,525, 5-19-59, Cl. 174-52.

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Leyen, George W. Auto-pneumatic table grill. 2,912,972, 11-17-59, Cl. 126-25.

Leyenberger, John, to Minneapolis-Honeywell Regulator Co. Cross wire pivot for shaft. 2,912,287, 11-10-59, Cl. 308-2.

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- Lillbridge, Eldon T.: See—  
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- Lillie, Gordon E., to Bryant Chucking Grinder Co. Gage system. 2,895,264, 7-21-59, Cl. 51-165.
- Lillienberg, August W.: See—  
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- Lillquist, Torsten O., to General Motors Corp. Wheel lock and wheel slide detection system. 2,898,552, 8-4-59, Cl. 340-268.
- Lillquist, Torsten O., to General Motors Corp. Power train control. 2,907,892, 10-6-59, Cl. 290-17.
- Lilly, Edward E.: See—  
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- Lilly, Eli, and Co.: See—  
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- Lilly, James J. Dishwasher. 2,896,642, 7-28-59, Cl. 134-93.
- Lilly, Joseph C., to The Plastic Wire & Cable Corp. Twisted conductors and cables and method and apparatus for making the same. 2,869,316, 1-20-59, Cl. 57-93.
- Lily of France, Inc.: See—  
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- Lilly-Tulp Cup Corp.: See—  
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- Lima, Harold. Packing of plates and the like by means of a slip of pasteboard or other material. 2,874,521, 2-24-59, Cl. 53-3.
- Limark Corp.: See—  
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- Limh, Frank. Compound movement centrifugal ball-mill. 2,874,911, 2-24-59, Cl. 241-175.
- Limberger, John: See—  
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- Limberger, Walter, to Messrs. Lumoprint Zindler K. G. Means for moistening the films of photographic film-supports. 2,878,741, 3-24-59, Cl. 95-94.
- Limbers, Don R., to Pittsburgh Plate Glass Co. Polisher block swivel joint. 2,883,805, 4-23-59, Cl. 51-168.
- Limburg, Pieter C., to American Enka Corp. Manufacture of viscose thread. 2,914,375, 11-24-59, Cl. 18-54.
- Limelite Corp.: See—  
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- Limle, Herbert A. Faucet and drinking fountain. 2,878,059, 3-17-59, Cl. 299-10.
- Limper, Arthur E.: See—  
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- Limpert, Alexander S., and R. J. Liquid proportioning pump. 2,869,467, 1-20-59, Cl. 103-37.
- Limpert, Robin J.: See—  
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- Lin, Hung C., to Radio Corp. of America. Amplitude modulated oscillator systems. 2,886,653, 5-12-59, Cl. 179-100.11.
- Lin, Hung C., to Radio Corp. of America. Semiconductor amplifier circuits. 2,896,029, 7-21-59, Cl. 179-171.
- Lin, Wei C.: See—  
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- Lincoln, Clovis W., to General Motors Corp. Fluid system with priority valve. 2,880,586, 4-7-59, Cl. 60-97.
- Lincoln, Clovis W., P. B. Zeigler, and H. S. Smith, to General Motors Corp. In-line hydraulic power steering gear. 2,897,684, 8-4-59, Cl. 74-388.
- Lincoln, Edward H.: See—  
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- Lincoln Electric Co. Ltd.: See—  
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- Lincoln, Fay S. Pin fastener. 2,900,692, 8-25-59, Cl. 24-161.
- Lincoln, Fay S. Pin ticket. 2,900,693, 8-25-59, Cl. 24-161.
- Lincoln, Frank H., Jr.: See—  
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- Lincoln, Frank H., Jr., W. P. Schneider, and G. B. Spero, to The Upjohn Co. 6-methylated and 11-oxygenated-17a-hydroxy-21-fluoro-4-pregnene-3,20 diones. 2,867,631, 1-6-59, Cl. 260-397.45.
- Lincoln, Frank H., Jr., W. P. Schneider, and G. B. Spero, to The Upjohn Co. 6-methyl steroid compounds. 2,867,632, 1-6-59, Cl. 260-397.45.
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- Lincoln, Frank H., Jr., W. P. Schneider, and G. B. Spero, to The Upjohn Co. 6-methyl, 9a,21-difluoro, 11 oxygenated, 17a-hydroxy-4-pregnene-3,20 dione steroid compounds. 2,867,635, 1-6-59, Cl. 260-397.45.
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- Lincoln, Frank H., Jr., W. P. Schneider, and G. B. Spero, to The Upjohn Co. 6-methyl-9a fluoro-11 oxygenated pregnenes. 2,867,638, 1-6-59, Cl. 260-397.45.
- Lincoln, Henry A., and W. A. Klein, to The Dow Chemical Co. Dispensing container for sheet material. 2,888,181, 5-26-59, Cl. 225-51.
- Lincoln, L. H. & Son, Inc.: See—  
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- Lincoln, Murray. Spike-grip for interchangeable fur collars. 2,882,530, 4-21-59, Cl. 2-98.
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- Lind, Wallace G.: See—  
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- Lind, Warren K., to International Business Machines Corp. Storage shifting apparatus. 2,885,657, 5-5-59, Cl. 340-173.
- Lindahl, Ernest. Medicament applicator for the tongue. 2,872,925, 2-10-59, Cl. 128-260.
- Lindahl, Harold A., to The Pure Oil Co. Fixed bed regenerative refractory pyrolytic gas conversion process. 2,886,615, 5-12-59, Cl. 260-683.
- Lindars, John H., to Marconi's Wireless Telegraph Co. Ltd. Signal delay circuit arrangements. 2,892,938, 6-30-59, Cl. 250-27.
- Lindauer, Robert L., Jr., to Jersey Production Research Co. Recovery of hydrocarbons from subterranean reservoirs. 2,885,003, 5-5-59, Cl. 166-9.
- Lindberg, Caryl A., to The Emerson Electric Mfg. Co. Light indicator switch. 2,918,555, 12-22-59, Cl. 200-167.
- Lindberg, David P. Criminal apprehension aid. 2,876,935, 3-10-59, Cl. 222-145.



- Lindberg Engineering Co.: See—  
Aites, William K. 2,888,332.  
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Freutel, Kenneth A. 2,905,798.  
Harris, George V. 2,888,506.  
Holz, George W. 2,882,507.  
Lang, Karl A., and Stevenson. 2,892,005.  
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Linde, Hilding. Refuse collecting vehicle. 2,877,909, 3-17-59, Cl. 214-302.  
Linde, Hilding. Refuse collecting vehicle. 2,904,199, 9-15-59, Cl. 214-302.  
Linde, Leonard J. Collapsible table employing legs for supporting the table in extended and collapsed positions. 2,913,294, 11-17-59, Cl. 311-89.  
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Lindemann, Arthur W., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,873,757, 2-17-59, Cl. 137-101.25.  
Lindemann, Hans, to Th. Calow & Co. Centering device for clamping workpieces. 2,893,275, 7-7-59, Cl. 77-63.  
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Linhorst, Erwin F., to United States Rubber Co. Automatic rubber molding machine. 2,873,475, 2-17-59, Cl. 18-4.  
Linhorst, Erwin F., to United States Rubber Co. Method and apparatus for molding articles. 2,900,663, 8-25-59, Cl. 18-5.  
Linziger, Rudolph H. Safety pin corrosive inhibitor. 2,873,901, 2-17-59, Cl. 223-109.  
Link Aviation, Inc.: See—  
Dietrich, Arnold K. 2,919,322.  
Hanford, Richard W. 2,906,530.  
Hayes, Monson H. 2,912,671.  
Hunt, John M. 2,912,524.  
Hemstreet, Harold S. 2,885,792.  
Hemstreet, Harold S., and Eckhardt. 2,868,450.  
Hunt, John M. Re. 2,4634.  
Hunt, John M. 2,886,244.  
Knapp, Walter R. 2,912,161.  
Oram, John A., and Sherry. 2,912,177.  
Schwamm, Edward G., and Duren. 2,904,253.  
Smith, Robert L., and Hemstreet. 2,890,528.  
Stephens, Richard G., and Hayes. 2,881,418.  
Toth, William E., and Hunt. 2,889,988.  
Wood, William W. 2,880,514.  
Link-Belt Co.: See—  
Erickson, Willard E. 2,867,337.  
Erisman, Maurice J. 2,883,035.  
Francis, Norman L., and Berg. 2,884,229.  
Francis, Norman L., and Erisman. 2,899,176.  
Haaf, George W. 2,888,356.  
Heacock, Ward J. 2,899,062.  
Henry, Robert R. 2,873,032.  
Newell, Elwin C. 2,901,113.  
Schroth, John J. 2,899,059.  
Schroth, John J. 2,899,060.  
Schroth, John J. 2,899,061.  
Schwettman, Roy E. 2,899,807.  
Teichman, Rudolph R. 2,870,547.  
Link, Charles T., Jr., to Elgin Sweeper Co. Street sweeper side broom drive and support. 2,895,151, 7-21-59, Cl. 15-87.  
Link, Charles T., Jr., and J. S. Gooden, to Elgin Sweeper Co. Street sweeper main broom drive and support. 2,895,150, 7-21-59, Cl. 15-83.  
Link, Edwin A., to R. T. E Corp. Circuit breaker. 2,918,557, 12-22-59, Cl. 200-229.  
Link, Hilarus. Moistening device. 2,876,735, 3-10-59, Cl. 118-266.  
Link, Josef: See—  
Roe, Roderich, Muller, Link, Weber, O., and V. 2,878,138.  
Link, Joseph L. Depth gauging attachment for hand saws. 2,888,967, 6-2-59, Cl. 145-35.  
Link, Karl P.: See—  
Schroeder, Collin H., and Link. 2,872,457.  
Link, Manfred, to Triumph Werke Nurnberg A.G. Motor control for electrical typewriters. 2,903,118, 9-8-59, Cl. 197-17.  
Link, Peter J.: See—  
Beaulieu, Delton C., and Link. 2,886,190.  
Linke, Johannes, to Machine Tool Works Oerlikon, Administration Co. Container for a cartridge belt. 2,870,681, 1-27-59, Cl. 89-34.  
Linke, Johannes, to Machine Tool Works Oerlikon, Administration Co. Magazine rocket projectors. 2,908,200, 10-13-59, Cl. 89-1.7.  
Linke, Johannes, and H. Michel, to Machine Tool Works Oerlikon Administration Co. Magazine rocket projectors. 2,915,945, 12-8-59, Cl. 89-1.7.  
Linke, Paul: See—  
Velde, Hermann, and Linke. 2,913,372.  
Linker, Joe B., Jr.: See—  
Thor, Robert C., and Linker. 2,906,919.  
Linkogel, Albert A. Sprig planter. 2,887,075, 5-19-59, Cl. 111-3.  
Linn, Carl R.: See—  
Vesely, Jerome A., and Linn. 2,891,966.  
Linn, Carl R., to Universal Oil Products Co. Hydrocarbon gels. 2,881,060, 4-7-59, Cl. 44-7.  
Linn, Carl R., to Universal Oil Products Co. Preparation of para-substituted cyclic compounds. 2,885,451, 5-5-59, Cl. 260-668.



- Linn, Carl B., to Universal Oil Products Co. Catalyst compositions. 2,886,535, 5-12-59, Cl. 252-433.
- Linn, Carl B., to Universal Oil Products Co. Process for preparing high molecular weight esters. 2,890,229, 6-9-59, Cl. 260-410.6.
- Linn, Carl B., to Universal Oil Products Co. Catalytic condensation of certain carbohydrates with aromatic hydrocarbons and haloaromatic compounds. 2,905,723, 9-22-59, Cl. 260-618.
- Linn, Carl B., to Universal Oil Products Co. Alkyl-trihydroxy-tetrahydronaphthyl-ethylene glycols. 2,908,720, 10-13-59, Cl. 260-618.
- Linn, Carl B., to Universal Oil Products Company. Process for the preparation of high molecular weight condensation product. 2,909,539, 10-20-59, Cl. 260-410.5.
- Linn, Frank F. Dolly and demountable part therefor. 2,897,474, 1-6-59, Cl. 298-3.
- Linn, Frank F. Ball and socket coupling with resilient liner. 2,874,976, 2-24-59, Cl. 280-512.
- Linn, Jerome S.: See—
- Gindes, Philip, and Linn. 2,870,422.
- Linn, Jerome S., to Genesco, Inc. Three phase power supply system. 2,898,412, 8-4-59, Cl. 179-171.
- Linn, Jerome S., to Genesco, Inc. Speed control system. 2,910,638, 10-27-59, Cl. 318-318.
- Linn, William E., to California Research Corp. Sidewall sampler bullet. 2,901,220, 8-25-59, Cl. 255-1.4.
- Linn, William J. Liquid fuel atomizers. 2,889,214, 6-2-59, Cl. 43-180.
- Linn, William J., to E. I. du Pont de Nemours and Co. Ethylene polymerization process. 2,891,040, 6-16-59, Cl. 260-94.9.
- Linnarson, Bengt G.: See—
- Cornellusson, Karl G. E., Damm, Lindqvist, Linnarson, and Svensson. 2,892,470.
- Linnbach, Adolf, to International Standard Electric Corp. Ring filter circuit. 2,919,417, 12-29-59, Cl. 333-11.
- Linnell, Robert H., to Titanium Zirconium Co., Inc. Zirconium compositions and process of making. 2,871,138, 1-27-59, Cl. 104-299.
- Linnell, Robert H., to Titanium Zirconium Co., Inc. Zirconium oxide containing product and method of producing same. 2,889,232, 6-2-59, Cl. 106-299.
- Linneman, Fred H. Road repair equipment roller attachment for graders. 2,891,335, 6-23-59, Cl. 37-146.
- Linnert, George E., and R. M. Larimore, Jr., to Armaco Steel Corp. Stainless steel for weld. 2,894,833, 7-14-59, Cl. 75-128.
- Linnerz, Willi: See—
- Billen, Peter, and Linnerz. 2,882,688.
- Lino-type and Machinery Ltd.: See—
- Edwards, Albert, and Peck. 2,909,369.
- Edwards, Albert, and Peck. 2,912,928.
- Linqvist, Alan P., to Knox Mfg. Co. Core attachment for picture screens. 2,870,976, 1-27-59, Cl. 242-74.
- Linqvist, Alan P., and R. E. Petrick, to Knox Mfg. Co. Picture screen. 2,870,832, 1-27-59, Cl. 160-351.
- Linqvist, La Verne L. Grain storage apparatus. 2,913,280, 11-17-59, Cl. 302-28.
- Lindsay, Elton A., and R. R. Phillips, to General Electric Co. Reflector mercury lamp. 2,901,648, 8-25-59, Cl. 313-25.
- Lindsay, Elton A., and Q. D. Dobras, to General Electric Co. Reflecting electric lamp. 2,901,655, 8-25-59, Cl. 313-113.
- Linsert, Friedrich, and A. Prietzsch, to Farbenfabriken Bayer Akt. Device for measuring the titre of a running thread. 2,889,463, 6-2-59, Cl. 250-83.3.
- Linsker, Eugene, to Buckeye Tools Corp. Automatic tool. 2,893,272, 7-7-59, Cl. 77-32.5.
- Linsley, Clarence R., and D. L. Pickens, to Librascope, Inc. Graph plotter. 2,874,019, 2-17-59, Cl. 346-29.
- Linsley, John W., Jr.: See—
- Butler, Chester J., Ermish, Linsley, and Thomas. 2,917,834.
- Linsman, Marcel, to International Standard Electric Corp. Check symbol apparatus. 2,886,240, 5-12-59, Cl. 235-153.
- Lint, Robert M., to Herter's, Inc. Whip finishers. 2,899,226, 8-11-59, Cl. 289-17.
- Lintala, Donald E., to Wingfoot Corp. Manufacture of polyvinyl chloride resin. 2,890,211, 6-9-59, Cl. 260-92.8.
- Linteris, Lino L., to Lever Brothers Co. Fluid shortening. 2,909,432, 10-20-59, Cl. 99-118.
- Linthicum, Frank R. Container supply and dispensing cabinet. 2,880,904, 4-7-59, Cl. 221-125.
- Lintner, Josef: See—
- Jonke, Richard, and Lintner. 2,903,388.
- Linton, Peter: See—
- Ashe, Thomas S., and Linton. 2,906,839.
- Linton, Thomas H., to The American Hardware Corp. Latch construction. 2,878,049, 3-17-59, Cl. 292-1.
- Lintz, Mark, and A. J. Anderson, to Halliburton Oil Well Cementing Co. Density determining device. 2,898,466, 8-4-59, Cl. 250-43.5.
- Linvill, John G., to Bell Telephone Laboratories, Inc. Computing circuits. 2,894,217, 7-7-59, Cl. 333-19.
- Linvill, John G., and R. L. Wallace, Jr., to Bell Telephone Laboratories, Inc. Non-saturating transistor trigger circuits. 2,880,330, 3-31-59, Cl. 307-88.5.
- Linvill, William K.: See—
- Guillemin, Ernst A., and Linvill. 2,907,222.
- Linville, Creath Q. Cartons. 2,887,389, 5-19-59, Cl. 99-171.
- Linville, Creath Q. Cartons. 2,889,978, 6-9-59, Cl. 229-34.
- Lion Fastener Co., Inc.: See—
- D'Amelio, Louis A. 2,886,872.
- Lionberger, Jack. Fence post anchor. 2,910,149, 10-27-59, Cl. 189-29.
- Lione, Leonard V., to Butterworth System, Inc. Tank washing apparatus. 2,917,243, 12-15-59, Cl. 239-227.
- Lionel Corp., The: See—
- Bonanno, Joseph L. 2,889,744.
- Bonanno, Joseph L. 2,896,202.
- Bonanno, Joseph L. 2,897,770.
- Bonanno, Joseph L. 2,901,863.
- Bonanno, Joseph L. 2,906,213.
- Bonanno, Joseph L. 2,910,011.
- Bonanno, Joseph L., and Pettit. 2,882,644.
- Gialino, Charles V. 2,885,686.
- Milligan, Gaymond E. 2,914,885.
- Pettit, Frank. 2,871,308.
- Reveka, Stanley. 2,883,796.
- Zion, Moses. 2,893,016.
- Lipari, Michael, to Lee Barry Laboratories, Inc. Hypodermic and body fluids sampling syringes. 2,871,857, 2-3-59, Cl. 128-218.
- Lipe-Rollway Corp.: See—
- Lakins, Frank W., and Lanphere. 2,906,003.
- Lanphere, Gerald H., and Sperling. 2,892,243.
- Spase, Charles B. 2,872,005.
- Spase, Charles B. 2,879,873.
- Spase, Charles B. 2,913,085.
- Lipes, Alvin W., and H. H. Williams, Jr. Simulated tie knot and locking means therefor. 2,898,600, 8-11-59, Cl. 2-150.
- Lipfert, Donald E.: See—
- Bickford, John H., and Lipfert. 2,894,242.
- Lipfert, Donald E., to The E. Ingraham Co. Snap-action movement. 2,878,682, 3-24-59, Cl. 74-100.
- Lipfert, Donald E., to Raymond Engineering Laboratory, Inc. Cloth feeding mechanism for sewing machines. 2,895,439, 7-21-59, Cl. 112-204.
- Lipinski, Jędrzej, and T. C. Cheston, to Canadian Westinghouse Co., Ltd. Reflected wave detection system. 2,875,434, 2-24-59, Cl. 343-14.
- Lipinski, Johann, to Alex. Friedmann, Kommandit-Gesellschaft. Lubricant pump. 2,886,133, 5-12-59, Cl. 184-32.
- Lipinski, Richard J., to Lord Mfg. Co. Surface bonded titanium product, composite structure thereof and method of bonding a titanium surface. 2,881,106, 4-7-59, Cl. 148-6.24.
- Lipka, Stephen. Mechanically rotatable food server. 2,880,882, 4-7-59, Cl. 211-77.
- Lipke, Paul H., Jr., and M. J. Gifford, to The Dow Chemical Co. Composition comprising styrene polymer, wax and molybdenum disulfide and phonograph record molded therefrom. 2,899,400, 8-11-59, Cl. 260-25.5.
- Lipkin, David: See—
- Weisman, Morris L., Lipkin, and Weissman. 2,895,849.
- Weisman, Sam L., Perlman, and Lipkin. 2,908,563.
- Lipkin, Daniel M., to Sperry Rand Corp. Radio frequency or carrier type transverse magnetic amplifier using square-wave power. 2,888,637, 5-26-59, Cl. 323-89.
- Lipkin, Daniel M., to Sperry Rand Corp. Transverse magnetic travelling wave amplifiers. 2,897,294, 7-28-59, Cl. 179-171.
- Lipkin, Sol. Cap. 2,885,683, 5-12-59, Cl. 2-172.
- Lipman, Elmer. Adaptable atomizer head. 2,886,199, 3-12-59, Cl. 215-41.
- Lipnicki, Leon. Vise block. 2,890,010, 6-16-59, Cl. 81-6.
- Lipp, Carl C., deceased (A. L. and S. H. Kamerow, executors), and Carl C. Lipp, Jr. Apparatus for relieving waste stoppage in pipes by percussion. 2,877,781, 3-17-59, Cl. 134-166.
- Lipp, Carl C., Jr.: See—
- Lipp, Carl C. and Carl C. Lipp, Jr. 2,877,781.
- Lippard, Herman I. Needle. 2,878,979, 3-24-59, Cl. 223-102.
- Lippe, Alexander H. Automatic pressure lubricator. 2,905,271, 9-22-59, Cl. 184-15.
- Lippel, Bernard, to United States of America, Army. System for dividing a surface of revolution. 2,877,458, 3-10-59, Cl. 340-345.
- Lippert, Edward J. Bowling pin. 2,878,021, 3-17-59, Cl. 273-82.
- Lippert, Stanley: See—
- Johnson, Dean T., Albertine, Lippert, and Sheetz. 2,893,068.
- Lippincott, Samuel B.: See—
- Morway, Arnold J., Seelbach, and Lippincott. 2,917,458.
- Lippisch, Alexander M., to Collins Radio Co. Fluid sustained aircraft. 2,879,957, 3-21-59, Cl. 244-23.
- Lippisch, Alexander M., to Collins Radio Co. Fluid pump. 2,905,091, 9-22-59, Cl. 103-85.
- Lippisch, Alexander M., to Collins Radio Co. Ducted aircraft with fore elevators. 2,918,220, 12-22-59, Cl. 244-15.
- Lippisch, Alexander M., to Collins Radio Co. Fluid sustained and fluid propelled aircraft. 2,918,230, 12-22-59, Cl. 244-23.
- Lippisch, Alexander M., to Collins Radio Co. Fluid sustained and fluid propelled aircraft. 2,918,231, 12-22-59, Cl. 244-23.
- Lippisch, Alexander M., to Collins Radio Co. Twin shroud aerodyne. 2,918,232, 12-22-59, Cl. 244-23.
- Lippisch, Alexander M., to Collins Radio Corp. Aerodyne with external flow. 2,918,233, 12-22-59, Cl. 244-23.
- Lippitt, Warren R. Removable trailer hitch. 2,916,302, 12-8-59, Cl. 280-491.
- Lippke, Paul. Device for dielectrically measuring the thickness of moving webs of material. 2,870,403, 1-20-59, Cl. 324-61.
- Lippman, David: See—
- Lippman, Samuel. 2,876,936.
- Lippman, Samuel, to D. Lippman, d. b. a. Banite Co. Soap dispensing device. 2,876,936, 3-10-59, Cl. 222-326.
- Lippmann, Seymour, and M. Berger, to United States Rubber Co. High-speed tire. 2,869,610, 1-20-59, Cl. 152-330.
- Lippmann, Seymour, and A. W. Grant, to United States Rubber Co. Pneumatic tire having noiseless tread. 2,887,852, 3-24-59, Cl. 152-209.
- Lips, Theodor M. A., and W. L. Vervest, to North American Phillips Co., Inc. Overload clutch. 2,916,121, 12-8-59, Cl. 142-56.
- Lipschutz, Alan M. Door closer. 2,885,721, 5-12-59, Cl. 16-59.
- Lipschutz, Frank K., to Louisville Cap Corp. Foldable cap. 2,896,218, 7-28-59, Cl. 2-195.
- Lipschutz, Frank K., and S. Rosenberg, to Louisville Cap Corp. Reinforced cap and prop members therefor. 2,877,466, 3-17-59, Cl. 2-195.
- Lipschutz, Paul: See—
- Nedman, Abram, and Lipschutz. 2,868,007.
- Lipscomb, George W., to Westinghouse Electric Corp. Electrical measuring device. 2,905,900, 9-22-59, Cl. 324-127.
- Lipscomb, Matilda C. Apron for carrying articles. 2,897,305, 8-4-59, Cl. 2-48.
- Lipscomb, Robert D.: See—
- Iler, Ralph K., and Lipscomb. 2,876,133.
- Lipscomb, Willis L. Indirect lighting fixture. 2,874,271, 2-17-59, Cl. 240-51.11.
- Lipscomb, Willis L. Lighting fixture. 2,902,591, 9-1-59, Cl. 240-51.11.
- Lipscomb, Willis L. Elongated lighting fixture. 2,913,574, 11-17-59, Cl. 240-51.11.
- Lipscomb, Willis L. Controlled brightness luminous panel luminaire. 2,913,575, 11-17-59, Cl. 240-51.11.
- Lipski, Anthony P.: See—
- Campbell, Hollis O., and Lipski. 2,908,890.
- Lipski, Edward G., to Philco Corp. Vibration isolating and controlling means. 2,876,906, 3-10-59, Cl. 210-364.
- Lipski, Frank J.: See—
- Canfield, William G. 2,879,601.
- Lipson, Samuel, H. Rosenthal, and A. Sata, to United States of America, Army. Apparatus for measuring the density of a solid. 2,889,703, 6-9-59, Cl. 73-32.
- Lipton, Milton A. Electrical cable. 2,871,151, 1-27-59, Cl. 154-2.24.
- Lipton, Thomas J., Inc.: See—
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- Seltzer, Edward. 2,890,957.
- Seltzer, Edward. 2,903,360.
- Seltzer, Edward, Harriman, and Henderson. 2,891,865.
- Seltzer, Edward, and Saporito. 2,902,368.
- Liqua-Mix, Inc.: See—
- Stadelman, William J., and Wilson. 2,876,110.
- Liquid Controls Corp.: See—
- Richards, George B. 2,874,715.
- Richards, George B. 2,898,927.
- Richards, George B. 2,903,025.
- Billeter, Henry R. 2,868,038.
- Billeter, Henry R. 2,884,793.
- Billeter, Henry R., and Richards. 2,894,659.
- Liquidometer Corp.: See—
- Anderson, Wilmer C. 2,910,869.
- De Giers, Clarence A. 2,911,576.
- De Giers, Clarence A., and Soreny. 2,875,431.
- Schafer, Curtiss R. 2,867,120.
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- Sharin, Samuel, Kishl, Sheridan, and Liquori. 2,919,306.
- Lirette, George J., and W. R. Standbridge. Ice fishing rod. 2,904,920, 9-22-59, Cl. 43-20.
- Lisciani, Constantine, to The Protectoseal Co. Coupling with removably retained packing. 2,904,352, 9-15-59, Cl. 285-15.
- Lisee, Paul: See—
- Britner, Richard B., and Lisee. 2,893,101.
- Lisle, Claude K. Driver amplifier for recorder. 2,896,076, 7-21-59, Cl. 250-27.
- Lisle Corp.: See—
- Arthur, John R. 2,878,342.
- Brooks, Thomas E. 2,870,384.
- Lisle, Henry L., to F. Horton, d. b. a. Frank Horton & Co. Cable-laying plow. 2,900,931, 8-25-59, Cl. 111-5.
- Lissac, Georges. Spectacles. 2,894,429, 7-14-59, Cl. 88-47.
- Lissance, Alexander. Variable ratchet drive and the like. 2,918,823, 12-29-59, Cl. 74-143.
- Lisser, Jacques, to Willem Smit & Co.'s Transformatoren-fabrik N.V. Alternating current arc welding devices. 2,891,196, 6-16-59, Cl. 315-173.
- List, Ferdinand: See—
- Brelich, Franz, Hoffmann, and List. 2,885,432.
- List, Hans: See—
- Scheiterlein, Andreas. 2,891,524.
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- Scheiterlein, Andreas. 2,917,226.
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- Skatsche, Othmar. 2,908,265.

- List, William F., to Westinghouse Electric Corp. Movable center-blanked horizon line forming apparatus and saturable reactor pulse forming network for use therein. 2,890,380, 6-9-59, Cl. 315-26.
- List, William F., to United States of America, Navy. Inverted T-symbol generator. 2,896,113, 7-21-59, Cl. 315-24.
- Lister, R. A., & Co. Ltd.: See—
- Morris, Alberto J. 2,870,754.
- Morris, Alberto J. 2,887,904.
- Lister, Roscoe C., to J. M. Huber Corp. Method and apparatus for completing oil wells and the like. 2,913,051, 11-17-59, Cl. 166-32.
- Liston, Earl C., to Howry-Berg Steel & Iron Works, Inc. Soil treatment applicators. 2,881,848, 4-14-59, Cl. 172-553.
- Liston, John W., and D. B. McGregor, to General Telephone Laboratories, Inc. All trunk busy detection circuit. 2,895,012, 7-14-59, Cl. 179-18.
- Liston, Keith L.: See—
- Leonard, Edward J., Hemel, Karow, Gibson, Liston, and Tarschisch. 2,918,533.
- Liston, Marcia B.: See—
- Bletcher, Ralph E., and Ward. 2,875,702.
- Liston, Max D., to Hedman Instruments, Inc. Instruments. 2,875,340, 2-24-59, Cl. 250-43.5.
- Lit, Harry B., and R. P. Anderson, to General Electric Co. Wire coating apparatus. 2,868,159, 1-13-59, Cl. 148-125.
- Lit, Harry B., and R. P. Anderson, to General Electric Co. Wire coating device. 2,875,725, 3-3-59, Cl. 118-125.
- Lite-Vent, Inc.: See—
- Ellman, Samuel H. 2,867,010.
- Lite Vent Industries, Inc.: See—
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- Lithbar Co., The: See—
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- Lithium Corp. of America, Inc.: See—
- Bredsz, Nikolajs. 2,903,352.
- Bredsz, Nikolajs. 2,903,353.
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- Litkenhous, Edward E.: See—
- Moore, Ben M., and Litkenhous. 2,884,742.
- Litman, Chester K., to Koch Refrigerators, Inc. Apparatus for handling and storing prepared foods. 2,883,253, 4-21-59, Cl. 312-237.
- Littell, F. J., Machine Co.: See—
- Littell, Frederick M. 2,890,077.
- Littell, Frederick M., and Wilg. 2,902,826.
- Littell, Frederick M., to F. J. Littell Machine Co. Vacuum pickup and turn-over device. 2,890,077, 6-9-59, Cl. 294-65.
- Littell, Frederick M., and C. M. Wilg. to F. J. Littell Machine Co. Hydraulic power system. 2,902,826, 9-8-59, Cl. 60-53.
- Little, Alfred E., to T. B. Hirschberg, Jr. Motor operated checkwriter. 2,869,456, 1-20-59, Cl. 101-95.
- Little, Arthur D., Inc.: See—
- Anderson, Edward E., and Kiely. 2,905,559.
- Dorgett, Roger H., and Johnson. 2,886,455.
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- Engle, Paul M., and Swanton. 2,907,407.
- Engle, Paul M., and Swanton. 2,907,408.
- Hosken, James C. 2,881,416.
- McMahon, Howard O., and Gifford. 2,906,101.
- Murray, Wallace J. 2,914,424.
- Pastuhov, Alexis, and Zimmermann. 2,909,908.
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- Streeter, Milton H. 2,895,303.
- Vonnegut, Bernard. 2,881,335.
- Vonnegut, Bernard. 2,897,038.
- Zimmermann, Francis J. 2,909,903.
- Little, Donald M., to Phillips Petroleum Co. Apparatus for obtaining maximum depth of flash of oils and the like. 2,875,139, 2-24-59, Cl. 202-185.
- Little, Ernest L., and G. M. Whitman, to E. I. du Pont de Nemours and Co. Preparation of long-chain alkyl-haloananes. 2,888,476, 5-26-59, Cl. 263-448.2.
- Little, Howard M.: See—
- Baumbach, Harlan L., Little, and Seobey. 2,903,942.
- Little, James K. Electrical signaling system. 2,907,013, 9-29-59, Cl. 340-227.
- Little, Jess C., to Textron, Inc. Link structure made of pre-formed helical wire elements. 2,918,783, 12-29-59, Cl. 57-144.
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- Little, John G., to The General Electric Co. Ltd. Electric pulse distributors. 2,867,722, 1-6-59, Cl. 250-27.
- Little, John H., to General Motors Corp. Multiple movement control unit. 2,912,873, 11-17-59, Cl. 74-471.
- Little, John W. Apparatus for dispensing newspapers. 2,895,639, 7-21-59, Cl. 221-266.
- Little, John W., to Goslin-Birmingham Mfg. Co. Rotary filters. 2,902,841, 9-8-59, Cl. 64-1.
- Little, Larry L., to Western Precipitation Corp. Electrical control circuit. 2,904,736, 9-15-59, Cl. 318-130.
- Little, Randel Q., Jr.: See—
- Sabot, Albert R., and Little. 2,900,376.
- Little, Robert K. Pinch valve. 2,890,855, 6-16-59, Cl. 251-5.
- Little, Robert N., Jr.: See—
- Graves, Elizabeth R., and Little. 2,906,903.



- Little, Ted R. Marine pipe trencher. 2,875,585, 3-3-59, Cl. 61-72.  
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 Littlefield, John B.: See—  
 Spokes, Ray E., and Littlefield. 2,901,456.  
 Littleford Brothers, Inc.: See—  
 Camm, William T. 2,867,421.  
 Littlefuse, Inc.: See—  
 Marquis, John F. 2,887,547.  
 Uhl, Leon T. 2,878,340.  
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 Fomenko, Sergei M. 2,908,541.  
 Hansen, Siegfried. 2,885,662.  
 Steinman, Leon. 2,901,640.  
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 Erdley, Harold F., and Acterman. 2,909,930.  
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 Weideman, James W., and Rathje. 2,871,326.  
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 Thuillier, Jean E., Litvan, and Stoll. 2,911,440.  
 Litz, Frank A., to International Business Machines Corp. Pressure responsive mechanism. 2,916,205, 12-8-59, Cl. 235-61.  
 Litz, Norman G. Loop-forming machine. 2,872,231, 2-3-59, Cl. 289-1.  
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 Livingston, Donald C., to Sylvania Electric Products Inc. Electroluminescent device. 2,874,308, 2-17-59, Cl. 250-213.  
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 Livingston, Emmett D. Combination steel and aluminum block. 2,879,031, 3-24-59, Cl. 254-134.3.  
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 Lloyd, Billy E., and F. L. Kelly, to Allied Chemical Corp. Method of producing triallyl isocyanurate. 2,894,950, 7-14-59, Cl. 260-248.  
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 Lloyd, Grahame A.: See—  
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 Lloyd, Harold E.: See—  
 Hillman, Malcolm E. 2,889,502.  
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 Bull, Douglas T., and Lobanoff. 2,897,533.  
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 Lobelle, Marcel J. O. Face masks for airmen. 2,918,060, 12-22-59, Cl. 128-141.  
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 Malz, Hugo, Rayer, Freytag, and Lober. 2,891,059.  
 Lobkowitz, Günther B., to Inter-Continental Huttenbau. Vertical-type rolling mill. 2,870,664, 1-27-59, Cl. 80-35.  
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 Locke, George A.: See—  
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 Dennis, George P. 2,873,383.  
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- Lodge, James R.: See—  
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- Lodge & Shipley Co., The: See—  
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- Lödige, Fritz: See—  
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- Loeb, George H., Jr.: See—  
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- Loeb, Hans W., to Automatic Telephone & Electric Co. Ltd. Electric circuits including transistor devices. 2,879,410, 3-24-59, Cl. 307-88.5.
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- Loebner, Egon E.: See—  
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- Loebner, Egon E., to Radio Corp. of America. Signal responsive circuit. 2,895,054, 7-14-59, Cl. 250-213.
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- Loeffler, Erwin S.: See—  
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- Loehr, Ambrose A. Threshold seal. 2,903,757, 9-15-59, Cl. 20-64.
- Loehr, Leslie K. Cantilever torsion spring mechanism for wheeled vehicles. 2,919,126, 12-29-59, Cl. 267-57.
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- Loepsinger, Albert J., to Grinnell Corp. Humidifying system. 2,913,183, 11-17-59, Cl. 236-44.
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- Loev, Bernard: See—  
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- Lawlor, Francis E., Braid, and Loev. 2,868,846.
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- Loev, David, to Burroughs Corp. Shift registers. 2,881,412, 4-7-59, Cl. 340-174.
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- Loevenstein, Hirsch, to Harvey Machine Co., Inc. Agglomerating finely divided aluminum smelting mixtures. 2,867,525, 1-6-59, Cl. 75-3.
- Loew, Burl C., to ACF Industries, Inc. Check valve. 2,905,188, 9-22-59, Cl. 137-543.15.
- Loew, Harold L., R. R. Oddo, and R. M. Ruben. Dispensers for containers. 2,868,415, 1-13-59, Cl. 222-90.
- Loew, Theodore, to Kraft Foods Co. Apparatus for forming articles from thermoplastic materials. 2,871,515, 2-3-59, Cl. 18-30.
- Loewe, Heinz: See—  
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- Roepke, Willi. 2,871,019.
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- Loewy, Erwin: See—  
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- Loewy, Eugene M. Cleaning device. 2,876,474, 3-10-59, Cl. 15-104.8.
- Löff, George O. G. Solar cooker. 2,909,171, 10-20-59, Cl. 126-270.
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- Löfgren, Bror E., to Aktiebolaget Svenska Flaktfabriken. Apparatus for pneumatic transport of granular material. 2,874,999, 2-24-59, Cl. 302-27.
- Löfgren, Edward J.: See—  
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- Löfgren, Edward J., to United States of America, Atomic Energy Commission. Calutron ion source. 2,874,290, 2-17-59, Cl. 250-419.
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- Löfgren, Gustaf E., to Electrolux Corp. Disposable dust bags. 2,909,238, 10-20-59, Cl. 183-51.
- Löfgren, Karl B.: See—  
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- Lofink, Raymond P., to The Chaplin-Fulton Mfg. Co. Automatic pressure regulating valve. 2,896,660, 7-28-59, Cl. 137-456.
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- Logan, Alexander, to Western Electric Co., Inc. Drive mechanism. 2,912,100, 11-10-59, Cl. 203-135.
- Logan, Benjamin F., Jr., to United States of America, Navy. Velocity servosystem with signal quadrature component suppression. 2,881,379, 4-7-59, Cl. 318-328.
- Logan, Henry H. Governors. 2,909,366, 10-20-59, Cl. 264-15.
- Logan, Henry H. Holst control mechanism. 2,912,224, 11-10-59, Cl. 254-173.
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- Logan, John A., and E. K. L. Haffner. Heating means for billet containers of metal extrusion presses. Re. 24,698, 9-15-59, Cl. 219-10.71.
- Logan, Kenneth C., and J. Mardon, to Anglo Paper Products, Ltd. Paper machine headbox. 2,892,499, 6-30-59, Cl. 162-344.
- Logan, Ralph A., A. J. Peters, and M. Tanenbaum, to Bell Telephone Laboratories, Inc. Fabrication of silicon devices. 2,879,190, 3-24-59, Cl. 148-1.5.
- Logan, Ralph L., to J. G. McAllister, Inc. Socket for studio lamp or the like. Re. 24,647, 5-12-59, Cl. 339-75.
- Logan, Richard M. Portable self closing electric gate. 2,893,142, 7-7-59, Cl. 39-92.
- Logan, Robert P., to Dorr-Oliver Inc. Bacterial digestion of organic matter. 2,881,137, 4-7-59, Cl. 210-14.
- Logan, Robert T. Mechanism for the operation of the transfer table of a press. 2,908,405, 10-13-59, Cl. 214-1.
- Logan, Sandy B. Reading glass and mounting. 2,905,054, 9-22-59, Cl. 88-39.
- Logan, Stanley E., to General Electric Co. Pipe seal. 2,900,199, 8-18-59, Cl. 285-187.
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- Lohnes, Howard E., and J. J. Krekovich, to Hallmark Cards, Inc. Animated greeting card. 2,884,724, 5-5-59, Cl. 40-65.
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- Lohr, Thomas E., and G. W. Sierant, to General Motors Corp. Mechanical movement device. 2,905,012, 9-22-59, Cl. 74-424.8.
- Lohr, Wilmer M., and A. Lulay, to E. I. du Pont de Nemours & Co. Novelty yarn. 2,878,548, 3-24-59, Cl. 28-81.
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- Lohse, Vernon G. Multiple measuring dispenser. 2,903,024, 9-8-59, Cl. 141-100.
- Loisell, Paul J., to General Motors Corp. Material handling device. 2,868,582, 1-13-59, Cl. 294-88.
- Loiselle, Henry L. Tractor safety switch. 2,916,573, 12-8-59, Cl. 200-61.5.
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- Gunn, Paul C. 2,907,491.
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- Lomax, Clarence E.: See—  
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- Lomax, Clarence E., to General Telephone Laboratories, Inc. Recorded message service for telephone paystations. 2,886,641, 5-12-59, Cl. 179-6.3.
- Lomax, Clarence E., to General Telephone Laboratories, Inc. Telephone system serving both regular and paystation telephones. 2,895,008, 7-14-59, Cl. 179-6.3.
- Lomax, Clarence E., to General Telephone Laboratories, Inc. Party line paystation. 2,895,010, 7-14-59, Cl. 179-17.
- Lomax, Clarence E., to General Telephone Laboratories, Inc. Inter-office trunking system. 2,897,280, 7-28-59, Cl. 179-18.
- Lomax, Clarence E., to General Telephone Laboratories, Inc. Telephone system with inductive pulsing. 2,899,501, 8-11-59, Cl. 179-16.
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- Lomax, Clarence E., to General Telephone Laboratories, Inc. Small suboffice telephone system. 2,911,480, 11-3-59, Cl. 179-26.
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- Lomax, Clarence E., to General Telephone Laboratories, Inc. Restricted service arrangements in telephone systems. 2,914,616, 11-24-59, Cl. 179-18.
- Lomax, Clarence E., to General Telephone Laboratories, Inc. Connector supervisory circuit. 2,918,531, 12-22-59, Cl. 179-8.5.
- Lomazzo, Edmund J., to The Bullard Co. Mechanism for performing machining operations. 2,900,860, 8-25-59, Cl. 82-24.
- Lombard, Adrian A., to Rolls-Royce Ltd. Means for controlling the rotational speed of the low-pressure compressor rotor of gas turbine engines. 2,873,576, 2-17-59, Cl. 60-35.6.
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- Lombard, Frederick E., Jr.: See—  
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- Lombard, Anthony J., to International Telephone and Telegraph Corp. Resonant cavity with fixed contact adjustable plunger. 2,903,659, 9-8-59, Cl. 333-82.
- Lombardi, Vincent. Knitting machines and methods. 2,893,226, 7-7-59, Cl. 66-93.
- Lombardo, Vincent. Baby carriage, self-rocking type. 2,904,344, 9-15-59, Cl. 280-47.1.
- Lombardi, Vincent. Knitting machine. 2,911,807, 11-10-59, Cl. 66-50.
- Lombardo, Joseph A., to The Singer Mfg. Co. Sewing machine throat plates. 2,885,986, 5-12-59, Cl. 112-260.
- Lombi, Louis G. Manicotti machine. 2,905,105, 9-22-59, Cl. 107-1.
- Lönborg-Holm, Ethel C. Disposable diaper. 2,890,700, 6-16-59, Cl. 128-284.
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- London, Eric, and G. D. Twigg, to Bengel Laboratories Ltd. Therapeutic preparations of iron. Re. 24,642, 4-28-59, Cl. 167-68.
- London, Fred H., to Curtiss-Wright Corp. Thickness measuring apparatus with compensation for atmospheric conditions. 2,883,555, 4-21-59, Cl. 250-105.
- London, Melvin D., to The Absorbent Cotton Co. Breast pad and machine for making same. 2,891,544, 6-23-59, Cl. 128-280.
- Loneragan, William R.: See—  
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- Long, Arthur H., to Wm. K. Stamets Co. Rotary cutoff machine with radially movable cutters. 2,894,582, 7-14-59, Cl. 164-60.
- Long, Ben J. Under ice towing and launching device. 2,904,919, 9-22-59, Cl. 43-4.
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- Greenhalgh, Frank G., and Long. 2,877,170.
- Long, Florren E., to Continental Can Co., Inc. Automatic foaming unit. 2,899,318, 8-11-59, Cl. 99-180.
- Long, George, and T. Tsuchiya, to General Mills, Inc. Vibratory apparatus. 2,876,891, 3-10-59, Cl. 198-220.
- Long, George B., to General Motors Corp. Domestic appliance. 2,879,763, 3-31-59, Cl. 126-340.
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- Long, George B., to General Motors Corp. Washer. 2,895,320, 7-21-59, Cl. 68-58.
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- Long, Henry M. Three-dimensional crosswood puzzle. 2,886,325, 5-12-59, Cl. 273-157.
- Long, James K.: See—
- Towle, Jack L., and Long. 2,881,120.
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- Long, Jasper, to Wade Electric Products Co. Headlight connector. 2,885,649, 5-5-59, Cl. 339-66.
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- Long, John R. Dump scoop. 2,895,238, 7-21-59, Cl. 37-130.
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- Long, John R., to Shuford Mills, Inc. Variable speed control for winding machines. 2,918,779, 12-29-59, Cl. 57-98.
- Long, John R., and A. C. Flint, 50% to Granite Machine Co. and 50% to Livingston & Haven, Inc. Lap roll pressure means for lapping machines. 2,890,841, 6-16-59, Cl. 242-55.1.
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- Long, John V., and J. V. Furth, to Solar Aircraft Co. Protective ceramic coating method and materials. 2,898,236, 8-4-59, Cl. 117-124.
- Long, John V., and J. V. Furth, to Solar Aircraft Co. Ceramic composition and method of coating therewith. 2,900,276, 8-18-59, Cl. 117-70.
- Long, Joseph E.: See—
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- Long, Laurence E. Folding safety anchor. 2,910,955, 11-3-59, Cl. 114-208.
- Long, Lewis D., to National Tank Co. Reversible motor valves. 2,903,011, 9-8-59, Cl. 137-270.
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- Long, Luther L., and R. G. Trout, to Owens-Corning Fiberglass Corp. Method for forming and treating fibers. 2,914,806, 12-1-59, Cl. 18-47.3.
- Long Mfg. Co., Inc.: See—
- Atkinson, Wallace E. 2,912,844.
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- Long, William R. 2,891,658.
- Long, Merton W., Jr.: See—
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- Long, Merton W., Jr., to The Dow Chemical Co. Preparation of piperazine. 2,910,477, 10-27-59, Cl. 260-268.
- Long, Paul M., to A. B. A. Mfg. Co. Adjustable dolly. 2,878,028, 3-17-59, Cl. 280-35.
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- Long, Richard H., and E. E. Prather, to Bendix Aviation Corp. Two stage governor. 2,906,833, 9-29-59, Cl. 200-80.
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- Longacre, Russell S. Self-watering flower pot assembly. 2,885,825, 5-12-59, Cl. 47-38.
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- Longenecker, John S. Method of making a one-piece display device. 2,900,667, 8-25-59, Cl. 18-47.5.

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- Longfellow, Harold W., to Han-D-Hook, Inc. Implement holding device. 2,898,657, 8-11-59, Cl. 24-249.
- Longfellow, Melvin E., to United Aircraft Corp. Servo operated temperature compensated valve. 2,917,061, 12-15-59, Cl. 137-51.
- Longfellow, Richard C., to The Cretex Companies, Inc. Gasket sealed concrete pipe form. 2,869,213, 1-20-59, Cl. 25-127.
- Longfield, William F., to The Federal Machine and Welder Co. Press apparatus. 2,872,886, 2-10-59, Cl. 113-38.
- Longfield, William F., to The Federal Machine and Welder Co. Variable stroke press. 2,896,457, 7-28-59, Cl. 74-43.
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- Longley, Herbert J. Lightweight adjustable louvers. 2,887,153, 5-19-59, Cl. 160-166.
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- Longstreth, Murray O., and J. E. Tollar, to The Dow Chemical Co. Assembly for supporting center cores in annular supply passageways for circumferential extrusion dies and the like. 2,913,763, 11-24-59, Cl. 18-14.
- Longton, Ernest W., A. J. Beaudoin, and P. W. Johnson. Power system transmitted alarm. 2,867,795, 1-6-59, Cl. 340-310.
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- Hamilton, Joseph P. 2,910,220.
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- Enock, Arthur G., and Longville. 2,897,988.
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- Lontz, John F.: See—
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- Loofbourrow, Alan G., to Chrysler Corp. Valve structure. 2,871,907, 2-3-59, Cl. 152-427.
- Loofbourrow, Alan G., to Chrysler Corp. Transmission gear-shift control mechanism. 2,884,802, 5-5-59, Cl. 74-473.
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- Loomis, Nelson E., to Son-Chief Electric, Inc. Protected insulated heating element for electric percolators. 2,915,614, 12-1-59, Cl. 219-44.
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- Loomis, Robert F., to Fuller Co. Discharge means for storage receptacles. 2,915,337, 12-1-59, Cl. 302-53.
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- Loomis, Stanley K. Cigar protectors. 2,910,072, 10-27-59, Cl. 131-189.
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- Loop, James P., to Continental Steel Corp. Collapsible core spool mechanism. 2,894,701, 7-14-59, Cl. 242-72.1.
- Loos, Horst R., to Statul vyzkumny ustav tepelne techniky Praha. Electric measuring apparatus for measuring the time integral of momentary pulses. 2,903,646, 9-8-59, Cl. 324-123.
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- Levy, Edward M., and Lopatka. 2,910,187.
- Lopinski, Stanley A., and G. E. Childs, to Westinghouse Electric Corp. Coating nozzle cleaning apparatus. 2,884,895, 5-5-59, Cl. 118-49.1.
- Loper, Douglas A., to Abbott Laboratories. Hypodermic syringe and needle hub structure. 2,902,995, 9-8-59, Cl. 128-215.
- Loper, George B., to Socony Mobil Oil Co., Inc. Intensity-modulated transient display. 2,912,672, 11-10-59, Cl. 340-15.
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- Lopes, Edward J.: See—
- Pollak, Philip, Jr., and Lopes. 2,911,279.
- Lopez, Alfonso S. Window alarm device. 2,868,915, 1-13-59, Cl. 260-61.72.
- Lopez, John P., and A. C. Monaghan, to Universal Corrugated Box Machinery Corp. Folded box blank crushing and gluing machine. 2,876,731, 3-10-59, Cl. 118-44.
- Lopez, Rene. Casing for camera. 2,868,098, 1-13-59, Cl. 95-11.5.
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- Lopez, Serafin G. Hook and cleat combination. 2,892,230, 6-30-59, Cl. 24-123.
- Lopez-Henriquez, Miguel. Brassiere construction. 2,900,982, 8-25-59, Cl. 128-476.
- Lopp, Charles R.: See—
- Levit, Edward C., and Lopp. 2,894,631.
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- Boersma, Richard F., and Lo Presti. 2,889,913.
- Lo Presti, Roy F., to Goodman Mfg. Co. Troughing roller assemblies for flexible cable supported belt conveyors. 2,885,066, 5-5-59, Cl. 198-192.
- Lo Presti, Roy F., and J. R. Madeira, to Goodman Mfg. Co. Rigidly spaced lumber idler troughing roller assembly for endless conveyor. 2,875,886, 3-3-59, Cl. 198-192.
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- Huge, Henry M. 2,896,147.
- Merkel, Stephen L. 2,914,720.
- L'Orange G.m.b.H.: See—
- L'Orange, Rudolf H. 2,912,168.
- L'Orange, Rudolf H., to L'Orange G.m.b.H. Fuel injection unit. 2,912,168, 11-10-59, Cl. 239-88.
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- Lord, Arthur V., to Marconi's Wireless Telegraph Co. Ltd. and Standard Telephones & Cables Ltd. Electronic information storage. 2,882,444, 4-14-59, Cl. 315-11.
- Lord, George W., to National Research Development Corp. Cold rolling mills. 2,872,833, 2-10-59, Cl. 80-38.
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Losey, Thomas B., to The Gulberson Corp. Swab cup. 2,837,347, 5-19-59, Cl. 309-33.

Losfeld, André, and M. Roustant. Instantaneous and time-lag percussion fuse for gun and small-arm projectile. 2,882,825, 4-21-59, Cl. 102-74.

Loshak, Sam, to Rohm & Haas Co. Polyisocyanate modified plural coat system for leather. 2,884,340, 4-28-59, Cl. 117-76.

Loshak, Sam, and W. W. Toy, to Rohm & Haas Co. Methods for producing coated leather and the products thereof. 2,884,336, 4-28-59, Cl. 117-11.

Losinger & Co. A. G.: See—  
Slegfried, Erwin. 2,871,554.

Lossau, Earl, to Bobcat Corp. Frame structure for golf bag motor scooter. 2,908,510, 10-13-59, Cl. 280-281.

Lossow, David. Interchangeable tube cap circuit. 2,901,690, 8-25-59, Cl. 324-22.

Lossus, Allan R. Fly swatter having fly pick up. 2,902,793, 9-8-59, Cl. 43-137.

Lossus, Allan R. Fly swatter and pick up device. 2,911,250, 11-3-59, Cl. 294-99.

Lotarski, Stephen P., and F. R. Speight, to United Shoe Machinery Corp. Insole rib attaching machines. 2,898,614, 8-11-59, Cl. 12-20.

Lothrop, John W.: See—  
Bing, Herbert A., and Lothrop. 2,910,573.

Lothrop, John W., and C. O. Rolando, to Polaroid Corp. Photographic apparatus including fluid-spreading and sheet-arresting mechanism. 2,871,777, 2-3-59, Cl. 95-89.

Lott, De Forest, and E. G. Hamway, to The General Tire & Rubber Co. Plastic upholstery material. 2,875,115, 2-24-59, Cl. 154-46.

Lott, Harry C.: See—  
Higgins, Walter A., and Lott. 2,870,980.

Lott, Jeremiah A.: See—  
Hornor, Hugh, and Lott. 2,883,098.

Lott, William A.: See—  
Krapcho, John, and Lott. 2,918,470.

Lotter, Adolph G., to Stationers Loose Leaf Co. Loose leaf binder. 2,886,039, 5-12-59, Cl. 129-8.

Lottemoser, Manfred, to J. Croning (deceased); E. M. D. Croning, born Bornsen, sole heir of said J. Croning. Molding material for producing shell molds for casting purposes. 2,881,082, 4-7-59, Cl. 100-38.8.

Lotvik, Lars G. W.: See—  
Fredriksson, Per S. E., Arnell, Lofgren, and Lotvik. 2,898,650.

Lotz, Otto, to The Babcock & Wilcox Co. Fuel burning apparatus. 2,868,179, 1-13-59, Cl. 122-235.

Lotz, Otto, to The Babcock & Wilcox Co. Cyclone furnaces. 2,881,720, 4-14-59, Cl. 110-28.

Lotz, Rudolf, to Vereinigte Glanzstoff-Fabriken A. G. Preparation of p-xylene dibalides. 2,868,821, 1-13-59, Cl. 260-429.9.

Lotz, Rudolf, and R. Gerlach, to Vereinigte Glanzstoff-Fabriken A. G. Process for the production of terephthalic acid dimethyl ester. 2,876,252, 3-3-59, Cl. 260-475.

Loucks, Alton L., to Western Electric Co., Inc. Tube-forming apparatus. 2,908,314, 10-13-59, Cl. 153-1.

Louden, Harry L., to General Electric Co. Wire feeding apparatus. 2,883,072, 4-21-59, Cl. 214-1.

Louden Machinery Co., The: See—  
Mayer, Wilbur. 2,918,540.

Louden, Russell L. Television aerial mast turner. 2,869,387, 1-20-59, Cl. 74-425.

Loudon, Allen W.: See—  
Lauder, Ernie L., Frederick, and Loudon. 2,903,565.  
Lauder, Ernie L., Loudon, and Frederick. 2,903,566.

Loudon, Ronald C., to Bendix Aviation Corp. Electrical apparatus having means to control the supply of energy from a coil to a plurality of circuits. 2,881,587, 4-14-59, Cl. 60-39.14.

Loudon, Norman G. W.: See—  
Flower, Stanley H., Parsons, and Loudon. 2,892,339.

Loudon, Robert C. Binder for papers, pamphlets, catalogs and similar articles. 2,906,267, 6-29-59, Cl. 129-1.

Loudon, Robert E., and V. G. Skare, to Clary Corp. Switching circuit. 2,877,387, 3-10-59, Cl. 315-240.

Loughbeed, Henry B.: See—  
Safarik, Norman E., and Loughbeed. 2,910,801.

Loughlin, Bernard D.: See—  
Espenlaub, Walter C., and Loughlin. 2,868,872.

Loughlin, Bernard D., to Hazeltine Research, Inc. Color image-reproducing apparatus. 2,877,295, 3-10-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Color or monochrome image-reproducing apparatus. 2,885,464, 5-5-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Image-reproducing system for a color-television receiver. 2,885,465, 5-5-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Wave-signal modifying apparatus. 2,890,273, 6-9-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Luminescence-signal component-conversion system. 2,892,021, 6-23-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Gamma-correction apparatus. 2,896,014, 7-21-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Five zone composite transistor with common zone grounded to prevent interaction. 2,898,454, 8-4-59, Cl. 250-20.

Loughlin, Bernard D., to Hazeltine Research, Inc. Screen structure for constant luminance color receiver. 2,905,749, 9-22-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Automatic index level control circuit. 2,905,752, 9-22-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Color-television transmitting system. 2,905,753, 9-22-59, Cl. 178-5.4.

Loughlin, Bernard D., to Hazeltine Research, Inc. Automatic-control systems for television receivers. 2,913,522, 11-17-59, Cl. 178-7.3.

Loughlin, Bernard D., to Hazeltine Research, Inc. Detector system correcting for single sideband distortion. 2,914,606, 11-24-59, Cl. 178-5.4.

Loughlin, John P. Disposable safety razor. 2,911,711, 11-10-59, Cl. 30-32.

Loughlin, Robert W. Tension spring. 2,884,240, 4-28-59, Cl. 267-15.

Loughman, William F. Process for coating metal. 2,888,391, 5-26-59, Cl. 204-143.

Loughran, Robert T., and W. P. Burton, to The M. W. Kellogg Co. Reactivation of catalyst for use in the reforming of hydrocarbon oils. 2,867,579, 1-6-59, Cl. 208-136.

Loughren, Arthur V., to Hazeltine Research, Inc. Color-balance control system. 2,877,293, 3-10-59, Cl. 178-5.4.

Loughry, Theodore F., and R. M. Escott, to Surface Combustion Corp. Pebble heat exchange apparatus. 2,867,512, 1-6-59, Cl. 23-284.

Loul, Phillip J.: See—  
Motyka, John J., and Loul. 2,906,408.

Louik, Leonard, and L. F. Marks, to Bruce Molded Plastics, Inc. Luggage handles. 2,913,080, 11-17-59, Cl. 190-57.

Louis, Arnold S.: See—  
Coler, Myron A., and Louis. 2,891,027-32.

Gottschall, Herbert A., Louis, and Guggenheim. 2,908,882.

Louis, Arnold S., and H. S. Zablocki. Potentiometer wiper arm. 2,885,519, 5-5-59, Cl. 201-55.

Louis, Claus, K. Sieber, and F. K. Koch. Heading machine having an additional punch stroke effective at the forward position of the header slide. 2,867,823, 1-13-59, Cl. 10-12.

Louis, Raymond M. R. G., and P. C. Fotelli. Receptacles. 2,907,052, 10-6-59, Cl. 4-187.

Louis, Romeo, to Forges et Ateliers de Constructions Electriques de Jeumont. Casing and method of making same. 2,902,934, 9-8-59, Cl. 102-43.

Louisville Cap Corp.: See—  
Lipschutz, Frank K., and Rosenberg. 2,877,466.

Lipschutz, Frank K., and Rosenberg. 2,898,126, 8-4-59, Cl. 280-467.

Loung, Pal Y., to Wah Chang Corp. Purification of tungstates. 2,893,832, 7-7-59, Cl. 23-51.

Loung, Pal Y., to Wah Chang Corp. Purification of tungstates. 2,894,814, 7-14-59, Cl. 23-51.

Lounsberry, Stephen M.: See—  
Steele, James R., and Lounsberry. 2,887,179.

Lourdes Instrument Co.: See—  
Di Benedetto, Charles, Piemonte, and S. Di Benedetto. 2,917,229.

Louthan, Cordella V. Hair curling device. 2,874,705, 2-24-59, Cl. 132-41.

Louthan, Rector P., to Phillips Petroleum Co. Organic thio-sulfonates and method of preparation. 2,913,475, 11-17-59, Cl. 260-456.

Louthan, Rector P., and C. W. Kruse, to Phillips Petroleum Co. Organic sulfur halides, derivatives thereof, and preparation of such halides and derivatives. 2,886,593, 5-12-59, Cl. 260-543.

Loutz, Roger, to Cutter Laboratories, Inc. Venoclysis apparatus. 2,886,035, 5-12-59, Cl. 128-272.

Louzos, Demetrios V., to Union Carbide Corp. Solid electrolyte battery system. 2,894,053, 7-7-59, Cl. 136-87.

Love, Allan W.: See—  
Brant, Arthur A., and Love. 2,874,348.

Love, David A.: See—  
Davidson, Samuel H., Love, and Williams. 2,869,462.

Smith, Kenneth A., and Love. 2,916,993.

Love, Delbert B.: See—  
Sullivan, William R., Cleary, and Love. 2,917,358.

Love, Gordon W., and C. A. Pellizzari. Removable window sash and a spring-channel combination therefor. 2,870,494, 1-27-59, Cl. 20-52.2.

Love, John, to K. A. C. Ltd. Toggle fasteners. 2,873,495, 2-17-59, Cl. 24-68.

Love, John, to K.A.C. Ltd. Flexible couplings for pipes. 2,904,356, 9-15-59, Cl. 285-226.

Love, John W., to United States of America, Air Force. Centering and mounting means for cathode ray tubes and the like. 2,900,631, 8-18-59, Cl. 340-367.

Love, Joseph C., and M. M. Quickly attachable and detachable cultivator shovel. 2,908,340, 10-13-59, Cl. 172-762.

Love, Kenneth T. A.: See—  
Eisenberg, Irwin W., Carlson, Love, Stadler, Costantino, Trammell, and Dibble. 2,916,699.

Eisenberg, Irwin W., Carlson, Love, Stadler, Costantino, Trammell, and Dibble. 2,916,698.

Eisenberg, Irwin W., Dibble, Armstrong, Love, and Rhodes. 2,905,776.

Love, Leslie G. Over center locking clamp. 2,896,293, 7-28-59, Cl. 24-249.

Love, Martha M.: See—  
Love, Joseph C., and M. M. 2,908,340.

Love, Millard. Tire grooving machine having cam guided cutters capable of lateral movement in opposite directions. 2,891,605, 6-23-59, Cl. 157-13.

Love, Paul M.: See—  
Love, Russell B. 2,906,335.

Love, Richard R. Road paving machine. 2,907,319, 10-6-59, Cl. 126-343.5.

Love, Robert M.: See—  
Holcomb, Henry A., and Love. 2,898,291.

Love, Robert M., to Esso Research and Engineering Co. Process for regenerating platinum catalyst in a reforming process. 2,870,085, 1-20-59, Cl. 208-140.

Love, Russell B., 15% each to P. M. and W. B. Love. Credit card punching device. 2,906,335, 9-29-59, Cl. 164-114.

Love, Wayne B.: See—  
Love, Russell B. 2,906,335.

Lovecky, Albert J., to Bell Telephone Laboratories, Inc. Wire unwrapping and rewinding tool. 2,898,952, 8-11-59, Cl. 140-124.



- Loveday, Paul E., to Union Carbide Corp. Method and apparatus for maintaining efficiency of vacuum insulation. 2,900,800, 8-25-59, Cl. 62-45.
- Lovegrove, Henry J., to Daystrom, Inc. Hermetic sealing arrangements for electrical measuring instruments. 2,901,913, 9-1-59, Cl. 74-18.1.
- Lovegrove, John W., to United States of America, Navy. Anti-gust stop. 2,906,348, 9-29-59, Cl. 170-160.55.
- Lovejoy, Elwyn R.: See—  
Dawson, Thomas P., Lovejoy, Williamson, and Witten. 2,913,367.
- Lovelace, Donald E.: See—  
Montgomery, Donald N., Lovelace, and Wilcox. 2,917,709.
- Lovelace, Donald E., to Consolidated Electrodynamics Corp. Symmetrical transducer. 2,872,813, 2-10-59, Cl. 73-398.
- Lovelady, Isaac W., and S. P. Krockner, to Sivalis Tanks, Inc. Separator apparatus. 2,882,994, 4-21-59, Cl. 183-2.7.
- Loveland, Roger S.: See—  
Currie, Courtland B., and Loveland. 2,868,457.
- Loveland, Roger S., and L. L. Wolfe, to Minneapolis-Honeywell Regulator Co. Thermostatic valve. 2,880,990, 6-9-59, Cl. 230-48.
- Lovell, William C.: See—  
Homa, Stephen W., and Lovell. 2,886,193.
- Lovely, Joseph D., to Chrysler Corp. Evaporator unit with condensate collecting means. 2,886,956, 5-19-59, Cl. 62-285.
- Lovell, Clarence A., to Bell Telephone Laboratories, Inc. Quarter square electric voltage multiplier. 2,906,459, 9-29-59, Cl. 235-194.
- Lovell, Clarence E., and C. J. Lewis, to American Metal Climax, Inc. Production of alkali metal nitrates from alkali metal chlorides. 2,916,353, 12-8-59, Cl. 23-102.
- Lovell, Jack, to Chicago Pneumatic Industries, Inc. Tower raising mechanism. 2,887,191, 5-19-59, Cl. 189-15.
- Lovell, Jack, to Cleveland Pneumatic Industries, Inc. Steering mechanism for aircraft landing gear. 2,919,084, 12-29-59, Cl. 244-50.
- Lovell Mfg. Co.: See—  
Smith, Ellwood H. 2,884,710.
- Lovens kemiske Fabrik ved A. Kongsted: See—  
Borrevang, Poul. 2,893,917.
- Jansen, Alexander B. A., and Hamlet. 2,880,203.
- Lovenston, Bessie B.: See—  
Lovenston, Hans J. 2,883,755.
- Lovenston, Hans J., deceased; B. B. Lovenston, executrix, to Hanke Gage Co. Calibrating means for indicator gages. 2,883,755, 4-28-59, Cl. 33-172.
- Lover, Seth E.: See—  
McCarthy, Theodore M., and Lover. 2,897,709.
- Lover, Seth E., to Gibson, Inc. Magnetic pickup for stringed musical instrument. 2,896,491, 7-28-59, Cl. 84-1.15.
- Loverde, Lawrence V., to Oak Mfg. Co. Vibrators. 2,906,836, 9-29-59, Cl. 200-90.
- Lovett, Richard E., to National Standard Co. Wire cloth. 2,891,584, 6-23-59, Cl. 139-425.
- Lovett, Richard R., Jr. Syphon ball for boats. 2,870,783, 1-27-59, Cl. 137-560.
- Lovett, William E., and E. D. Nostrand, to Esso Research and Engineering Co. Motor fuel. 2,918,359, 12-22-59, Cl. 44-56.
- Lovich, Edward L. Plaster cast. 2,875,752, 3-3-59, Cl. 128-83.
- Lovick, Edward, Jr., to Lockheed Aircraft Corp. Traveling wave device. 2,880,417, 3-31-59, Cl. 343-731.
- Lovsted, C. M., & Co., Inc.: See—  
Oster, Harvey J. C., Jr. 2,895,624.
- Low, John A.: See—  
Howlett, Frank, Butler, and Low. 2,907,754.
- Low, Laszlo L., to Purex Corp., Ltd. Bleaching and disinfecting compositions. 2,897,154, 7-28-59, Cl. 252-99.
- Low, Paul H. Mobile log caddy. 2,896,961, 7-28-59, Cl. 280-47.26.
- Lowdermilk, Ford R.: See—  
Bell, Thomas R., III, and Lowdermilk. 2,874,769.
- Low, Arthur, J. A. Moyle, and A. M. Wooler, to Imperial Chemical Industries Ltd. Water-soluble organic nitrogen compounds. 2,897,162, 7-28-59, Cl. 260-2.
- Lowe, Carl H., to Diamond Gardner Corp. Egg handling equipment. 2,881,930, 4-14-59, Cl. 214-6.
- Lowe, Carol S.: See—  
Williams, Robert F., Jr., and Lowe. 2,899,315.
- Lowe, Charles S., to United States of America, Atomic Energy Commission. Separation by adsorption. 2,890,932, 6-16-59, Cl. 23-14.5.
- Lowe, Charles S., and W. H. McVey, to United States of America, Atomic Energy Commission. Rare earth-actinide separation by adsorption. 2,903,333, 9-8-59, Cl. 23-14.5.
- Lowe, Donald J., and F. F. Hillix, to Young Brothers Co. Take-up for conveyors. 2,883,037, 4-21-59, Cl. 198-208.
- Lowe, Earl R.: See—  
Smith, Gordon R. 2,870,686.
- Lowe, Edison, and E. L. Durkee, to United States of America, Agriculture. Apparatus for treating particulate material with gaseous media. 2,876,553, 3-10-59, Cl. 34-236.
- Lowe, Frank W.: See—  
Poindexter, Franklin E., and Lowe. 2,903,400.
- Lowe, Fred C. Collapsible cores for concrete pipe. 2,878,545, 3-24-59, Cl. 25-128.
- Lowe, Harold, to Borg-Warner Corp. Transmission. 2,888,834, 6-2-59, Cl. 74-472.
- Lowe, Harry N., Jr.: See—  
Hahl, Robert G., and Lowe. 2,883,240.
- Lowe, Helen M. Hair styling equipment. 2,874,704, 2-24-59, Cl. 132-34.
- Lowe, Helen M. Hair styling device. 2,903,001, 9-8-59, Cl. 132-39.
- Lowe, Herbert J. Rolling contact printing form locking device. 2,874,638, 2-24-59, Cl. 101-378.
- Lowe, Irma B. Tool for supporting and using window cleaning implements. 2,895,153, 7-21-59, Cl. 15-118.
- Lowe, Joe, Corp.: See—  
Ensler, Arthur S., and Friedman. 2,898,213.
- Friedman, Aaron, Lurie, and Dale. 2,907,160.
- Lowe, Robert E. Variable speed transmission. 2,897,691, 8-4-59, Cl. 74-757.
- Lowe, Roy E. Vehicle load handling construction. 2,892,356, 6-30-59, Cl. 214-83.24.
- Lowe, Russell T., and R. D. Cavanaugh, to Barry Controls Inc. Resilient support. 2,912,212, 11-10-59, Cl. 248-358.
- Lowe, Warren: See—  
Horton, Bruce W., and Lowe. 2,868,728.
- Stewart, William T., Stuart, and Lowe. 2,892,786.
- Stewart, William T., Stuart, and Lowe. 2,892,788.
- Stewart, William T., Stuart, and Lowe. 2,892,792.
- Stewart, William T., Stuart, and Lowe. 2,892,821.
- Stewart, William T., Stuart, Lowe, and Kavanagh. 2,892,819.
- Stuart, Frank A., Stewart, and Lowe. 2,892,790.
- Stuart, Frank A., Stewart, Lowe, and Kavanagh. 2,892,783.
- Lowe, Warren, to California Research Corp. p-Xylylene diamine salts of glycol boric acids. 2,883,412, 4-21-59, Cl. 260-462.
- Lowe, Warren, to California Research Corp. Ester-containing lubricant compositions. 2,898,299, 8-4-59, Cl. 252-46.6.
- Lowe, Warren, to California Research Corp. Process for preparing lubricant compositions and concentrates therefor. 2,900,339, 8-18-59, Cl. 252-33.4.
- Lowe, Warren, to California Research Corp. Lubricating oil composition. 2,902,450, 9-1-59, Cl. 252-336.
- Lowe, Warren, and R. A. Stayner, to California Research Corp. Compounded hydrocarbon fuels. 2,892,690, 6-30-59, Cl. 44-62.
- Lowe, Warren, W. T. Stewart, and F. A. Stuart, to California Research Corp. Lubricant composition. 2,892,791, 6-30-59, Cl. 252-56.
- Lowe, Warren, W. T. Stewart, F. A. Stuart, and F. W. Kavanagh, to California Research Corp. Detergent copolymers. 2,892,816, 6-30-59, Cl. 260-78.
- Lowe, Warren, W. T. Stewart, F. A. Stuart, and F. W. Kavanagh, to California Research Corp. Detergent copolymers. 2,892,818, 6-30-59, Cl. 260-78.5.
- Lowe, Wilbur D., and V. C. James. Steam bath and generator therefor. 2,902,580, 9-1-59, Cl. 219-40.
- Lowell Counter Co.: See—  
Herlihy, William F. 2,905,955.
- Lowell, Howard C., to Patton-MacGuer Co. Wire termination device. 2,887,670, 5-19-59, Cl. 339-275.
- Lowell, Rudolph L. Adding device. 2,911,148, 11-3-59, Cl. 235-80.
- Lowen, Stanley. Container cap. 2,914,206, 11-24-59, Cl. 215-41.
- Lowen, Stanley. Pill or tablet dispenser. 2,918,167, 12-22-59, Cl. 206-42.
- Löwenborg, John G. F.: See—  
Ekström, Gösta L., and Löwenborg. 2,900,959.
- Lowenfeld, Rudolf: See—  
Kracker, Herbert, Bauer, Kirst, Lowenfeld, and Staab. 2,908,679.
- Lowenstein, Jos. H., & Sons, Inc.: See—  
Tucker, Harold H. 2,890,094.
- Lower, William E.: See—  
Ten Have, Cornelis D., Bunleigh, Le Nobel, Pieters, and Lower. 2,893,954.
- Lowerre, Ralph T., to United States Steel Corp. Rail bond and method of installing the same. 2,893,640, 7-7-59, Cl. 238-14.13.
- Lowery, Fred. Hook attachment for bolsts. 2,907,600, 10-6-59, Cl. 294-83.
- Lowery, Fred, and J. D. Phillips. Emergency braking system for vehicles. 2,900,053, 8-18-59, Cl. 188-106.
- Lowery, James A.: See—  
Thomas, Samuel O., Lowery, and Singleton. 2,914,525.
- Lowery, James C.: See—  
Cooper, Jacob L., Daniel, and Lowery. 2,913,784.
- Lowery, John M., to Radco Corp. of America. Tube tester. 2,873,424, 2-10-59, Cl. 324-26.
- Lowey, Francis J., to American Brake Shoe Co. Press for powdered metals. 2,913,764, 11-24-59, Cl. 18-16.5.
- Lowman, Malden C., Jr., and E. J. Flach, to Shell Development Co. Recovery of oil from tar sands. 2,871,150, 1-27-59, Cl. 208-11.
- Lowman, Robert K. Weight distributor for detachable trailer hitch. 2,918,308, 12-22-59, Cl. 280-406.
- Lowndes, Wilbur J.: See—  
Hunt, Reed O., Erickson, and Lowndes. 2,884,147.
- Lownsbery, John G. Holders for cans for garbage, trash, refuse, etc. 2,905,333, 9-22-59, Cl. 211-83.
- Lowrey Organ Co., The: See—  
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- Lowrie, Robert J. Surgical staple and stapler. 2,881,762, 4-14-59, Cl. 128-337.
- Lowry, Charles P.: See—  
Cox, Russell E., and Lowry. 2,905,378.
- Lowry, Edgar A., to Thompson Ramo Wooldridge Inc. Magnetic recorder mechanism. 2,912,514, 11-10-59, Cl. 179-100.2.
- Lowry, Lewis R., Jr.: See—  
Reeder, James R., Schuh, and Lowry. 2,885,568.
- Schuh, Niles F., Reeder, Lowry, and Hulsey. 2,885,569.
- Lowry, Lewis R., Jr., and G. W. Ernberger, to Westinghouse Electric Corp. Electrical generator control apparatus. 2,896,149, 7-21-59, Cl. 322-28.
- Lowther, Wilfred W., to Industrial Enterprises, Inc. Rectangular cleaners. 2,902,112, 9-1-59, Cl. 183-15.
- Loyd, Robert J.: See—  
Karasek, Francis W., and Loyd. 2,879,140.
- Lox, Walter E., to Forman, Ford & Co. Rubber-reactive pigment and drying oil protective coating compositions. 2,901,447, 8-25-59, Cl. 260-3.
- Loxham, John, to The Sigma Instrument Co. Ltd. Mechanical guiding devices. 2,894,741, 7-14-59, Cl. 267-1.
- Loy, Alvin L., Sr.: See—  
Warrick, Leon H., and Loy. 2,901,180.
- Loy, Fred W., to General Motors Corp. Method of assembling laminated stators. 2,910,767, 11-3-59, Cl. 29-155.61.
- Loyen, Roger: See—  
Hanlet, Jacques M. N., Heinisch, and Loyen. 2,919,402.
- Lozeau, Homer A., to Koehler Mfg. Co. Battery charging apparatus. 2,898,539, 8-4-59, Cl. 320-32.
- Lozinsky, Charles A. Ratchet wrench. 2,891,434, 6-23-59, Cl. 81-60.
- Lozier, Gerald S., R. Glicksman, and C. K. Morehouse, to Radio Corp. of America. Primary cells. 2,874,079, 2-17-59, Cl. 136-137.
- Lozon, Alfred W. Arrow fetching fixture. 2,869,597, 1-20-59, Cl. 144-289.
- Lubach, William F.: See—  
Kroekel, Rolf H. W., and Lubach. 2,883,213.
- Lubelle, Jack G.: See—  
Mullen, Melvin Z. 2,869,286.
- Luber-Finer Inc.: See—  
Russell, John K., and Boggs. 2,878,016.
- Luberoff, Benjamin J.: See—  
Smolin, Edwin M., and Luberoff. 2,882,299.
- Luberoff, Benjamin J., to American Cyanamid Co. Preparation of acrylic acid esters. 2,882,297, 4-14-59, Cl. 260-486.
- Luberoff, Benjamin J., to American Cyanamid Co. Preparation of acrylic acid esters. 2,882,298, 4-14-59, Cl. 260-486.
- Lubersky, Albert R., and W. H. Wilcox, to Fibreboard Paper Products Corp. Machine for setting up cartons. 2,887,022, 5-19-59, Cl. 93-53.
- Lubig, Richard. Process of making bread-like baked goods. 2,883,285, 4-21-59, Cl. 99-90.
- Lubin, Bernard L., and G. Burnet, Jr., to Commercial Solvents Corp. Process for reducing moisture content of ammonium nitrate. 2,884,999, 5-5-59, Cl. 159-47.
- Lubin, Samuel, to Sprague Electric Co. Remote monitoring amplification. 2,901,634, 8-25-59, Cl. 250-253.
- Lubkin, Samuel, to Underwood Corp. Binary serial comparator. 2,889,534, 6-2-59, Cl. 340-149.
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- Lubkin, Samuel, and E. Leonard, to Underwood Corp. Signal generator. 2,889,548, 6-2-59, Cl. 340-345.
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- Luboshez, Sergius N. F. Process for bending plastic sheet material. 2,892,217, 6-30-59, Cl. 18-56.
- Lubow, Raymond. Delay apparatus. 2,892,898, 6-30-59, Cl. 179-100.1.
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- Greenberg, Harry, and Lubowitz. 2,894,982.
- Lubowitz, Hyman R., and H. Greenberg, to National Distillers and Chemical Corp. Preparation of alkoxysuccinic acid esters. 2,894,980, 7-14-59, Cl. 260-484.
- Lubrizol Corp., The: See—  
Asseff, Peter A. 2,893,983.
- Craig, Willis G., and Miller. 2,881,200.
- Goldsmith, Fred C. 2,905,683.
- Le Suer, William M. 2,915,517.
- Miller, Clark O. 2,900,378.
- Vogel, Paul W., and Meinhardt. 2,900,406.
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- Lucarelli, Frank J. Highway guard. 2,902,669, 9-1-59, Cl. 340-22.
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- Lucas, Alfred R., to North Electric Co. Volume control unit for telephone ringer. 2,886,808, 5-12-59, Cl. 340-397.
- Lucas, Charles D. Wheel-supported advertising signs. 2,869,262, 1-20-59, Cl. 40-129.
- Lucas, Don D. Portable barbecue. 2,912,973, 11-17-59, Cl. 126-30.
- Lucas, George R. Arm rest. 2,877,049, 3-10-59, Cl. 296-49.2.
- Lucas, Ike F., to Burlington Industries, Inc. Bobbin. 2,904,283, 9-15-59, Cl. 242-125.
- Lucas, John A., to The Prime Mfg. Co. Adapter for sand trap. 2,914,351, 11-24-59, Cl. 291-11.
- Lucas, John G. Combination fish hook and bait holder. 2,896,360, 7-28-59, Cl. 43-44.2.
- Lucas, John H.: See—  
Simmonds, Wayne W. 2,867,338.
- Simmonds, Wayne W. 2,903,948.
- Simmonds, Wayne W. 2,903,949.
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- Lucas, Joseph E. Fabricated gate valve and method of making the same. 2,868,495, 1-13-59, Cl. 251-86.
- Lucas, Joseph (Industries) Ltd.: See—  
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- Clarke, John S., and Collinson. 2,867,982.
- Clarke, John S., and Jackson. 2,872,971.
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- Downing, Eric W. 2,883,088.
- Downing, Eric W., and Duddell. 2,891,701.
- Freeman, Frank G. 2,904,066.
- Hudson, Geoffrey J., and Gregory. 2,882,681.
- Lawrence, Owen N. 2,872,784.
- Prickett, Alfred D. 2,911,497.
- Watkins, Sidney C. 2,878,065.
- Lucas, Kenneth E.: See—  
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- Lucas, Robert A., to Ciba Pharmaceutical Products, Inc. Esters of reserpine acid. 2,867,622, 1-6-59, Cl. 260-287.
- Lucas-Rotax Ltd.: See—  
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- Kitchen, John A., and Denham. 2,898,978.
- Lucas, Rupert G. Gauge for piston ring grooves. 2,901,829, 9-1-59, Cl. 33-168.
- Lucas, William H.: See—  
Page, Donald J., and Lucas. 2,906,069.
- Lucassey, James F.: See—  
Hull, Maurice E., Lucassey, and Hoback. 2,897,083.
- Lucchesi, Luciano. Mechanically operated violin bow and the like. 2,917,963, 12-22-59, Cl. 84-282.
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- Luce, Yves. Liquid metering apparatus. 2,869,757, 1-20-59, Cl. 222-14.
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- Lucien, René, to Societe a responsabilite limitee Recherches Etudes Production R.E.P. Electro-valve distributor. 2,887,125, 5-19-59, Cl. 137-623.
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Luck, Ronald E.: See—  
Villiers, Joseph B., Jr., and Luck. 2,897,669.

Lücke, Josef: See—  
Lodige, Wilhelm and F., and Lücke. 2,892,443.  
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Upchurch, Edward F., and Luckenbach. 2,876,079.

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Luckhardt, Wassili: See—  
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Luckock, Vernon O., and M. R. 2,874,734.

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Lucks, Gustav E. Valve construction. 2,868,219, 1-13-59, Cl. 137-197.

Luczek, Walter: See—  
Peppone, Vincent, and Luczek. 2,911,777.

Luczek, Walter, and C. B. Cross, to Package Machinery Co. Tucking mechanism for wrapping machines. 2,911,779, 11-10-59, Cl. 53-378.

Ludbrook, Leslie C., to The British Thomson-Houston Co. Ltd. Remote angular position control system. 2,901,681, 8-25-59, Cl. 318-30.

Luddecke, Rudl. Automatically closable valve for a container having a fluid under pressure therein. 2,912,144, 11-10-59, Cl. 222-394.

Ludeke, Carl A., and L. A. Petrov, to National Distillers and Chemical Corp. Tray supports and columns containing same. 2,908,489, 10-13-59, Cl. 261-113.

Lüder, Günther: See—  
Hess, Hans, and Lüder. 2,919,006.

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Bruggmann, Albert. 2,872,064.

Ludman, Walter W., and T. Sowirka, to Philco Corp. Testing apparatus. 2,918,648, 12-22-59, Cl. 339-150.

Ludowici, Johann W. Apparatus for transporting a stack of articles into and out of a processing chamber. 2,908,524, 10-13-59, Cl. 294-63.

Ludueña, Froilan P., to Sterling Drug Inc. Parenteral composition to reduce duration of local anesthesia. 2,919,228, 12-29-59, Cl. 167-65.

Ludvigsen, Carl W., to Cutler-Hammer, Inc. Instruments for measuring electrical resistance. 2,884,594, 4-28-59, Cl. 324-62.

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Ludvigson, Merrill T., to Collins Radio Co. Automatic antenna coupler. 2,910,655, 10-27-59, Cl. 333-17.

Ludwig, Bernard J.: See—  
Berger, Frank M., and Ludwig. 2,878,280.  
Berger, Frank M., and Ludwig. 2,884,444.

Ludwig, Carl, C. H. Wheeler, and A. R. Deedman, to Ex-Cell-O Corp. Hydraulic motor with wide vane and duplicate exhaust ports and special seals. 2,902,009, 9-1-59, Cl. 121-97.

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Cumming, James M., and Ludwig. 2,900,509.

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Ludwig, Louis. Outlet winker. 2,894,098, 7-7-59, Cl. 200-115.3.

Ludwig, Milton: See—  
Cunningham, John R., and Ludwig. 2,907,644.

Ludwig, Milton, to Standard Oil Co. of California. Method for recovering asphaltic materials from aqueous mixtures. 2,919,239, 12-29-59, Cl. 208-39.

Ludwig, Walter D. Hand valve. 2,872,944, 2-10-59, Cl. 137-625.47.

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Hurwitz, Henry, Jr., Brooks, Mannal, Payne, and Luebke. 2,879,216.

Luebke, Emmeth A., and L. B. Vandenberg, to United States of America, Atomic Energy Commission. Neutronic reactor producing thermoelectric power. 2,902,423, 9-1-59, Cl. 204-193.2.

Luebke, George C. Drafting device. 2,883,754, 4-28-59, Cl. 33-104.

Lueck, Irving B., and M. Friedman, to Bausch & Lomb Optical Co. Method and apparatus for toughening lenses. 2,886,921, 5-19-59, Cl. 49-45.

Lueders, Oscar W. Socket adapter arrangement. 2,875,278, 2-24-59, Cl. 179-1.

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Rittenhouse, Joseph W., and Luehring. 2,918,588.

Luehring, Elmer L., and H. E. Poe, to Hi-Voltage Equipment Co. Tandem vacuum switches. 2,915,611, 12-1-59, Cl. 200-145.

Luehrs, Hans J., to The Cottrell Co. Gripper assemblies. 2,906,204, 9-29-59, Cl. 101-409.

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Luenberger, Frederick O., to U.S. Electrical Motors, Inc. Dynamoelectric machinery having a supplemental saturable core rotor. 2,912,631, 11-10-59, Cl. 318-232.

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Luetzelshwab, Edgar J.: See—  
Uhl, Roy B., and Luetzelshwab. 2,896,657.

Lufey, Carroll W. Magnetic transducer head for tape recording, playback and erasing. 2,912,515, 11-10-59, Cl. 179-100.2.

Lufkin Foundry & Machine Co.: See—  
Cluck, John M., Jr., and Miles. 2,913,132.

Lufkin, Paul M., and D. E. Stubbins, to Radio Corp. of America. Cathode ray tube deflection and high voltage apparatus. 2,872,615, 2-3-59, Cl. 315-27.

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Zelnick, Charles. 2,876,552.  
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Lufit, Sanford B., to Hughes Aircraft Co. Logarithmic amplifier. 2,879,385, 3-24-59, Cl. 250-27.

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Breuning, Ernst G. 2,872,642.

Luger, Norbert J. Collapsible pontoon boat. 2,876,728, 3-10-59, Cl. 114-61.

Lugli, Giuseppe, to Pirelli Società per Azioni. Pneumatic vehicle wheel tires. 2,874,742, 2-24-59, Cl. 152-176.

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Luljckx, Willem L. M., and N. G. Kramer, to Shell Development Co. Preparation of aldrin. 2,917,552, 12-15-59, Cl. 260-648.

Lulka, Ralph II.: See—  
Wilson, John W. 2,867,214.

Lukas, George: See—  
Hamilton, Edgar K., and Lukas. 2,887,508.

Lukas, Alex.: See—  
Lewis, Sheldon H., Van Ness, and Lukas. 2,901,396.

Luke, Oren V., Jr., G. B. Ulvild, and J. S. MacKenzie, to Celanese Corp. of America. Purification of acetic acid by azeotropic distillation. 2,893,923, 7-7-59, Cl. 202-42.

Lukens, C. Dewitt, Surgical Mfg. Co., The: See—  
Harkness, Reed B., and Lacey. 2,870,906.

Lukens, Frederick E., to Spring Packing Corp. Box lubricator pad for journals in railway cars. 2,915,343, 12-1-59, Cl. 308-88.

Lukens Steel Co.: See—  
McGlynn, James J. 2,904,880.  
Petrovich, Anton I. 2,879,375.  
Petrovich, Anton I. 2,879,376.

Lukes, James J.: See—  
Zinn, Eli, and Lukes. 2,914,574.

Lukk, Georges G., C. H. Caesar, and S. Illyckij, to Esso Research and Engineering Co. Process for sweetening naphthas. 2,908,637, 10-13-59, Cl. 208-203.

Lukoff, Herman, to Sperry Rand Corp. Light indicator for electrical signals. 2,891,242, 6-16-59, Cl. 340-366.

Lukman, John C.: See—  
Cahill, Richard H., De Fazio, and Lukman. 2,909,507.

Lulay, Arthur: See—  
Lohr, Wilmer M., and Lulay. 2,878,548.

Lum, David W., and I. L. Mador, to National Distillers and Chemical Corp. Preparation of N-substituted hydrazine derivatives. 2,917,545, 12-15-59, Cl. 260-583.

Lum, Funston G.: See—  
Butler, Judson C., Lum, and Carlston. 2,878,235.  
Schlatter, Maurice J., and Lum. 2,895,932.

Lum, Walter O., to Arthur C. Homeyer. Valves. 2,868,223, 1-13-59, Cl. 137-454.6.

Lumber Fabricators, Inc.: See—  
Odegard, John C., and Grobert. 2,872,714.

Luminous Ceilings, Inc.: See—  
Rosenstein, Arthur L. 2,892,077.

Lumum Co., The: See—  
Korpi, Karl J., and Johnson. 2,890,952.  
Kraft, Wheaton W. 2,881,136.  
Maxwell, Carl A., and Parrisan. 2,886,067.  
Mekler, Valentine, Schutte, and Korpi. 2,908,625.  
Worn, George A., and Evans. 2,916,260.

Lummus Cotton Gin Co.: See—  
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Vandergriff, Arvel L., and Van Doorn. 2,912,720.  
Van Doorn, Donald W. 2,908,058.  
Van Doorn, Donald W., and Pease. 2,882,816.

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Schwienbacher, Georges. 2,903,954.

Luna, Kenneth E.: See—  
Patterson, Milton E., Luna, and Ishler. 2,901,375.

Luna, William T. Extension attachment for vehicle jacks. 2,882,012, 4-14-59, Cl. 254-133.

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Lund, Arthur W. Combined ladder and scaffold sling support. 2,908,345, 10-13-59, Cl. 182-214.

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Lund, Edward J. Display easel. 2,880,534, 4-7-59, Cl. 40-124.1.

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Lund, Jack: See—  
Cooper, Bruce L., and Lund. 2,878,339.

Lund, Lyle W.: See—  
Graving, Robert S., and Lund. 2,895,694.

Lund, Theodore J.: See—  
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Lundahl, Arthur C.: See—  
Sawyer, Donald W., and Lundahl. 2,871,563.

Lundahl, Carl and S., to Allmanna Svenska Elektriska Aktiebolaget. Method for joining electrodes. 2,914,654, 11-24-59, Cl. 219-136.

Lundahl, Ossian: See—  
Ensign, George G., Soper, and Lundahl. 2,883,827.

Lundberg, Bonnie. Hanger for drawings. 2,913,123, 11-17-59, Cl. 211-48.

Lundberg, Hans T. F., R. W. Pringle, K. I. Roulston, and G. M. Brownell. Aerial geophysical exploration with scintillation spectrometer. 2,897,368, 7-28-59, Cl. 250-71.

Lundborg, Carl J., to Anaconda Aluminum Co. Measuring means for the bath resistance of aluminum reduction cells. 2,918,421, 12-22-59, Cl. 204-225.

Lundborg, Gustav L. Water ski pole. 2,893,021, 7-7-59, Cl. 9-24.

Lundburg, Frank J.: See—  
De Rosa, Louis A., Masonson, and Lundburg. 2,915,750.

Lundburg, Frank J., to International Telephone and Telegraph Corp. Radio frequency delay line. 2,916,615, 12-8-59, Cl. 250-15.

Lunde, Earl N. Picking and grappling device. 2,905,498, 9-22-59, Cl. 294-19.

Lunde, Einar, and W. T. Nichols, to The Trane Co. Centrifugal blower wheel. 2,884,187, 4-28-59, Cl. 230-134.

Lunde, Einar, and W. T. Nichols, to The Trane Co. Centrifugal blower wheel structure. 2,894,651, 7-14-59, Cl. 230-134.

Lunde, Einar O., to Magor Car Corp. Door operating motor means for gable bottom cars. 2,893,327, 7-7-59, Cl. 105-240.

Lunde, Kenneth E., to Dohrmann Hotel Supply Co. Grease extracting ventilator for kitchen ranges. 2,889,007, 6-2-59, Cl. 183-37.

Lundeborg, Edgar C. Typewriter ribbon shield. 2,884,112, 4-28-59, Cl. 197-170.

Lundeen, Chester A., to Borg-Warner Corp. Jerk and safety line retaining means for tongs. 2,875,657, 3-3-59, Cl. 81-53.

Lundeen, Gottfried M. Cleaning and scouring device. 2,909,799, 10-27-59, Cl. 15-164.

Lundeen, Stanley A. Automatic water softening system. 2,902,155, 9-1-59, Cl. 210-105.

Lundell, Vernon J. Rotary row crop chopper. 2,880,561, 4-7-59, Cl. 56-16.

Lundell, Vernon J. Corn chopper. 2,888,795, 6-2-59, Cl. 56-23.

Lundell, Vernon J. Hay chopper. 2,906,005, 9-29-59, Cl. 56-505.

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Lunden, Robert K. Baby nursing and feeding bottle. 2,907,485, 10-6-59, Cl. 215-11.

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Lundgren, Axel G. Suspending folders. 2,889,832, 6-9-59, Cl. 129-16.7.

Lundgren, Bruce H., and M. M. Hann, to Sundstrand Machine Tool Co. Porting arrangement for hydraulic pumps and motors. 2,896,546, 7-28-59, Cl. 103-162.

Lundgren, Charlie N. Suspension bridging structure. 2,914,816, 12-1-59, Cl. 20-9.

Lundgren, Claes E. G.: See—  
Arborelius, Mans M., and Lundgren. 2,896,616.

Lundgren, Harold P.: See—  
Moore, Joseph E., and Lundgren. 2,888,315.

Lundgren, Herbert K. Window sash mounting. 2,879,559, 3-31-59, Cl. 20-52.2.

Lundgren, Herbert K. Balance spring construction for window sash. 2,890,502, 6-16-59, Cl. 20-52.

Lundgren, Herbert K. Window construction. 2,907,079, 10-6-59, Cl. 20-52.2.

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Lundgren, Robert H. Ladder attachment. 2,870,948, 1-27-59, Cl. 228-60.

Lundhal, Sven: See—  
Lundahl, Carl and S. 2,914,654.

Lundholm, Josef E. Magnetic door latch. 2,894,778, 7-14-59, Cl. 292-251.5.

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Lundmark, Johan F. S.: See—  
Danielsson, Karl E. H., and Lundmark. 2,885,145.

Lundquist, Birger H., and R. E. Fentner. Dental pattern. 2,889,598, 6-9-59, Cl. 22-164.

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Sherwood, Robert C., and Lundquist. 2,872,364.

Lundquist, Sven A.: See—  
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Lundy, Arthur J., to Short Brothers & Harland Ltd. Stands. 2,890,850, 6-16-59, Cl. 248-166.

Lundy, Rodney R., and H. R. Miller, to John W. Bolton & Sons, Inc. Adjustable port valve. 2,917,069, 12-15-59, Cl. 137-240.

Lundy, Warren J., and K. I. Swan, to United States Rubber Co. Screen conveyor. 2,880,848, 4-7-59, Cl. 198-131.

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Lunkenheimer, Carl J.: See—  
Vann, James K., Sr., and Lunkenheimer. 2,885,111.

Lunn, Clarence R., to General Motors Corp. Carburetor float mechanism. 2,873,957, 2-17-59, Cl. 261-69.

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- Lunn, Richard T., to A.C.E. Machinery Ltd. Power-operated mobile hoists. 2,905,272, 9-22-59, Cl. 187-11.
- Lunsford, Carl D., to A. H. Robins Co., Inc. Substituted amino alcohols. 2,878,264, 3-17-59, Cl. 260-326.5.
- Lunsford, Carl D., to A. H. Robins Co., Inc. Certain esters of amino alcohols. 2,882,276, 4-14-59, Cl. 260-326.3.
- Lunsford, Carl D., to A. H. Robins Co., Inc. Method of production of 5-o-methoxyphenoxymethyl-2-oxazolidone. 2,895,960, 7-21-59, Cl. 260-307.
- Lunsford, Charles L.: See—
- Woodard, George W., and Lunsford. 2,880,102.
- Lunsford, Clyde H. Retractable emergency light. 2,918,566, 12-22-59, Cl. 240-7.1.
- Lunzer, Frederic A., to DeJur-Amsco Corp. Motion picture film drive. 2,893,287, 7-7-59, Cl. 88-18.4.
- Luoma, Aarne A., and J. G. Williams, to Worthington Corp. Pressure responsive valve. 2,890,014, 6-9-59, Cl. 251-14.
- Lupar Product, Inc.: See—
- Bunting, Arthur R. 2,887,911.
- Lupfer, Dale E., to Phillips Petroleum Co. Pneumatic telemetering apparatus. 2,890,707, 6-16-59, Cl. 137-86.
- Lupfer, Dale E., and E. A. Houser, to Phillips Petroleum Co. Gas analyzer. 2,880,073, 3-31-59, Cl. 23-254.
- Lupfer, Dale E., and D. M. Vesper, to Phillips Petroleum Co. Automatic time-temperature curve apparatus. 2,885,885, 5-12-59, Cl. 73-17.
- Lupfer, Dale E., and E. D. Tolin, to Phillips Petroleum Co. Multistream analyzer with stream switching apparatus. 2,890,617, 6-16-59, Cl. 88-14.
- Lupo, Fritz J., to Feedmatic Inc. Rotary device and torque transmission means therefor. 2,889,075, 6-2-59, Cl. 221-182.
- Lurgi Gesellschaft für Chemie und Huttenwesen m.b.H.: See—
- Schyttil, Franz. 2,916,372.
- Lurgi Gesellschaft für Wärmetechnik m. b. H.: See—
- Schnur, Friedrich. 2,870,185.
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- Lurie, Daniel: See—
- Friedman, Aaron, Lurie, and Dale. 2,907,160.
- Lurie, David, to American Cyanamid Co. Alum containing antioxidant and manufacture of sized paper therewith. 2,875,045, 2-24-59, Cl. 92-21.
- Lurie, Robert, to Campbell-Lurie Plastics, Inc. Meat packaging and the like. 2,918,379, 12-22-59, Cl. 99-174.
- Lurie, Robert J.: See—
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- Tull, William J., Frederick, McKay, and Lurie. 2,915,748.
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- Kosowsky, David I., and Luscher. 2,913,677.
- Luscombe, Arthur J. Portable feed mixer. 2,896,923, 7-28-59, Cl. 250-8.
- Lusk, Charles E. Land levelling apparatus. 2,880,528, 4-7-59, Cl. 37-169.
- Luskin, Leo S.: See—
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- Matlin, Nathaniel A., and Luskin. 2,888,314.
- Luskin, Leo S., to Rohm & Haas Co. 2-isothiocyanatoliscamphane. 2,885,428, 5-5-59, Cl. 260-454.
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- Lusted, Emile W., to Fuller Co. Pressure equalizer for discharge vessels. 2,915,340, 12-1-59, Cl. 302-53.
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- Lustig, Walter R. 2,890,476.
- Lustig, Frank: See—
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- Lustig, Frank C., to Revere Camera Co. Sensing device. 2,910,957, 11-3-59, Cl. 116-114.
- Lustig, Howard E., and W. F. Weber, to Sperry Rand Corp., Ford Instrument Co. Division. Punched card resistance matrix function generator. 2,887,552, 5-19-59, Cl. 201-48.
- Lustig, Walter R., deceased, by E. Lustig, administratrix, to Atwood Vacuum Machine Co. Hinged lid and hood supports for motor vehicles. 2,890,476, 6-16-59, Cl. 16-128.1.
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- Neumann, Ernest P., and Lustwerk. 2,888,191.
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- Luther, Paul E. Apparatus and method of filling containers. 2,880,766, 4-7-59, Cl. 141-292.
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- Luther-Werke, Luther & Jordan: See—
- Jordan, Walter. 2,869,815.
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- Luthi, Hans, to Hoffmann-La Roche Inc. Additive and method for improving wine production. 2,908,574, 10-13-59, Cl. 99-35.
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- Lutz, Frederick W., to Leetronics, Inc. Dispensing device. 2,900,116, 8-18-59, Cl. 222-477.
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- Lux, Eugene J. Vending machines. 2,873,012, 2-10-59, Cl. 194-2.
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- Lyon, George A. Bomb tail construction. 2,873,674, 2-17-59, Cl. 102-2.



- Lyon, George A. Rocket gun. 2,876,678, 3-10-59, Cl. 37-17.
- Lyon, George A. Bomb head base structure. 2,876,699, 3-10-59, Cl. 102-2.
- Lyon, George A. Wheel cover. 2,878,072, 3-17-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,878,073, 3-17-59, Cl. 301-37.
- Lyon, George A. Apparatus for making wheel covers. 2,878,789, 3-24-59, Cl. 113-48.
- Lyon, George A. Wheel cover. 2,879,107, 3-24-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,879,108, 3-24-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,881,026, 4-7-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,881,027, 4-7-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,882,095, 4-14-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,882,096, 4-14-59, Cl. 301-37.
- Lyon, George A. Method of making a spoked wheel cover. 2,882,852, 4-21-59, Cl. 113-116.
- Lyon, George A. Wheel cover. 2,883,238, 4-21-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,883,239, 4-21-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,884,281, 4-28-59, Cl. 301-37.
- Lyon, George A. Air circulating wheel structure. 2,885,038, 5-5-59, Cl. 188-264.
- Lyon, George A. Wheel cover. 2,885,245, 5-5-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,886,376, 5-12-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,890,912, 6-16-59, Cl. 301-37.
- Lyon, George A. Projectile structure. 2,892,409, 6-30-59, Cl. 102-49.
- Lyon, George A. Wheel cover. 2,893,785, 7-7-59, Cl. 301-37.
- Lyon, George A. Wheel structure. 2,894,786, 7-14-59, Cl. 301-37.
- Lyon, George A. Bomb head construction. 2,895,418, 7-21-59, Cl. 102-2.
- Lyon, George A. Wheel cover. 2,898,149, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,150, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,151, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,152, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,153, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,154, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,155, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,898,156, 8-4-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,900,208, 8-18-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,901,291, 8-25-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,902,317, 9-1-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,902,318, 9-1-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,902,387, 9-1-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,904,372, 9-15-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,906,559, 9-29-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,906,560, 9-29-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,907,603, 10-6-59, Cl. 301-37.
- Lyon, George A. Wheel cover and method and means for making same. 2,911,257, 11-3-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,911,258, 11-3-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,911,259, 11-3-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,911,260, 11-3-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,911,261, 11-3-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,912,278, 11-10-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,912,279, 11-10-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,912,280, 11-10-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,912,281, 11-10-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,914,355, 11-24-59, Cl. 301-37.
- Lyon, George A. Wheel cover. 2,914,356, 11-24-59, Cl. 301-37.
- Lyon, George A. Method of making cartridge cases and like articles. 2,915,424, 12-1-59, Cl. 148-12.
- Lyon, George A. Wheel cover. 2,916,328, 12-8-59, Cl. 301-37.
- Lyon, George A. Method of making bomb head shells. 2,916,799, 12-15-59, Cl. 29-1.3.
- Lyon, George A., Jr. Sink construction. 2,880,559, 6-9-59, Cl. 4-187.
- Lyon, George A., Jr. Sink construction and method. 2,908,019, 10-13-59, Cl. 4-187.
- Lyon, George A., Jr. Automotive cooling system. 2,913,065, 11-17-59, Cl. 180-54.
- Lyon, George A., Jr., to Lyon Inc. Wheel cover. 2,917,341, 12-15-59, Cl. 301-37.
- Lyon, Inc.: See—  
Celovsky, Michael J. 2,873,709.  
Lyon, George A., Jr. 2,917,341.  
Martin, Wayne A. 2,913,804.  
Wisniewski, John C. 2,882,653.
- Lyon, Lucien L., to R. W. Walsh. Reciprocating sander. 2,870,581, 1-27-59, Cl. 51-170.
- Lyon, Luther L., Jr.: See—  
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- Lyon, Luther L., Jr., and R. W. Qualley, to The Coleman Co., Inc. Closed vessel curing of concrete. 2,917,778, 12-22-59, Cl. 18-47.5.
- Lyon Metal Products, Inc.: See—  
O'Connor, John B. 2,868,605.
- Lyon, William H., to The Soundsciber Corp. Long time recorder having fixed transducer heads and yieldable tape pressure shoe. 2,892,901, 6-30-59, Cl. 179-100.2.
- Lyon, William H., to The Soundsciber Corp. Long time continuous magnetic recording with delayed monitoring. 2,897,287, 7-28-59, Cl. 179-100.2.
- Lyon, William H., to The Soundsciber Corp. Automatic tracking device for transverse sound track tape recorders. 2,897,280, 7-28-59, Cl. 179-100.2.
- Lyon, William H., to The Soundsciber Corp. Dual channel magnetic tape recorder. 2,915,595, 12-1-59, Cl. 179-100.2.
- Lyon, William H., and L. E. Nagy, to The Soundsciber Corp. Coated sheet magnetic recorder. 2,915,596, 12-1-59, Cl. 179-100.2.
- Lions, Allan J., to Metallizing Co. of America. Method and apparatus for applying solder. 2,891,308, 6-23-59, Cl. 29-497.
- Lions, Daniel J.: See—  
Anderson, Herbert M., Draemel, and Lyons. 2,914,469.
- Lyons, Douglas A., Loud speaker systems. 2,904,124, 9-15-59, Cl. 181-31.
- Lyons, Duane T.: See—  
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- Lyons, Evereth L.: See—  
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- Lyons, Harold D.: See—  
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Nowlin, Gene, and Lyons. 2,918,458.  
Nowlin, Gene, and Lyons. 2,918,459.
- Lyons, Harold R.: See—  
Gibson, Glenn J., and Lyons. 2,907,865.  
Rothschild, Gilbert R., and Lyons. 2,907,864.
- Lyons, Harold R., to Air Reduction Co., Inc. Electric arc welding. 2,882,385, 4-14-59, Cl. 219-74.
- Lyons, J., & Co. Ltd.: See—  
Boon, Harold A. 2,903,370.
- Lyons, John W., to Monsanto Chemical Co. Improving the physical properties of clay soils by treating with alkenyl polyamines. 2,898,706, 8-11-59, Cl. 47-58.
- Lyons, John W., to Monsanto Chemical Co. Soil stabilization. 2,899,329, 8-11-59, Cl. 106-287.
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- Lyons, Joseph F.: See—  
Odell, Norman R., and Lyons. 2,908,644.
- Lyons, Joseph F., P. R. Thomas, and N. R. Odell, to The Texas Co. Lubricating greases thickened with benzidine diazo compounds. 2,880,177, 3-31-59, Cl. 252-49.9.
- Lyons, Joseph F., and N. R. Odell, to Texaco Inc. Lubricating grease thickened with ultramarine blue. 2,892,776, 6-30-59, Cl. 252-28.
- Lyons, Lawrence J., to Fairbanks, Morse & Co. Weighing scale system. 2,873,107, 2-10-59, Cl. 245-70.
- Lyons, Lawrence J., to Fairbanks, Morse & Co. Conveyor weighing scale. 2,882,036, 4-15-59, Cl. 265-28.
- Lyons, Leland R.: See—  
Schlotthauer, Joseph S., Snyder, and Lyons. 2,897,918.
- Lyons, Norma W.: See—  
Lyons, Richard C. and N. W. 2,915,065.
- Lyons, Richard C. and N. W. Surgical device. 2,915,065, 12-1-59, Cl. 128-275.
- Lyons, Sanford C., to Georgia Kaolin Co. Method of treating kaolin clay. 2,904,267, 9-15-59, Cl. 241-26.
- Lyons, Sanford C., to Georgia Kaolin Co. Method of handling and conditioning paper making clay for use. 2,915,412, 12-1-59, Cl. 106-286.
- Lyons, Sanford C., to Georgia Kaolin Co. Method of blunging clay. 2,916,214, 12-8-59, Cl. 241-16.

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Bauer, Armand C. 2,916,008.
- Lyons, Vincent J.: See—  
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- Lyons, William. Variable illuminating mirror. 2,879,379, 3-24-59, Cl. 240-4.2.
- Lyons, William C., to The Bilco Co. Stringer and template for stair construction. 2,879,556, 3-31-59, Cl. 20-10.
- Lyons, William E.: See—  
Glasbrenner, Frederick K., and Lyons. 2,897,672.
- Lyrizis, Nikolaos. Combination spare and service tail shaft assembly. 2,873,587, 2-17-59, Cl. 64-1.
- Lysett, Daniel W.: See—  
Stevenson, James R., Lysett, and Zeidler. 2,880,833.
- Zeidler, Reinhold C., and Lysett. 2,917,001.
- Lysett, Daniel W., to Borg-Warner Corp. Friction clutches. 2,895,581, 7-21-59, Cl. 192-99.
- Lysholm, Alf. Combustion chamber inlet for thermal power plants. 2,907,171, 10-6-59, Cl. 60-39.65.
- Lysle, Audrey A.: See—  
Lysle, Edmund H. 2,906,165.
- Lysle, Edmund H., deceased, by A. A. Lysle, administratrix. Optical rectifier apparatus. 2,906,165, 9-29-59, Cl. 88-18.8.
- Lysie, Gordon, and C. M. Tuttle, to Specialties, Inc. Packaging of solutions in fiber web rolls. 2,906,399, 9-29-59, Cl. 206-59.
- Lysohey, John. Manufacture of flexible-walled tubing. 2,903,743, 9-15-59, Cl. 18-19.
- Lyster, Thomas C.: See—  
Miller, Charles F., and Lyster. 2,895,317.
- Lyta-Werke G.m.b.H.: See—  
Eber, Hans, and Ruf. 2,894,428.
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- Lytle, Lawrence D., and R. E. Brouillard, to General Aniline & Film Corp. Transforming oxazine dyestuff bases to pigments. 2,918,465, 12-22-59, Cl. 260-246.
- Lytle, Melba L.: See—  
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- Priest, Gerald G., Morgan, Lytle, Caldwell, and Birdwell. 2,898,294.
- Lytle, William O., to Pittsburgh Plate Glass Co. Method of producing transparent electroconductive articles. 2,894,858, 7-14-59, Cl. 117-211.
- Lytollis, John: See—  
Beck, Arnold H. W., Jackson, and Lytollis. 2,898,502.
- Lytollis, James C., to Toronto Type Foundry. Machine control means including work feed programming means. 2,916,801, 12-15-59, Cl. 29-93.
- Lytton, Kenneth G., to Fiber Controls Corp. Fiber tinter. 2,873,483, 2-17-59, Cl. 19-66.
- Lytton, Marion R.: See—  
Koch, Walter T., Lytton, and Willecki. 2,892,814.
- Lytton, Marion R., to American Viscose Corp. Method of producing all skin rayon. 2,890,131, 6-9-59, Cl. 106-165.
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- Lyvers, Garland E. Two-cycle gasoline engine. 2,899,946, 8-18-59, Cl. 123-65.
- MABEG Maschinenbau G.m.b.H.: See—  
Schwebel, Adolf. 2,900,186.
- M.A.N. Maschinenfabrik Augsburg-Nürnberg AG: See—  
Ernst, Hellmut, Zapp, and Kropik. 2,880,963.
- Konrad, Jakob, and Ramundt. 2,886,014.
- Köppel, Walter, and Ott. 2,898,895.
- Kubla, Herbert. 2,913,069.
- Liebel, Julius. 2,893,268.
- Meurer, Siegfried. 2,882,106.
- Scheuerpflug, Hans. 2,910,189.
- Schleicher, Alfred, and Fleischmann. 2,887,229.
- M-B Corp.: See—  
Weir, James F. 2,909,295.
- M & D Store Fixtures, Inc.: See—  
Mapson, Donald L. 2,907,537.
- M.E.P. Co. Ltd.: See—  
May, Ernest C. 2,909,139.
- M & F Mfg. Co., The: See—  
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- MLK Corp.: See—  
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- M & M Research and Development Co.: See—  
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- M-O Valve Co. Ltd.: See—  
Baker, John E., Hogg, and Kettlewell. 2,887,615.
- Clarke, Graham M. 2,898,507.
- Dix, Cyril H., and Heathcote. 2,899,604.
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Manas, Herman D. 2,873,040.
- M.S.A. Research Corp.: See—  
Bovard, Robert M. 2,889,210.
- M. S. S. Recording Co. Ltd.: See—  
Mee, Charles D. 2,873,319.
- M.W.P. Appliances, Inc.: See—  
Pulkin, Matthew W. 2,889,099.
- M-W Sales: See—  
Dawson, Orrie W. 2,911,770.
- Maag Gear-Wheel and Machinery Co., Ltd.: See—  
Müller, Karl, and Rötheli. 2,881,530.
- Maag, John H. Flat truss. 2,902,951, 9-8-59, Cl. 108-023.
- Maag, Walter, to H. A. Schlatter Aktiengesellschaft. Program timing control circuit. 2,913,627, 11-17-59, Cl. 315-84.5.
- Maag, Willi: See—  
Held, Fritz, Petermann, and Maag. 2,897,778.
- Maag-Zahnrad- und Maschinen Akt.: See—  
Aeppli, Albert. 2,879,630.
- Maartens, Johannes H. J.: See—  
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- Maas, Bernard N., to The Garrett Corp. Pressure regulating mechanism. 2,883,920, 4-28-59, Cl. 98-1.5.
- Maas, Bernard N., J. H. Damiani, and A. Silver, to The Garrett Corp. Butterfly valve construction. 2,907,548, 10-6-59, Cl. 251-85.
- Maas, Friedrich J., and J. Schedling, to Messen-Jaschin, G. A. Apparatus for electrically separating matter and condensation cores suspended in a gas. 2,868,317, 1-13-59, Cl. 183-7.
- Maas, Louis A., to Maas Organ Co., d.b.a. Maas-Rowe Carillons. Periodic chime control mechanism. 2,915,872, 12-8-59, Cl. 58-38.
- Maas Organ Co.: See—  
Maas, Louis A. 2,915,872.
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Maas, Louis A. 2,915,872.
- Maaz, Karl: See—  
Kuhrt, Friedrich, and Maaz. 2,886,779.
- Mabry, Theron W. Fibreglass cap. 2,893,014, 7-7-59, Cl. 2-200.
- Mabs, Inc.: See—  
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- MacAleese, Robert H., to Syndicate Glass Inc. Removable shelf retainer construction. 2,891,680, 6-23-59, Cl. 211-135.
- MacAllister, Robert V., and C. J. Reichenwallner, to General Foods Corp. Force-deformation measuring apparatus. 2,912,855, 11-17-59, Cl. 73-89.
- Macan, Albert L.: See—  
Jublin, Arthur H., and Macan. 2,900,043.
- MacArthur, James G., to Spencer Chemical Co. Process and compositions for improving clay products. 2,899,324, 8-11-59, Cl. 106-72.
- MacArthur, John D.: See—  
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- MacArthur, Vera: See—  
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- MacBride, Herbert L., to Sylvania Electric Products Inc. Taping machine. 2,909,019, 10-20-59, Cl. 53-198.
- Maccaferri, Mario: See—  
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- Maccaferri, Mario. Moisture sealing wall tile. 2,880,607, 4-7-59, Cl. 72-18.
- MacCaffray, Rex S., Jr., to C. H. Masland and Sons. Method of producing a fabric by warp knitting. 2,891,396, 6-23-59, Cl. 66-85.
- MacCaffray, Rex S., Jr., to C. H. Masland & Sons. Warp knitting machine using cutting plush point. 2,907,191, 10-6-59, Cl. 66-85.
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- MacCarone, Fred. Shoemaking. 2,872,746, 2-10-59, Cl. 36-76.
- MacClamroch, James G. W.: See—  
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- MacClatchie Mfg. Co.: See—  
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- Leathers, Clarence H., and Shellman. 2,888,235.
- Von Almen, Russell S., and Leathers. 2,898,082.
- Macco Corp.: See—  
Greiner, Leroy J., and Ebbage. 2,873,437.
- Macco Oil Tool Co., Inc.: See—  
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- MacCormack, Henry E., to International Business Machines Corp. Soldering flux. 2,890,141, 6-9-59, Cl. 148-23.
- MacCormack, Kenneth E., to National Research Council. Reactivation of poisoned silver catalysts for the oxidation of ethylene. 2,895,918, 7-21-59, Cl. 252-412.
- MacCormack, Robert S., Jr.: See—  
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- MacCracken, Calvin D., to Jet-Heat, Inc. Personal thermal devices. 2,885,189, 5-5-59, Cl. 257-215.
- MacCracken, Calvin D., to Jet-Heat, Inc. Heat storage water heater. 2,911,513, 11-3-59, Cl. 219-39.
- MacCracken, Calvin D., to Jet-Heat, Inc. Liquid heating systems. 2,918,219, 12-22-59, Cl. 237-64.
- MacCracken, Calvin D., and G. N. Miles, to Jet-Heat, Inc. Hot water heating systems. 2,889,116, 6-2-59, Cl. 237-8.
- MacCurdy, William I., to United States Steel Corp. Article transfer mechanism. 2,883,031, 4-21-59, Cl. 198-20.
- MacCurdy, William K., to Southern Pacific Co. Draft gear for railroad cars. 2,911,112, 11-3-59, Cl. 213-8.



- MacCurdy, William K., to Southern Pacific Co. Draft gear for railroad cars. 2,911,113, 11-3-59, Cl. 213-8.
- MacDermid, Henry L. Progressive scriber. 2,894,329, 7-14-59, Cl. 33-41.
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- Macdonald, Angus A.: See—
- Jacobsen, Andrew B., and Macdonald. 2,912,571.
- MacDonald, Dennison H., to Revere Corp. of America. Electric weighing cell. 2,867,707, 1-6-59, Cl. 201-63.
- MacDonald, Dennison H., to Revere Corp. of America. Flow meters. 2,896,084, 7-21-59, Cl. 250-43.5.
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- MacDonald, Donald C., to United States Rubber Co. Transmission. 2,903,901, 9-15-59, Cl. 74-368.
- MacDonald, Duncan N.: See—
- Lahti, Arvo A., and MacDonald. 2,873,439.
- MacDonald, Duncan N., to Burroughs Corp. Reel supporting spindle. 2,882,078, 4-14-59, Cl. 287-53.
- MacDonald, Duncan N., to Burroughs Corp. Tape storage bin. 2,889,491, 6-2-59, Cl. 317-2.
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- MacDonald, Duncan N., to Consolidated Electrodynamics Corp. Stepping motor. 2,914,687, 11-24-59, Cl. 310-22.
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- Macdonald, Ian S. Devices for use in spinner bait fishing. 2,886,915, 5-19-59, Cl. 43-13.13.
- Macdonald, James R., to Texas Instruments Inc. Transistor. 2,882,465, 4-14-59, Cl. 317-235.
- Macdonald, James R., to Texas Instruments Inc. Convertible amplifier to plural channel and to push-pull. 2,906,831, 9-29-59, Cl. 179-171.
- Macdonald, John G., to The Dominion Road Machinery Co., Ltd. Snow blower. 2,882,620, 4-21-59, Cl. 37-43.
- Macdonald, John G. Synchronizing and phasing mechanisms for free piston engines. 2,904,022, 9-15-59, Cl. 123-46.
- Macdonald, John L., to United States of America, Army. Cartridge positioning cam for automatic revolver guns. 2,892,385, 6-30-59, Cl. 89-137.
- Macdonald, Lee H., to The Upjohn Co. Nitrate stabilized ascorbic acid-cyanocobalamin compositions. 2,914,446, 11-24-59, Cl. 167-81.
- MacDonald, Robert A., and T. H. Stewart, to International Minerals & Chemical Corp. Granulation of fertilizers. 2,893,858, 7-7-59, Cl. 71-64.
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- Kubicek, Michael A., and MacDonald. 2,893,972.
- MacDonald, Robert N., to E. I. du Pont de Nemours and Co. Stabilization of polyoxymethylenes with phenols. 2,871,220, 1-27-59, Cl. 260-45.95.
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- MacDonald, Walter. Textile drafting apparatus. 2,911,685, 11-10-59, Cl. 19-131.
- MacDonnell, Gordon S., to Digital Control Systems, Inc. Packaged electronic circuit. 2,892,131, 6-23-59, Cl. 317-101.
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- MacDonough, Francis X., and L. M. Vant, to Romac Laboratories Inc. Fixture for magnetizing toroidal permanent magnets. 2,897,417, 7-28-59, Cl. 317-203.
- MacDougall, Alexander, and J. H. Rothrock. Tray for wafers. 2,880,880, 4-7-59, Cl. 211-49.
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- MacFadyen, Peter: See—
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- Welty, Albert B., Jr., and MacLaren. 2,904,503.
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- Macomson, Wistar W., to Patex Corp. Means for treating web materials. 2,904,981, 9-22-59, Cl. 68-3.
- Macon, John S., to Burlington Industries, Inc. Two-feed knitting machine. 2,911,806, 11-10-59, Cl. 66-42.
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- MacWood, George E., to Olin Mathieson Chemical Corp. Process for the recovery of diborane. 2,894,822, 7-14-59, Cl. 23-204.
- MacWood, George E., C. D. Wilder, and D. Altman, to United States of America. Atomic Energy Commission. Process for recovering uranium. 2,879,130, 3-24-59, Cl. 23-14.5.
- Macy, Donald, to Artercraft Venetian Blind Mfg. Co. Combined awning and shutter construction. 2,906,323, 9-29-59, Cl. 160-62.
- Macy, Donald, to Artercraft Venetian Blind Mfg. Co. of St. Louis. Pull cord for roll-up awnings. 2,908,327, 10-13-59, Cl. 160-133.
- Macy, Donald, and H. Nelson, to Artercraft Venetian Blind Mfg. Co. of St. Louis. Roll-up awning supporting bracket. 2,880,795, 4-7-59, Cl. 160-50.
- Macy, James C., to Ideco, Inc. Slide fastener. 2,880,488, 4-7-59, Cl. 24-205.12.
- Macy, Josiah N.: See—  
Hand, Leslie T., and Macy. 2,918,277.
- Madaffer, Frank. Bottle smashing device. 2,884,208, 4-28-59, Cl. 241-99.
- Madar, Emile, and P. Dive, to "Comptoir Industriel de Paris," (Societe a Responsabilite Limitee). Full-flow valved nipple. 2,918,084, 12-22-59, Cl. 137-539.
- Madara, Edward J. Paint roller. 2,889,613, 6-9-59, Cl. 29-116.
- Madaras, Ernest and J. Toy spinner of the top type. 2,891,351, 6-23-59, Cl. 46-81.
- Madaras, John: See—  
Madaras, Ernest and J. 2,891,351.
- Madaus, John H., and H. B. Urbach, to Olin Mathieson Chemical Corp. Electrolytic production of dichloroformoxime. 2,918,418, 12-22-59, Cl. 204-74.
- Madden Brass Products Co.: See—  
Lacart, Rollin H. 2,875,777.
- Madden, Charles C., to Bendix Aviation Corp. Control device and system for an induction throttle valve and supercharger of an aircraft engine. 2,878,797, 3-24-59, Cl. 123-103.
- Madden, Charles L. Flat deck conveyances. 2,872,880, 2-10-59, Cl. 105-368.
- Madden, David W. Guard for punch press or the like. 2,868,569, 1-13-59, Cl. 287-54.1.
- Madden, David W. Boat anchor. 2,887,980, 5-26-59, Cl. 114-208.
- Madden, David W. Guard mechanism. 2,888,123, 5-26-59, Cl. 192-134.
- Madden, Frank J.: See—  
Niven, Charles F., Jr., Deibel, and Wilson. 2,907,661.  
Pircon, Ladislav J. 2,896,054.
- Madden, Homer W. Double tier can conveyor. 2,868,350, 1-13-59, Cl. 198-35.
- Madden, John D.: See—  
Butterfield, William C., and Madden. 2,892,925.
- Maddock, Alfred G., and F. Smith, to United States of America. Atomic Energy Commission. Separation of plutonium from water insoluble fluorides derived from nitrate solutions of plutonium, uranium and fission products. 2,901,313, 8-25-59, Cl. 23-14.5.

- Maddox, Inez M.: See—  
Maddox, Marshall J. 2,884,655.
- Maddox, James, Jr., to The Texas Co. Geomicrobiological prospecting. 2,875,135, 2-24-59, Cl. 195-103.5.
- Maddox, James R.: See—  
Fassero, Anthony T., and Maddox. 2,869,180.  
Fassero, Anthony T., and Maddox. 2,915,783.
- Maddox, Marshall J., deceased, by I. M. Maddox, administrator, to R. I. Maddox. Mop head and handle therefor. 2,884,655, 5-5-59, Cl. 15-144.
- Maddox, Richard I.: See—  
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- Maddux, Duane C. Tube end closing apparatus. 2,881,727, 4-14-59, Cl. 113-44.
- Madeira, John R.: See—  
Bergmann, Ernst R., and Madeira. 2,904,164.  
Lo Presti, Roy F., and Madeira. 2,875,886.
- Madeira, John R., to Goodman Mfg. Co. Rope clamp for rope frame conveyor. 2,903,769, 9-15-59, Cl. 24-125.
- Madeira, John R., to Goodman Mfg. Co. Belt conveyor troughing roller assembly and locking means therefor. 2,903,771, 9-15-59, Cl. 24-126.
- Madeline, Raymond G., and J. F. Pathus-Labour, to Firma Deutsche Erdol A.G. Fireproofing textiles and the like. 2,907,683, 10-6-59, Cl. 117-136.
- Madeley, Paul E.: See—  
Erath, Louis W., and Madeley. 2,902,107.
- Mader, Albert C.: See—  
Van Tuyl, John E. 2,874,719.
- Mader, Lyle W.: See—  
Wesslund, Robert E., Mader, and Johnson. 2,874,372.
- Mader, Stewart S.: See—  
Silven, Herbert A., and Mader. Re. 24,744.
- Mades, Karl H. Variable pitch marine propeller. 2,916,095, 12-8-59, Cl. 170-160.34.
- Madge, Joachim: See—  
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Heidecke, Reinhold, Bretthauer, and Madge. 2,912,912.
- Madison, Ann-Mari: See—  
Rhoda, Richard N., and Madison. 2,915,406.
- Madison Equipment Co., The: See—  
Atkinson, Earl B. 2,917,917.
- Madison, James J., and F. B. Wilson. Road surfacing machine. 2,890,832, 6-16-59, Cl. 94-46.
- Madison, Richard K., and G. K. Bellis, to American Cyanamid Co. 1,4-bis-(2,2-dimethyl-3-carboxycyclobutyl) butane. 2,887,510, 5-19-59, Cl. 260-514.
- Madison, Robert W.: See—  
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- Madison Silo Co.: See—  
Anderson, William R. 2,911,116.
- Madiand, Glen R., and R. G. Worobey, to Motorola, Inc. Radiosonde. 2,915,624, 12-1-59, Cl. 250-17.
- Madonna, Oronzo. Mechanical apparatus for micrometric tuning of piano strings. 2,917,961, 12-22-59, Cl. 84-204.
- Madono, Osamu. Method of manufacturing ductile high aluminum iron alloy. 2,886,428, 5-12-59, Cl. 75-12.
- Mador, Irving L.: See—  
Lum, David W., and Mador. 2,917,545.
- Mador, Irving L., to National Distillers and Chemical Corp. Reaction of diazo compounds. 2,908,727, 10-13-59, Cl. 260-668.
- Mador, Irving L., and R. E. Robinson, to National Distillers and Chemical Corp. Reaction of alkali metals with epoxides. 2,915,562, 12-1-59, Cl. 260-618.
- Madsen, Arthur M., Jr. Automatic dental coolant attachment. 2,902,762, 9-8-59, Cl. 32-28.
- Madsen, Berthel F., to Teletype Corp. Space suppression by-pass. 2,886,637, 5-12-59, Cl. 178-25.
- Madsen, Berthel F., to Teletype Corp. Shift mechanism. 2,909,603, 10-20-59, Cl. 178-40.
- Madsen, Ida D. A.: See—  
Madsen, Tage D. 2,910,332.
- Madsen, Jens A. W., to Albertson & Co., Inc. Rotary impact wrench mechanism. 2,886,997, 5-18-59, Cl. 81-52.3.
- Madsen, Jens A. W., to Albertson & Co., Inc. Power operated magazine-type socket wrench attachment. 2,895,360, 7-21-59, Cl. 81-57.
- Madsen, Jens A. W., to Albertson & Co., Inc. Magazine-type socket wrench. 2,896,489, 7-28-59, Cl. 81-124.1.
- Madsen, Jens A. W., to Albertson & Co., Inc. Spindle lock. 2,909,249, 10-20-59, Cl. 188-174.
- Madsen, Kurt P. H.: See—  
Madsen, Tage D. 2,910,332.
- Madsen, Paul S.: See—  
Gow, Arthur E., and Madsen. 2,906,533.
- Madsen, Peter A. Liquid level signaling device. 2,910,097, 10-27-59, Cl. 141-96.
- Madsen, Tage D., deceased, by I. D. A. and K. P. H. Madsen, sole inheritors, to Aktiebolaget Davy Robertsons Maskinfabrik. Composed packing rings, particularly in piston rings for internal combustion engines. 2,910,332, 10-27-59, Cl. 309-44.
- Madsen, Walter M. Dust collector. 2,878,893, 3-24-59, Cl. 183-80.
- Maeda, Masayasu: See—  
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- Maeder, Arthur: See—  
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Sulzer, Georg, Guertler, Fatzer, and Maeder. 2,898,239.
- Maeder, Arthur, to Ciba Ltd. Phosphorus compounds. 2,894,019, 7-7-59, Cl. 260-461.
- Maeder, Arthur, to Ciba Ltd. Salts of hydrolyzed polyacrylate esters and solutions thereof. 2,897,172, 7-28-59, Cl. 260-33.4.
- Maeder, Arthur, and O. Albrecht, to Ciba Ltd. New polymerizable vinyl ether quaternary ammonium compounds. 2,897,200, 7-28-59, Cl. 260-247.2.
- Maeder, Heinz-Jochem, to Klockner-Humboldt-Deutz Akt. Shaking sieve device with transverse girders for the sieve plate. 2,883,051, 4-21-59, Cl. 209-269.
- Maeder, Werner: See—  
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- Maerker, Helmut. Rotational speed responsive device. 2,869,917, 1-13-59, Cl. 200-80.
- Maerkle, George P., to Fisher Radio Corp. Transducer circuits. 2,876,420, 3-3-59, Cl. 332-2.
- Maertens, Leopold J. Steel casting process and means for carrying out the same. 2,895,189, 7-21-59, Cl. 22-57.2.
- Maeschler, Albert, to Cardel Electric Co. Inc. Silk screen print dryer. 2,907,118, 10-6-59, Cl. 34-155.
- Maesser, Mieth: See—  
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- Maesser, Mieth, and F. S. Sillars, to United Shoe Machinery Corp. Seam structures. 2,902,961, 9-8-59, Cl. 112-262.
- Maesser, Mieth, and F. S. Sillars, to United Shoe Machinery Corp. Machines and methods for uniting multiple layers of work. 2,903,983, 9-15-59, Cl. 112-43.
- Maffei, Alessandro. Method for producing round-cornered cabinets and like pieces of furniture. 2,890,731, 6-16-59, Cl. 144-309.
- Maffei, John A., and W. H. Lautz. Automatic cooking devices. 2,889,786, 6-9-59, Cl. 107-60.
- Maffei, Vere, to E. I. du Pont de Nemours and Co. Silver halide emulsions and processes for preparing same. 2,910,359, 10-27-59, Cl. 96-87.
- Magaraci, Anthony F., to United States of America, Navy. Quadrature voltage eliminating motor control circuit. 2,917,690, 12-15-59, Cl. 318-30.
- Magasiny, Irving P., to Tele-Dynamics Inc. Automatic compensation in a telemetric system. 2,915,741, 12-1-59, Cl. 340-207.
- Magdziarz, Frank F. Automobile cigarette light quencher and ashtray. 2,888,936, 6-2-59, Cl. 131-237.
- Mageau, George J., Jr., to Buxton, Inc. Key case. 2,874,740, 2-24-59, Cl. 150-40.
- Magee Carpet Co., The: See—  
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Penman, Montgomery B. 2,895,876.
- Magee, Charles F.: See—  
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- Magee, Edward B. Fairlead. 2,919,110, 12-29-59, Cl. 254-190.
- Magee, Gertrude M. Flat iron rest. 2,900,748, 8-25-59, Cl. 38-107.
- Magee-Hale Park-O-Meter Co.: See—  
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Hamilton, Robert W. 2,901,078.
- Magee, Marvin H. Home overhead car washer. 2,887,121, 5-19-59, Cl. 137-355.23.
- Magee, Russell M.: See—  
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- Magel, Theodore T., to United States of America, Atomic Energy Commission. Apparatus for high purity metal recovery. 2,873,108, 2-10-59, Cl. 266-15.
- Magel, Theodore T., to United States of America, Atomic Energy Commission. Deposition of metal on nonmetal filament. 2,873,185, 2-10-59, Cl. 75-84.
- Magel, Theodore T., to United States of America, Atomic Energy Commission. Process of producing actinide metals. 2,894,832, 7-14-59, Cl. 75-84.1.
- Magel, Theodore T., to United States of America, Atomic Energy Commission. Method of producing dense consolidated metallic regulus. 2,899,297, 8-11-59, Cl. 75-84.1.
- Magel, Theodore T., and L. Brewer, to United States of America, Atomic Energy Commission. Thermal decomposition of uranium compounds. 2,873,184, 2-10-59, Cl. 75-84.
- Mageoch, Harry Y., to H. K. Porter Co., Inc. Vehicle destination sign mechanism. 2,896,873, 7-28-59, Cl. 242-67.  
7-7-59, Cl. 93-36.
- Mager, Herbert. Explosive cartridge. 2,887,953, 5-26-59, Cl. 102-24.
- Magerlein, Barney J.: See—  
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Fonken, Gunther S., Hogg, and Magerlein. 2,880,215.  
Spero, George B., Magerlein, Schneider, and Hogg. 2,884,420.
- Magerlein, Barney J., to The Upjohn Co. Intermediates for the production of 19-norhydrocortisone. 2,913,456, 11-17-59, Cl. 260-239.55.



- Magerlein, Barney J., and G. B. Spro, to The Upjohn Co. 6-methyl-11,21-dihydroxy-4-pregnene-3-one and 21-hydroxy-carboxylic acid esters thereof. 2,883,402, 4-21-59, Cl. 260—397.45.
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- Mags, Alfred H., R. Jedlitschka, A. Schroe, and J. Schmah, to Zahnradfabrik Friedrichshafen. Gear shifting mechanism. 2,906,138, 9-29-59, Cl. 74—473.
- Maggio, John S. Animal trap. 2,885,820, 5-12-59, Cl. 43—61.
- Maggiolo, Allison: See—
- Niegowski, Sigismund J., and Maggiolo. 2,897,231.
- Maggioli & C. Società per Azioni: See—
- Cavallini, Guido, and Massarani. 2,878,201.
- Cavallini, Guido, and Massarani. 2,895,963.
- Magill, Donald G., to American Can Co. Method of preparing a container for shipment and subsequent use. 2,893,295.
- Magill, Donald G., Jr., to Riegel Paper Corp. Method of making resin impregnated paper. 2,895,868, 7-21-59, Cl. 92—21.
- Magin, Kenneth E., and G. D. Stuewer, to Socony Mobil Oil Co., Inc. Method and apparatus for granular solids transfer. 2,889,271, 6-2-59, Cl. 208—173.
- Magin, Sidney H. A., to D. Napier & Son Ltd. Turbo machines having adjustable guide blades. 2,917,275, 12-15-59, Cl. 253—78.
- Magna, Peter S., and W. E. McCormick, to United States Steel Corp. Dual-hopper apparatus for filling containers. 2,874,737, 2-24-59, Cl. 141—263.
- Magnani, Alessandro, to Etablissement pour Matériaux de Construction, and F. L. Smidth & Co., A/S. Sleeve joint with resilient spacing means. 2,914,347, 11-24-59, Cl. 285—349.
- Magnet Machinery & Pattern Corp.: See—
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- Magnavox Co., The: See—
- Armstrong, Philip N., and Wiener. 2,905,465.
- Arsenault, William R., Garfield, and Thorensen. 2,905,834.
- Azari, Eric, Gray, Mallin, and Thompson. 2,905,466.
- Bair, Murray W. 2,891,449.
- Buecker, Carl H. 2,887,623.
- Buecker, Carl H. 2,891,447.
- Gray, Alfred E., Mallin, and Thompson. 2,883,188.
- Hoekstra, Cyrus E. 2,910,263.
- Hughes, Donald N. 2,891,398.
- Koonz, John C. 2,873,678.
- Orner, Allan. 2,901,247.
- Soverance, Ralph H. 2,878,680.
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- Soverance, Ralph H. 2,894,457.
- Thomas, Stephen E. 2,897,414.
- Wendling, John. 2,913,073.
- Wilson, Loren R. 2,883,189.
- Magenat, Rene P., to Waterbury Companies, Inc. Locking means for photo slide case. 2,906,579, 9-29-59, Cl. 312—309.
- Magner, John M., Monsanto Chemical Co. Pesticides. 2,901,393, 8-25-59, Cl. 167—30.
- Magnesium Elektron Ltd.: See—
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- Whitehead, Derek J., and Emley. 2,919,190.
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- Goddin, Clifton S., Jr., and Magness. 2,902,508.
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- Callan, Joseph M., and Splerer. 2,889,513.
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- Rudd, Wallace C., Cameron, and Osterer. 2,898,440.
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- Magnetic Metals Co.: See—
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- Magnetic Precision Controls Inc.: See—
- Mamon, Michel. 2,870,268.
- Magnetic Seal Corp.: See—
- Stevenson, Robert. 2,913,289.
- Magnetrol, Inc.: See—
- Blinford, Benjamin L. 2,911,830.
- Magni, Gustav A. Autoclaves. 2,880,482, 4-7-59, Cl. 21—95.
- Magnin, Jean P., to Schlumberger Well Surveying Corp. Minimum rebalance time on-off control system. 2,906,933, 9-29-59, Cl. 318—28.
- Magni-Power Co.: See—
- Martin, William C., Jr. 2,896,991.
- Martin, William C., Jr. 2,912,106.
- Magnus, Elmer G.: See—
- Hawk, Le Roy R., Magnus, and Manion. 2,873,663.
- Hawk, Le Roy R., Magnus, and Manion. 2,912,330.
- Magnus, Finn H. Fish lure. 2,897,934, 1-13-59, Cl. 43—42.35.
- Magnus, Finn H. Display stand. 2,899,078, 8-11-59, Cl. 211—60.
- Magnus, Oscar F., to American Brake Shoe Co. Blowers for railway switches. 2,898,062, 8-4-59, Cl. 240—428.
- Magnuski, Henry, and A. J. Afrunti, to Motorola, Inc. Communication system. 2,892,930, 6-30-59, Cl. 250—15.
- Magnuson, Adolph L.: See—
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- Magnuson, Dale W., and De F. F. Smith, to United States of America, Atomic Energy Commission. Method for stabilizing klystrons. 2,882,442, 4-14-59, Cl. 315—5.18.
- Magnuson, Genevieve L.: See—
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- Magnuson, Roy M. 2,889,856.
- Magnuson, Roy M. 2,910,392.
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- Magnuson, Merriell P., and A. W. Ellerton. Food packing device. 2,914,796, 12-1-59, Cl. 17—39.
- Magnuson, Raymond A., and N. M. Christensen, to Vogel-Peterson Co. Garment rack. 2,894,644, 7-14-59, Cl. 211—177.
- Magnuson, Roland A., to United States of America, Army. High pressure pneumatic cylinder. 2,911,209, 11-3-59, Cl. 267—65.
- Magnuson, Roy M.: See—
- Cowan, Tyson G. 2,870,585.
- Magnuson, Roy M., deceased; G. I. Magnuson, executrix. Apparatus and methods of filling measured amounts of viscous liquids or finely divided solids. 2,889,856, 6-9-59, Cl. 141—3.
- Magnuson, Roy M., deceased; G. I. Magnuson, executrix. 1/2 to California Packing Corp. Method of removing the skin of fruit and vegetable articles. 2,910,392, 10-27-59, Cl. 146—241.
- Magnuson, Roy M., deceased, and T. J. Smith; said Smith assor, to said Magnuson; G. I. Magnuson, executrix of said R. M. Magnuson. Counting mechanism for use in canneries and the like. 2,889,986, 6-9-59, Cl. 235—98.
- Magnuson, Roy M., deceased (G. I. Magnuson, executrix), and T. J. Smith, 1/2 to California Packing Corp. and 1/2 to G. I. Magnuson. Process for loosening the skins of fruits and vegetables. 2,910,393, 10-27-59, Cl. 146—241.
- Magnuson, Vernon P., G. E. Hagen, and C. R. Williams, to Northrop Corp. Graph plotter. 2,912,160, 11-10-59, Cl. 235—58.
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- Helin, Ellis E. V., and Magnusson. 2,876,151.
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- Magor, Leslie H., to Aluminum Body Corp. Construction of vehicular bodies. 2,910,322, 10-27-59, Cl. 296—28.
- Magor, Lincoln S., to Retor Developments Ltd. Spool valve adjustment. 2,903,233, 9-8-59, Cl. 251—3.
- Magovern, Robert L., and H. C. Ries, to Shell Development Co. Apparatus for vaporizing liquids. 2,893,359, 7-7-59, Cl. 122—28.
- Magrath, William B., and H. J. Goetz, to Door-Oliver Inc. Method and apparatus for the continuous purification of liquids. 2,878,935, 3-24-59, Cl. 210—82.
- Magruder, William R., and C. W. Gomerding, to Injection Molding Co. Apparatus for treating polyethylene containers for printing. 2,894,139, 7-7-59, Cl. 230—49.5.
- Maguire Industries, Inc.: See—
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- Maguire, J. J.: See—
- Friedman, Herbert. 2,901,629.
- Maguire, J. J., Co.: See—
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- Friedman, Herbert. 2,901,629.
- Maguire, John, to Duo-Red Corp. Adjustable frame support. 2,880,448, 4-7-59, Cl. 16—19.
- Maguire, Milton J. Paper making machine. 2,888,378, 5-26-59, Cl. 162—210.
- Maha, Otto J., to Parker-Hannifin Corp. Sealing apparatus. 2,907,596, 10-6-59, Cl. 286—26.
- Mahady, John J., to United States Rubber Co. Method of making hose with sealing rings attached at each end. 2,917,102, 12-15-59, Cl. 154—8.
- Maham, Carl E. Hold-down device. 2,895,705, 7-21-59, Cl. 248—361.
- Mahan, John E., to Phillips Petroleum Co. Production of substituted pyridines. 2,877,228, 3-10-59, Cl. 260—290.
- Mahan, John E., to Phillips Petroleum Co. Stabilization of vinylpyridines. 2,893,995, 7-7-59, Cl. 260—290.
- Mahan, John E., and C. W. Osborn, to Phillips Petroleum Co. Polycyclic alcohols prepared by ethynylation of a condensation product of a diolefin and a furfural. 2,894,316, 4-28-59, Cl. 71—2.5.
- Mahan, Laban A., and O. O. Lee. Model railroad turntable. 2,911,922, 11-10-59, Cl. 104—38.
- Maier, Edwin C. Fabricated pallet and spacer therefor. 2,918,241, 12-22-59, Cl. 248—120.
- Maier, Joseph L., to National Tank Co. Methods and means for low temperature separation of liquid hydrocarbons from natural gas. 2,873,814, 2-17-59, Cl. 183—2.7.
- Mahle, Hermann. Light alloy piston. 2,882,107, 4-14-59, Cl. 309—13.

- Mahle Kommandit-Gesellschaft: See—
- Hermann, Gerhard. 2,869,946.
- Mahler, Benjamin B.: See—
- Dodgington, Sven H., and Mahler. 2,912,686.
- Mahler, Charles J., M. P. White, and R. B. Immel, to Westinghouse Electric Corp. Mounting means for contact members. 2,871,322, 1-27-59, Cl. 200—166.
- Mahler, Charles J., and M. P. White, to Westinghouse Electric Corp. Mounting means for contact members. 2,871,323, 1-27-59, Cl. 200—166.
- Mahler, George T., to The New Jersey Zinc Co. Recovery of titanium tetrachloride. 2,870,869, 1-27-59, Cl. 183—120.
- Mahler, Harold: See—
- Ganz, Daniel M. 2,869,732.
- Mahler, William S.: See—
- Dry, John D. 2,879,021.
- Mahlfeldt, Walter: See—
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- Mahlmeister, Louis J., to The Sheffield Corp. Gauging device. 2,878,572, 3-24-59, Cl. 33—174.
- Mahlmeister, Raymond A., to The Sheffield Corp. Gaging device. 2,903,796, 9-15-59, Cl. 33—147.
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- Maho, Jacques. Diffusing ducts for the ventilation of cereals or granular products stored in silos or warehouses. 2,906,190, 9-29-59, Cl. 98—56.
- Mahon, Joseph E., E. M. Walter, and C. C. Heyer. Neon tubing support. 2,885,538, 5-5-59, Cl. 240—11.4.
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- Mahoney, Clarence L., to Shell Development Co. Method for oxidizing carbonaceous deposits. 2,882,237, 4-14-59, Cl. 252—186.
- Mahoney, Donald G.: See—
- Key, Don E., and Mahoney. 2,880,896.
- Mahoney, Edward T. Blade holders. 2,869,233, 1-20-59, Cl. 30—162.
- Mahoney, Frederick G. Adjustable handle on a hand implement. 2,887,710, 5-26-59, Cl. 15—172.
- Mahoney, James A. Package for incandescent lamps. 2,869,720, 1-20-59, Cl. 206—65.
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- Malco Electronics, Inc.: See—
- Hogan, John W. 2,913,662.
- Mullin, Clayton D., and Rose. 2,904,639.
- Rose, John F. 2,916,538.
- Malden Form Brassiere Co., Inc.: See—
- Coleman, Beatrice, Moll, and Silvan. 2,888,930.
- Rosenthal, William. 2,892,459.
- Vuilleminot, Robert P. 2,894,673.
- Mald-O-Mist Inc.: See—
- Henthman, Charles M. 2,888,252.
- Maier, Albert: See—
- Straub, Hermann, Belg. Maier, and Wiedmann. 2,889,530.
- Zittrell, Anton, and Maier. 2,900,059.
- Maier, Albert, to Zahnradfabrik Friedrichshafen. Multi-speed gear transmission. 2,897,690, 8-4-59, Cl. 74—720.
- Maier, Alfred, to Robert Bosch, G.m.b.H. Electrical apparatus. 2,896,049, 7-21-59, Cl. 200—113.
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- Maier, Dale E., to Borg-Warner Corp. Power driven wrench with reverse rotation limiting means. 2,900,856, 8-25-59, Cl. 81—54.
- Maier, Erich R. F.: See—
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- Maier-Huser, Hans, and R. Bourrillon, to Société de l'Institut de Sérothérapie. Method of producing the highly purified intertizing gonadotropic factor. 2,894,875, 7-14-59, Cl. 167—74.
- Maier, John, III: See—
- Oyler, Glenn W., and Maier. 2,886,692.
- Oyler, Glenn W., and Maier. 2,890,322.
- Oyler, Glenn W., Maier, and Reed. 2,884,510.
- Reed, Thomas B., Maier, and Oyler. 2,874,265.
- Maier, Karl, J. Elsele, and W. Federkiel, to Badische Anilin- & Soda-Fabrik Akt. Amine salts of anthraquinone sulfonic acid compounds. 2,913,465, 11-17-59, Cl. 260—367.
- Maier, Karl W., to Olin Mathieson Chemical Corp. Cartridge actuated tool. 2,872,682, 2-10-59, Cl. 1—44.5.
- Maier, Karl W., to Northrop Aircraft, Inc. First round recoil reducer for automatic guns. 2,876,681, 3-10-59, Cl. 89—198.
- Maier, Karl W., to Olin Mathieson Chemical Corp. Hammer and buffer mechanism. 2,877,750, 3-17-59, Cl. 123—7.
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- Maier, Robert, to American Feldmuehle Corp. Thread guide. 2,900,144, 8-18-59, Cl. 242—153.
- Majershofer, Karl M., to G-M Laboratories Inc. Flash unit. 2,886,792, 5-12-59, Cl. 339—45.
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- Barber, Alfred E., and Malga. 2,917,260.
- Malikowski, Michael A.: See—
- Erbe, Friedrich, Kaufmann, and Malikowski. 2,881,049.
- Mailhot, Harold J.: See—
- Vanderpoel, Albert G. H., and Mailhot. 2,876,793.
- Mailhard, Bernard, to Brevets Aero-Mécaniques S. A. Feed devices for automatic guns supplied with ammunition in the form of a cartridge belt. 2,873,649, 2-17-59, Cl. 89—33.
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- Mailhard, Bernard, to Brevets Aero-Mécaniques S. A. Regulating means for a gas piston operated gun. 2,918,848, 12-29-59, Cl. 89—193.
- Mailhot, Gabriel: See—
- Joullie, Maurice, Laure, Mailhard, and Muller. 2,894,039.
- Maille, Jean, to L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. Gas-liquid contacting apparatus. 2,884,236, 4-28-59, Cl. 261—114.
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- Neu, Willi. 2,870,008.
- Mainers, Artez F. Article dispenser. 2,880,907, 4-7-59, Cl. 221—299.
- Mainland, John G.: See—
- Wotring, John A., and Mainland. 2,898,863.
- Maintain, Russell E.: See—
- Galassi, Francis J. 2,909,287.
- Mainwaring, Gareth: See—
- Ferguson, Harold M., and Mainwaring. 2,913,702.
- Mallo, Nicola. Slide fastener attachment. 2,887,752, 5-26-59, Cl. 24—205.15.
- Malone, Theodore L., to Bell Telephone Laboratories, Inc. Equivalent four-wire repeaters. 2,875,283, 2-24-59, Cl. 179—170.
- Malorino, Gennaro S., to Bausch & Lomb Optical Co. Microscope fine adjustment mechanism. 2,891,446, 6-23-59, Cl. 88—39.
- Mair, James, to Goslin-Birmingham Mfg. Co., Inc. Evaporator. 2,872,974, 2-10-59, Cl. 159—20.
- Maireo, Inc.: See—
- Good, Arthur L. 2,874,924.
- Maire, Georges, to Tavaux Watch Co. S. A. Watch movement. 2,872,775, 2-10-59, Cl. 58—59.
- Mais, Adolf R., to Aktiebolaget Haglund & Soner. Quick action switch. 2,916,575, 12-8-59, Cl. 200—76.
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- Malsch, Oliver. Automatic vent valve. 2,908,282, 10-13-59, Cl. 137—199.
- Malsch, Oliver. Rotary pump. 2,909,124, 10-20-59, Cl. 103—126.
- Malsel, Bernard, 1/2 to Cornell Research Foundation, Inc., and 1/2 to New York Heart Association, Inc. Operating table apparatus for gravity exposure of the heart. 2,897,029, 7-28-59, Cl. 311—77.
- Malsel, Daniel S.: See—
- Hunt, John C., Malsel, and Wood. 2,906,787.
- Malsel, Daniel S., to Esso Research and Engineering Co. Benzene recovery from mixed steam cracked hydroformate feed utilizing prefractionation. 2,890,154, 6-9-59, Cl. 202—39.5.
- Maish, George O.: See—
- Nieman, Henry W., and Maish. 2,888,901.
- Maish, Jay H., to The Jay H. Maish Co. Mailing pieces. 2,909,313, 10-20-59, Cl. 229—92.8.
- Maish, Jay H., Co., The: See—
- Maish, Jay H. 2,909,313.
- Maison, George L.: See—
- Porush, Irving, and Maison. 2,868,691.
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- Grisel, Yvan V. 2,872,033.
- Maltino, Fred P., to General Dry Batteries Co., a division of P. R. Mallory & Co., Inc. Automatic battery making machine. 2,883,815, 4-28-59, Cl. 63—239.
- Maltland, Peter M., and M. Antritter, to Van Brode Milling Co., Inc. Battery hold-down device. 2,918,983, 12-29-59, Cl. 180—68.5.
- Maltzen, Richard P. Heating apparatus. 2,904,098, 9-15-59, Cl. 154—1.
- Malze, James A.: See—
- Anderson, Carl F., and Malze. 2,904,631.
- Malze, Paul F., and A. Yurka, Jr., to The Cyril Bath Co. Rapid cycle radial draw former. 2,881,821, 4-14-59, Cl. 153—40.
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- Croft, George M. 2,909,331.
- Majer, Christian. Method and machine for making paper tubes. 2,897,731, 8-4-59, Cl. 93—79.
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- Bertling, Ronald J., and Majewski. 2,916,237.
- Majkrzak, Charles P., to International Telephone and Telegraph Corp. Sliding contact device for tuning coils. 2,895,115, 7-14-59, Cl. 336—116.
- Majnerl, Ludwig A. Bleeder valve structure. 2,892,614, 6-30-59, Cl. 251—347.



- Major, Charles W. Dual firing spark plug. 2,890,365, 6-9-59, Cl. 313-123.
- Major Engineering Corp.: See—  
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- Major, Stephen C.: See—  
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- Major, Stephen C., and E. Yarotsky, to Sprague Electric Co. Electrical component and casting arrangement. 2,885,522, 5-5-59, Cl. 201-64.
- Majusick, Walter. Static line release. 2,900,206, 8-18-59, Cl. 294-83.
- Mak Maschinenbau Kiel Akt.: See—  
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- Makara, Frank: See—  
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- Makela, Armas G., and C. P. McClelland, to General Motors Corp. Windshield cleaner. 2,910,716, 11-3-59, Cl. 15-255.
- Maker, Paul, to Bryant Chucking Grinder Co. Process control apparatus. 2,897,638, 8-4-59, Cl. 51-165.
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- Maki, Jacob K., and A. E. Rockwood, to Simplex Time Recorder Co. Tag printing apparatus. 2,907,275, 10-6-59, Cl. 101-413.
- Maki, John W. Engine lubricating system. 2,889,821, 6-9-59, Cl. 123-196.
- Makous, Lawrence, to A. O. Smith Corp. Resistance and temperature determinations of a motor winding. 2,912,644, 11-10-59, Cl. 324-62.
- Makovic, Frank J., Jr., and A. W. Gorsalske, to Libbey-Owens-Ford Glass Co. Apparatus for pressing curved glass laminations. 2,893,905, 7-7-59, Cl. 154-27.
- Makower, Benjamin: See—  
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- Makower, Benjamin, and T. H. Schulz, to United States of America, Agriculture. Process for preparing a solid favoring composition. 2,899,313, 8-11-59, Cl. 99-140.
- Makower, Rachel U., to United States of America, Agriculture. Inactivation of enzymes in plant tissue. 2,890,120, 6-9-59, Cl. 99-154.
- Makowski, Günther, to Siemens & Halske Akt. Electromagnetic relay. 2,897,758, 1-6-59, Cl. 317-187.
- Makowski, Jerzy, to Fairchild Engine and Airplane Corp. Invertible evaporator. 2,867,991, 1-13-59, Cl. 62-169.
- Makrides, Constantine G., to Emerson Radio & Phonograph Corp. Mail handling apparatus. 2,903,309, 9-22-59, Cl. 198-31.
- Malachuk, Joseph A. Dispenser for bread crumbs and other food. 2,878,971, 3-24-59, Cl. 222-183.
- Malachowski, Harry M. Reinforced rolling mill rolls. 2,871,737, 2-3-59, Cl. 80-58.
- Malan, George L. Vibrator. 2,891,775, 6-23-59, Cl. 259-1.
- Malaquin, Andre, to Societe called: Societe Industrielle de Liaisons Electriques (S.I.L.E.C.). Torsional vibration damper. 2,916,280, 12-8-59, Cl. 267-1.
- Malary, Robert R., Jr. Sandwich construction for seaplane floats. 2,909,791, 10-27-59, Cl. 9-6.
- Malasky, John: See—  
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- Malavazos, Arthur J., to Friden, Inc. Back transfer mechanism. 2,909,320, 10-20-59, Cl. 235-63.
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- Malchow, Max E., to Radio Corp. of America. Semi-conductor squelch circuit. 2,904,678, 9-15-59, Cl. 250-20.
- Malco Mfg. Co.: See—  
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- Malco Tool & Mfg. Co.: See—  
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- Malcolm, Robert H., to International Harvester Co. Pump lubrication means. 2,902,012, 9-1-59, Cl. 123-41.86.
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- Malecki, George J., to Patent Protection Corp., trustee. Preservation of color in green vegetables. 2,875,071, 2-24-59, Cl. 99-186.
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- Malecki, Witold, to King-Seeley Corp. Governor. 2,876,792, 3-10-59, Cl. 137-482.
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- Malecki, Witold, and T. I. Larsen, to King-Seeley Corp. Variable speed governor. 2,911,054, 11-3-59, Cl. 180-82.1.
- Malek, Chester B., to Mead Specialties Co., Inc. Valve. 2,914,087, 11-24-59, Cl. 137-622.
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- Malek, Joseph V., to American Phenolic Corp. Electrical connector for coaxial cable. 2,870,420, 1-20-59, Cl. 333-33.
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- Maley, Robert L. Filter means. 2,889,836, 6-9-59, Cl. 134-110.
- Malihot, Clarence J., to F. B. Redington Co. Package stacking and sealing mechanism. 2,913,564, 11-24-59, Cl. 53-387.
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- Mallin, Herbert, and H. C. Roehrs, to The Dow Chemical Co. Method for preparing tetrahydrofuran lacquer of wet vinylidene chloride-acrylonitrile copolymer. 2,906,721, 9-29-59, Cl. 260-29.6.
- Mallin, Herman J.: See—  
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- Mallin, Louis. Umbrella tip and tool for use therewith. 2,914,008, 11-24-59, Cl. 112-114.
- Mallina, Marshall A.: See—  
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- Mallitte, Robert. Seats with retractable leg and foot rest. 2,901,025, 8-25-59, Cl. 155-111.
- Malkemus, John D.: See—  
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- Malkiewicz, Wladyslaw F., to Houdaille Industries, Inc. Steering and damping control device. 2,913,919, 11-24-59, Cl. 74-383.
- Malkin, Sam, to Lobstaire Inc. Method for the preservation of live crustacea such as lobsters. 2,890,680, 6-16-59, Cl. 119-2.
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- Mall, Arthur W., to Remington Arms Co., Inc. Take-up handle for chain saw. 2,910,099, 10-27-59, Cl. 143-32.
- Mall, Arthur W., C. A. Mattison, and W. Ziegler, to Remington Arms Co., Inc. Chain saw starter mechanism. 2,895,466, 7-21-59, Cl. 123-179.
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- Mall, Willis B. Convertible skates. 2,874,970, 2-24-59, Cl. 280-7.13.
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- Mallina, Rudolph F., to Bell Telephone Laboratories, Inc. Wire connecting machine. 2,905,400, 9-22-59, Cl. 242-7.
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- Mallinckrodt, George E. Aircraft. 2,874,920, 2-24-59, Cl. 244-23.
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- Mallinckrodt, George E. Charged-particle accelerator. 2,898,508, 8-4-59, Cl. 315-5.42.
- Mallinckrodt, George E. Propeller. 2,918,128, 12-22-59, Cl. 170-160.1.
- Mallinson, Dennis H.: See—  
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- Mallison, Thomas D. Locating devices. 2,902,969, 9-8-59, Cl. 116-114.

- Malloch, Robert S.: See—  
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- Mallory, Bonnie L. Wire repairing and tightening means. 2,879,808, 3-31-59, Cl. 140-123.5.
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- Mallory, Marion, to The Mallory Research Co. Spark plug. 2,900,908, 9-29-59, Cl. 313-144.
- Mallory, P. R., & Co., Inc.: See—  
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- Malm, Arne I.: See—  
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- Malm, Carl J., and C. L. Crane, to Eastman Kodak Co. Manufacture of cellulose acetate. 2,899,423, 8-11-59, Cl. 260-227.
- Malm, Eloff. Rope splicing device. 2,884,755, 5-5-59, Cl. 57-23.
- Malm, John G., and S. Fried, to United States of America, Atomic Energy Commission. Separation of protactinium from contaminants. 2,893,825, 7-7-59, Cl. 23-14.5.
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- Malm, Roy H.: See—  
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- Malmad, Fred. Box structure. 2,914,237, 11-24-59, Cl. 229-41.
- Malm, Elmer K. Electrical insulator. 2,870,245, 1-20-59, Cl. 174-175.
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- Malmros, Gustav V. A., and R. H. Harrington, to International Business Machines Corp. High speed printing apparatus. 2,897,752, 8-4-59, Cl. 101-93.
- Malmstadt, Howard V., to E. H. Sargent & Co. Automatic differential potentiometric titrator. 2,878,106, 3-17-59, Cl. 23-253.
- Malmstrom, Edward: See—  
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- Malo, Russell V.: See—  
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- Maloof, Loury G., to Radio Corp. of America. Television deflection and power supply circuits. 2,896,114, 7-21-59, Cl. 315-27.
- Malone, Dolphus D. Tower packing block. 2,911,204, 11-3-59, Cl. 261-95.
- Malone, Dominick M. Cylindrical brush assembly. 2,885,705, 5-12-59, Cl. 15-179.
- Malone, Esta L. Chewing gum depository. 2,896,841, 7-28-59, Cl. 232-43.2.
- Malone, Fermer A. Sheet rolling device. 2,874,915, 2-24-59, Cl. 242-74.1.
- Malone, Harold L.: See—  
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- Malone, Roger L.: See—  
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- Maloney, Henry B., and W. L. Russo, to Raytheon Co. Tubulation apparatus. 2,896,064, 7-21-59, Cl. 219-85.
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- Maloney, James O., and M. Tepitz, to The Kansas University Endowment Association. Production of aromatic hydrocarbons. 2,898,388, 8-4-59, Cl. 260-673.5.
- Maloney, Mabel: See—  
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- Malott, Clifton S., Jr., to The American Laundry Machinery Co. Adjustable width small piece folder and stacker. 2,887,313, 5-19-59, Cl. 270-86.
- Malsbury, James S., and E. B. Hilker, deceased, by A. Hilker, administratrix, to Wagner Electric Corp. Control for parallel connected A. C. supply circuits. 2,871,373, 1-27-59, Cl. 307-51.
- Malsbury Mfg. Co.: See—  
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- Malsbury, James S., to Wagner Electric Corp. Automatic control for voltage control device. 2,892,146, 6-23-59, Cl. 323-66.
- Malsbury, Kenneth C.: See—  
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- Maltby, Frederick L.: See—  
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- Maltby, Frederick L., to Robertshaw-Fulton Controls Co. Program control. 2,912,052, 11-10-59, Cl. 161-1.
- Maltby, Lewis J., to Menasco Mfg. Co. Landing gear for helicopters. 2,909,342, 10-20-59, Cl. 244-103.
- Maltby, Wilton R.: See—  
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- Malz, Hugo, O. Bayer, H. Freytag, and F. Lober, to Farbenfabriken Bayer Akt. Thiophosphoric acid esters and their production. 2,891,059, 6-16-59, Cl. 260-247.1.
- Malz, Nickolas, and R. J. Braski, to Dormeyer Corp. Liquifier. 2,897,862, 8-4-59, Cl. 146-68.
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- Malzahn, Ronald C., R. F. Phillips, and A. M. Hanson, to Grain Processing Corp. Riboflavin process. 2,876,169, 3-3-59, Cl. 195-28.
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- Mamzic, Charles L., to Moore Products Co. Leak testing apparatus. 2,872,806, 2-10-59, Cl. 73-40.
- Man, Eugene H., to E. I. du Pont de Nemours and Co. Electrolytic preparation of sulfur hexafluoride. 2,904,476, 9-15-59, Cl. 204-59.
- Manahan, Max J., to General Motors Corp. Electric radio tuner. 2,882,391, 4-14-59, Cl. 250-20.
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- Manas, Vincent T., to Josam Mfg. Co. Fixture carrier and coupling. 2,901,754, 9-1-59, Cl. 4-252.
- Manas, Vincent T., to Josam Mfg. Co. Branched vertical soil pipe line fitting with vent. 2,916,310, 12-8-59, Cl. 285-153.



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- Manassa, Bernard H. Foot construction for vibrating chair. 2,890,544, 6-16-59, Cl. 45—137.1.
- Manassa, Bernard H. Vibrating assembly. 2,894,505, 7-14-59, Cl. 128—33.
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- Mancib, Alvin S.: See—  
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- Mancini, Luigi, to G. Scalero. Transmission. 2,875,644, 3-3-59, Cl. 74—665.
- Mancini, Luigi. Suction cup device for equipment to be applied onto submerged surfaces, such as hull plates and the like. 2,876,026, 3-3-59, Cl. 287—20.
- Mancini, Vitalliano. Valve control for a musical instrument. 2,902,896, 9-8-59, Cl. 84—376.
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- Mandel, Mark, to International Telephone and Telegraph Corp. Radio navigation receiver. 2,912,691, 11-10-59, Cl. 343—106.
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- Mann, Earl, Jr., to Mann Automatic Transmission Co. Apparatus for testing automatic transmissions. 2,918,822, 12-29-59, Cl. 73—432.
- Mann, Edward F., to The Hoover Co. Wax applicator. 2,876,475, 3-10-59, Cl. 15—131.
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- Manna, William F., L. G. Cheatum, and B. W. Gustafson, to Deere & Co. Conveyor feeder for mobile ensilage loader. 2,900,069, 8-18-59, Cl. 198—204.
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- Mansfield, Roland M., to Tek Bearing Co. Method and apparatus for forming a self-aligning bearing. 2,892,246, 6-30-59, Cl. 29—149.5.
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- Manteuffel, Allan A., G. R. Cook, and W. W. Cortiss, to The Pure Oil Co. Lubricants. 2,900,342, 8-18-59, Cl. 252—57.
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- Manufacturers and Marketers, Inc.: See—  
Wood, James L. 2,910,279.
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- Manufaktur Aktiebolaget i Malmö: See—  
Jeppson, Kurt J. H., Olson, and Altmann. 2,872,708.
- Mannusell, Guy A. Underwater joints for subway segments. 2,877,628, 3-17-59, Cl. 61—43.
- Manwaring, David H., to Nelson-Ricks Creamery Co. Process and apparatus for making cheese. 2,868,651, 1-13-59, Cl. 99—116.
- Manwaring, Joshua G. D. Apparatus for fusing plastic material to textiles. 2,883,505, 4-21-59, Cl. 219—10.53.
- Manzer, Marvin R. Dispensing apparatus. 2,870,590, 1-27-59, Cl. 53—250.
- Manzinger, Johann: See—  
Mueller, Josef, Dolnicki, and Manzinger. 2,915,720.
- Mapes, Daniel, to Specialties Development Corp. Body catcher. 2,906,366, 9-29-59, Cl. 182—139.
- Mappes, William L., to Northeast Capital Corp. Clearance marker light. 2,871,342, 1-27-59, Cl. 240—8.2.
- Mappin, Vermont V.: See—  
Mazzola, Ambrose, and Mappin. 2,884,871.
- Mapson, Donald L., to M. & D. Store Fixtures, Inc. Support for display panels, mirrors or the like. 2,907,537, 10-6-59, Cl. 248—28.
- Mapstone, Herbert W., to Crosman Seed Corp. Display rack. 2,873,033, 2-10-59, Cl. 211—2.
- Mar San Mfg. Co.: See—  
May, David E., and Steen. 2,916,744.
- Marak, Eldon J., to Phillips Petroleum Co. Light scattering device and control system. 2,897,247, 7-28-59, Cl. 260—683.15.



- Maraman, William J., H. R. Baxman, and R. D. Baker, to United States of America, Atomic Energy Commission. Method for decontamination of reactor solutions. 2,885,260, 5-5-59, Cl. 23-14.5.
- Marander, Myron P., F. B. Gschwend, and M. F. Smith, to Fibreboard Paper Products Corp. Paper products having a release coating and method of preparation thereof. 2,869,722, 1-20-59, Cl. 206-84.
- Marano, Herbert W., to Wilson Jones Co. Receptacle support. 2,883,792, 4-28-59, Cl. 45-57.
- Marano, Herbert W., to Wilson Jones Co. Fastener driving device. 2,917,747, 12-22-59, Cl. 1-40.
- Marantette, William E., to Boeing Airplane Co. Voltage monitoring circuits. 2,883,529, 4-21-59, Cl. 250-27.
- Marantz, Israel H., to Columbia Cable & Electric Corp. Suction nozzle. 2,897,743, 8-4-59, Cl. 98-115.
- Marasco, Paul B., to Fog nebulizing vaporizer. 2,909,329, 10-20-59, Cl. 239-351.
- Marason, Gabriel, Jr., to Beckman Instruments, Inc. Potentiometer. 2,887,555, 5-19-59, Cl. 201-58.
- Marathon Corp. of Canada Ltd.: See—  
Eden, William P. 2,874,858.
- Maratzke, Lester C., and A. L. Sumpter, to M. D. Sell. Adjustable antenna mounting. 2,883,665, 4-21-59, Cl. 343-878.
- Maravolo, Joseph: See—  
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- Marban, Julian G., to Filling device for fountain pens. 2,894,541, 7-14-59, Cl. 141-30.
- Marble, Harold A., and C. P. Burbey, to International Sales Co. Gas furnace construction. 2,884,048, 4-28-59, Cl. 158-7.
- Marble, Kingsley W., Rear view mirror attachment. 2,871,754, 2-3-59, Cl. 88-2.2.
- Marblehead Lime Co.: See—  
Niemi, Lee H. 2,901,837.
- Marburg, Edgar, to United States Steel Corp. Sectional hot top. 2,900,685, 8-25-59, Cl. 22-147.
- Marburg, Edgar, to United States Steel Corp. Slotted hot top. 2,914,825, 12-1-59, Cl. 22-147.
- Marbury, Ralph E., to Westinghouse Electric Corp. Series capacitor protective device. 2,900,578, 8-18-59, Cl. 317-12.
- Marc, Henri, to The American Pad & Textile Co. Cushion pads. 2,870,053, 1-20-59, Cl. 154-54.
- Marcantonio, Daniel L., Electrical device for forming holes in nursing nipples. 2,900,481, 8-18-59, Cl. 219-29.
- Marce, Ervin A., to F. H. Ellenbaum. Hot top. 2,914,824, 12-1-59, Cl. 22-147.
- Marcellus, Brooks, to Barber-Colman Co. Coding device for computers. 2,885,858, 5-5-59, Cl. 340-174.
- March, Clifton J., to The Black & Decker Mfg. Co. Drill chuck and spindle connection. 2,874,985, 2-24-59, Cl. 287-53.
- March, William A., to Rockwell Mfg. Co. Hydrocarbon resistant glycerol base lubricant. 2,878,184, 3-17-59, Cl. 252-15.
- Marchal, Raymond H.: See—  
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- Marchand, William C., to Continental Motors Corp. Camshaft drive for internal combustion engines. 2,875,739, 3-3-59, Cl. 123-53.
- Marchant Calculators, Inc.: See—  
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- Marchant, Francis C., I. W. J. Morley, and E. Briggs, to Bristol Aero-Engines Ltd. Rotors for axial flow compressors or turbines. 2,869,820, 1-20-59, Cl. 253-69.
- Marchant, Paul A., to Injection Molding Co. Dropper assembly. 2,870,797, 1-27-59, Cl. 141-24.
- Marchant Research, Inc.: See—  
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- Greene, George B., and Wahlstrom. 2,867,797.
- Hamilton, Eugene P. 2,887,676.
- Hunter, Jonathan. 2,869,799.
- Hunter, Jonathan. 2,896,843.
- Steed, William P. 2,867,734.
- Marchbank, John, to Frederick Braby and Co. Ltd. Window assembly. 2,893,072, 7-7-59, Cl. 20-52.4.
- Marchese, Theodore J., and R. W. Willmarth, to International Telephone and Telegraph Corp. Pulsed-cathode electron gun. 2,912,616, 11-10-59, Cl. 315-14.
- Marchetti, Augusto, to Gebrueder Buehler. Carrying-frame conveyor for tiered driers. 2,901,090, 8-25-59, Cl. 198-84.
- Marchetti, Augusto, to Gebrueder Buehler. Distributor, in particular for short-length food-paste products. 2,905,311, 9-22-59, Cl. 198-112.
- Marchetti, Francis R.: See—  
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- Marchi, Fulvio: See—  
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- Marchionda, Tony F., Pneumatic skill toy. 2,919,135, 12-29-59, Cl. 273-119.
- Marchisella, Americo, to Rago Foundations, Inc. Foundation
- Marchyn, John M., to American Flange & Mfg. Co. Inc. Closure plugs. 2,906,429, 9-29-59, Cl. 220-39.
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- Noyes, Charles W. 2,916,583.
- Noyes, Charles W. 2,916,725.
- Marco, John, High pressure rotary pump unit. 2,878,757, 3-24-59, Cl. 103-202.
- Marcona Mining Co.: See—  
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- Bickers, Arthur. 2,870,423.
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- Brandon, Percy S., and Wright. 2,888,651.
- Brandon, Percy S., and Wright. 2,913,717.
- Brown, Thomas T. 2,887,581.
- Byatt, Dennis W. G. 2,879,506.
- Cooper, Victor J. 2,890,294.
- Davies, Eric, and Mirzinski. 2,882,393.
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- Grisdale, George L. 2,877,416.
- Heladon, Peter B. 2,907,821.
- Jesty, Leslie C., and Sarson. 2,892,883.
- Jolliffe, Sidney A. W., Byatt, Watson, Hatch, and French. 2,917,741.
- Lindars, John H. 2,892,938.
- Lord, Arthur V. 2,882,444.
- Mirzinski, Henryk. 2,892,937.
- Morgan, Mervyn, Wild, and Duncan. 2,903,692.
- Mortley, Wilfrid S. 2,882,394.
- Ramsay, John F. 2,917,740.
- Sarson, Alan E. 2,902,540.
- Speake, George D., Scanlan, and Cottam. 2,884,602.
- Tate Clifford E., and Freeman. 2,894,122.
- Wright, Peter M., and Brandon. 2,897,442.
- Wright, Peter M., and Rust. 2,896,203.
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- Marcotte Co., The: See—  
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- Marcotte, Frank B.: See—  
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- Marcotte, Oswald J., Cigarette maker. 2,868,209, 1-13-59, Cl. 131-58.
- Marcucci, Emil F., Christmas tree stand. 2,890,156, 8-11-59, Cl. 248-48.
- Marcum, Charles R., to Gemco Development and Engineering Co. Multi-leverage fluid pressure pump. 2,891,480, 6-23-59, Cl. 103-38.
- Marcus, David H.: See—  
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- Marcus, Jerome R.: See—  
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- Marcus, Mitchell P., and F. O. Underwood, to International Business Machines Corp. Electrical counter for diminishing counts. 2,889,987, 6-9-59, Cl. 235-132.
- Marcus, Richard D., J. J. Zones, and A. Preclado. Pie crust former. 2,896,555, 7-28-59, Cl. 107-15.
- Marcus, Samuel M., Powered golf caddy cart. 2,903,082, 9-8-59, Cl. 180-19.
- Marcus, William, Molding apparatus for container covers. 2,875,472, 3-3-59, Cl. 18-42.
- Marcus, William, Container cap. 2,886,218, 5-12-59, Cl. 222-517.
- Marcus, William, Apparatus for molding a hollow container with an integral handle. 2,900,666, 8-25-59, Cl. 18-42.
- Marcy, John P., Multi-contact fractionation tray. 2,875,993, 3-3-59, Cl. 261-113.
- Marden, Carleton S.: See—  
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- Marden, John W., to Westinghouse Electric Corp. Segmented molybdenum gun liner. 2,915,946, 12-8-59, Cl. 89-16.
- Marden, John W., D. M. Wroughton, and R. F. Baker, to Westinghouse Electric Corp. Ultra-high-temperature furnace. 2,916,535, 12-8-59, Cl. 13-22.
- Mardick, John A.: See—  
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- Mardolan, Milton G.: See—  
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- Mardon, James: See—  
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- Mare, Ernest, Adjustable sieves. 2,907,404, 10-6-59, Cl. 183-9.
- Marean, Dale F., Internal combustion rotary engine. 2,869,522, 1-20-59, Cl. 123-12.
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- Marette, Ralph T., and P. J. Miller, to The Weatherhead Co. Pneumatic suspension for vehicles and control valve therefor. 2,910,305, 10-27-59, Cl. 280-124.
- Marganski, Joseph J., and A. A. King, Jr., to Farrel-Birmingham Co., Inc. Baffle for rolls. 2,890,026, 6-9-59, Cl. 257-95.
- Margarinbolaget Aktiebolag: See—  
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- Margason, Jack V.: See—  
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- Margetts, David R.: See—  
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- Margetts, Hyrum R. and L. F., to The Brunswick-Balke-Collender Co. Basketball folding backstop. 2,872,192, 2-3-59, Cl. 273-15.

- Margetts, Hyrum R. and L. F., to The Brunswick-Balke-Collender Co. Wall winch with restricted base. 2,892,013, 4-14-59, Cl. 254-156.
- Margetts, Lynn F.: See—  
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- Margida, Frank J., to Saf-T-Brake Valve Co., Inc. Displacement type brake safety valve. 2,902,043, 9-1-59, Cl. 137-118.
- Margolin, Efraim, Coat hanger. 2,876,938, 3-10-59, Cl. 223-85.
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- Bashover, Albert. 2,892,288.
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- Marheine, Edward A., to Electronic Secretary Industries, Inc. Telephone answering apparatus control. 2,881,253, 4-7-59, Cl. 179-6.
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- Marianti Frozen Foods Corp.: See—  
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- Mariano, Connie, Accordion reed construction. 2,915,933, 12-8-59, Cl. 84-363.
- Marié, Pierre G., Lobe-scanning microwave antenna. 2,869,124, 1-13-59, Cl. 343-783.
- Marié, Pierre G., Resonant directional coupler with square guide. 2,897,457, 7-28-59, Cl. 333-10.
- Marien, Clement S., to Swank, Inc. Cuff link. 2,897,560, 8-4-59, Cl. 24-90.
- Marien, Clement S., to Swank, Inc. Cuff link. 2,897,562, 8-4-59, Cl. 24-97.
- Marien, Melvin W., to Ramsey Corp. Piston assembly. 2,882,108, 4-14-59, Cl. 309-22.
- Marien, Melvin W., to Ramsey Corp. Piston ring. 2,886,383, 5-12-59, Cl. 309-45.
- Marien, Melvin W., to Ramsey Corp. Piston ring. 2,886,385, 5-12-59, Cl. 309-45.
- Marien, Melvin W., to Ramsey Corp. Circumferential expander type piston ring assembly. 2,893,799, 7-7-59, Cl. 309-44.
- Marien, Melvin W., to Ramsey Corp. Electro-hydraulic actuating cylinder. 2,916,765, 12-29-59, Cl. 60-52.
- Marietta, Michael T., Face mask. 2,890,457, 6-16-59, Cl. 2-9.
- Marina, Ramón F., Mask. 2,897,817, 8-4-59, Cl. 128-141.
- Marinace, John C., to General Electric Co. Semiconductor devices. 2,904,704, 9-15-59, Cl. 307-88.5.
- Marinace, John C., and U. Cocca, to General Electric Co. Photoelectric device. 2,885,562, 5-5-59, Cl. 250-83.3.
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- Mariner, Peter F., and C. A. Cochane, to Elliott Brothers (London) Ltd. High frequency radio aerials. 2,867,801, 1-6-59, Cl. 343-756.
- Mariner, Peter F., and J. A. C. Kinnear, to Elliott Brothers (London) Ltd. Lens, mirror or like elements for high frequency radio aerials. 2,900,706, 8-25-59, Cl. 29-155.5.
- Marini, Herman R., to Pittsburgh Plate Glass Co. Method of bending glass. 2,871,623, 2-3-59, Cl. 49-84.
- Marini, Herman R., to Pittsburgh Plate Glass Co. Method and apparatus for glass chip removal. 2,915,423, 12-1-59, Cl. 134-9.
- Marini, Thomas O., Baseboard radiator. 2,872,162, 2-3-59, Cl. 257-133.
- Marino, Jean, to Les Industries Musicales et Electriques Pathe Marconi. Multi-speed drive mechanisms. 2,906,133, 9-29-59, Cl. 74-190.
- Marino, Nicholas A., Girdle. 2,895,482, 7-21-59, Cl. 128-563.
- Marino, Paul J., and J. G. Subblondo, to Sperry Rand Corp. Quick erecting means for gyro verticals. 2,879,672, 3-31-59, Cl. 74-547.
- Marion, John F.: See—  
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- Marion, William W., Fountain brushes. 2,909,798, 10-27-59, Cl. 15-138.
- Maristic, Milton M., and H. Hennig, to The Pure Oil Co. Catalytic cracking process. 2,903,414, 9-8-59, Cl. 208-80.
- Mark, Herman F., to R. S. Arles. Novel condensation products. 2,895,944, 7-21-59, Cl. 260-65.
- Mark, John T., to Radio Corp. of America. Pneumatic electrical connector. 2,883,638, 4-21-59, Cl. 339-35.
- Mark, Richard S.: See—  
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- Mark, Richard S., to Clary Corp. Printing mechanism. 2,879,712, 3-31-59, Cl. 101-95.
- Mark, Vennice E., Combination work and storage unit. 2,869,957, 1-20-59, Cl. 312-298.
- Mark, Vennice E., Concealable support for machines. 2,878,087, 3-17-59, Cl. 312-21.
- Mark, Vennice E., Support providing concealed storage. 2,878,088, 3-17-59, Cl. 312-29.
- Mark, Vennice E., Combination work and storage unit having sliding platform. 2,878,089, 3-17-59, Cl. 312-29.
- Mark, Vennice E., Concealable platform. 2,899,250, 8-11-59, Cl. 312-21.
- Mark, Vennice E., Concealable platform. 2,904,380, 9-15-59, Cl. 312-27.
- Mark, Victor, to Universal Oil Products Co. Polyxyalkylene cyclic hydrocarbon substituted amines and their ammonium salt derivatives. 2,876,263, 3-3-59, Cl. 260-573.
- Marke, Hans, to Aetna Products & Mfg. Co. Fishing rod guide. 2,914,882, 12-1-59, Cl. 43-24.
- Markel Electric Products, Inc.: See—  
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- Marken, Alden S., to The Texas Co. Apparatus for treating wells. 2,884,067, 4-28-59, Cl. 166-75.
- Marker, Hannes, Safety ski binding. 2,899,210, 8-11-59, Cl. 280-1135.
- Marker, Harold F., Piston packing rings and method of producing same. 2,873,154, 2-10-59, Cl. 309-29.
- Marker, Henry H., and N. B. Greenleaf, to Sponge Products Corp. Cam operated mop device. 2,882,540, 4-21-59, Cl. 15-119.
- Markes, Robert O., Inking device. 2,910,960, 11-3-59, Cl. 118-268.
- Markenstein, John, and C. B. Nelson, to General Motors Corp. Shock absorbing support. 2,880,681, 4-7-59, Cl. 105-368.
- Markenstein, John, and C. H. Patrie, to General Motors Corp. Railway vehicle suspension. 2,907,283, 10-6-59, Cl. 105-199.
- Market Transport Ltd.: See—  
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- Markes, Frank J., to G. F. E. Controls, Inc. Web guide. 2,871,013, 1-27-59, Cl. 271-26.
- Markes, Frank J., to Askania Regulator Co. Shielded web edge detector. 2,877,786, 3-17-59, Cl. 137-83.
- Markgraf, Andreas G.: See—  
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- Markham, Aaron E., to Puget Sound Pulp and Timber Co. Purification of alcohol. 2,892,757, 6-30-59, Cl. 195-39.
- Markham, Charles E., to White-Rodgers Co. Space thermostat with adjustable anticipator. 2,905,790, 9-22-59, Cl. 200-122.
- Markham, Charles W., Jr., V. H. Meyer, and W. R. Wade, to United Shoe Machinery Corp. Two-station sole pre-spotting and attaching machines. 2,896,233, 7-28-59, Cl. 12-336.
- Markham, Robert N., to Highland Container Co., Inc. Protective corner pad for packing mirrors and the like. 2,896,833, 7-28-59, Cl. 229-14.
- Markhart, Albert H.: See—  
Bonzaghi, Francis A., Cohen, and Markhart. 2,917,427.
- Markli, Franklin S., to Republic Aviation Corp. Carrier. 2,877,688, 3-17-59, Cl. 89-15.
- Markle, Adolf, to Firma Montanwerke Walter Akt. Grinding machine. 2,873,557, 2-17-59, Cl. 51-33.
- Markle, Adolf, to Firma Montanwerke Walter Akt. Grinding machine. 2,874,517, 2-24-59, Cl. 51-34.
- Marklew, Cecil K., to Alfred Herbert Ltd. Control means for a machine which is to operate on a predetermined cycle. 2,905,929, 9-22-59, Cl. 340-174.
- Markley, Francis X.: See—  
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- Orloff, Harold D., and Markley. 2,911,431.
- Markley, Joseph M., to New England Gear Works. Motor operated valves. Re. 24,663, 6-30-59, Cl. 251-134.
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- Markoff, Nicholas, to Tokheim Corp. Switch and register control mechanism. 2,874,874, 2-24-59, Cl. 222-35.
- Markoff, Nicholas, to Tokheim Corp. Dispenser control mechanism. 2,874,875, 2-24-59, Cl. 222-35.
- Markovitch, William H., Anti-burglar window lock. 2,912,268, 11-10-59, Cl. 292-262.
- Markow, George R., to International Business Machines Corp. Signal translating apparatus. 2,875,432, 2-24-59, Cl. 340-347.
- Markowicz, Marion: See—  
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- Markowitz, Jerome, to Allen Organ Co., Inc. Combination electronic organ and transient tone producing device. 2,888,850, 6-2-59, Cl. 84-1.01.
- Markowitz, Nathan M.: See—  
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- Markowitz, Oscar, to United States of America, Navy. Means for dynamic test of overvoltage relays. 2,895,547, 8-4-59, Cl. 324-28.
- Markowski, Edwin P., to Barry Controls Inc. Vibration isolator. 2,917,265, 12-15-59, Cl. 248-358.
- Marka, Alfred L., Fishing lure with luminescent eyes. 2,912,783, 11-17-59, Cl. 43-42.05.
- Marks, Alvin M., to Marks Polarized Corp. Glare-eliminating optical system. 2,887,566, 5-19-59, Cl. 240-9.5.
- Marks, Alvin M., to M. M. Marks. Machine for the continuous casting of films directly from solution. 2,897,544, 8-4-59, Cl. 18-15.



- Marks, Barnard M., to E. I. du Pont de Nemours and Co. Thermoplastic molding composition of cyclohexyl methacrylate, methyl methacrylate and an acrylic acid ester of a saturated alcohol having less than 3 carbon atoms. 2,882,261, 4-14-59, Cl. 260-80.5.
- Marks, Beal: See—
- Marks, Frederick M., and Marks. 2,881,364.
- Marks, Burton S.: See—
- Marks, Schoepfle, Blaine O., Marks, and Robitschek. 2,913,428.
- Marks, Charles E.: See—
- Radke, Donald F., Fagin, and Marks. 2,869,790.
- Marks, Daniel R., to Velsicol Chemical Corp. Improvement in the process of preparing endrin from isodrin. 2,899,446, 8-11-59, Cl. 260-348.5.
- Marks, Edward M. Nailing beam. 2,913,076, 11-17-59, Cl. 189-34.
- Marks, Eugene A., and A. A. Ferguson, to Bouras Laboratories, Inc. Switches. 2,881,277, 4-7-59, Cl. 200-61.45.
- Marks, George M., to Industrial Heat Engineering Co. Safety cut-off valve. 2,875,616, 3-3-59, Cl. 74-2.
- Marks, Henry C., R. R. Joiner, and H. K. Parker, to Wallace & Tiernan Inc. Procedures and compositions for the treatment of flour. 2,903,361, 9-8-59, Cl. 99-93.
- Marks, James R. Irrigation water signal. 2,911,939, 11-10-59, Cl. 116-118.
- Marks, Lou F.: See—
- Louik, Leonard, and Marks. 2,913,080.
- Marks, Mortimer M.: See—
- Marks, Alvin M. 2,897,544.
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- Marks, Alvin M. 2,887,566.
- Marks, Robert E.: See—
- Langdon, Howard H., Buresh, Castor, and Marks. 2,890,497.
- Marks, Robert M.: See—
- Bauer, Clifford D., Marks, and Bernardoni. 2,871,123.
- Marks, Ronald H. Continuous process and apparatus for making paper yarn. 2,896,393, 7-28-59, Cl. 57-32.
- Marks, Spence T., to United States of America, Army. Method for constructing a barium titanate blast velocity gauge. 2,894,317, 7-14-59, Cl. 29-155.5.
- Marks, Theodore. Automatic machines for making brushes. 2,903,299, 9-8-59, Cl. 300-2.
- Markson, Alfred A., to Hagan Chemicals & Controls, Inc. Trip thermostats having sharp reference temperatures. 2,870,297, 1-20-59, Cl. 200-142.
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- Markstrum, John A., to Thompson Products, Inc. Apparatus and method of making a spirally grooved ball type bearing member. 2,867,145, 1-6-59, Cl. 82-12.
- Markus, George, and M. Siegel, to Aristocrat Leather Products, Inc. Ornamental sheet material. 2,891,340, 6-23-59, Cl. 41-34.
- Markusen, David L., to Minneapolis-Honeywell Regulator Co. Automatic steering mechanism for dirigible craft. 2,877,967, 3-17-59, Cl. 244-77.
- Markwell, Harry D., to Harbor Plywood Corp. Veneer scarfing machine. 2,871,896, 2-3-59, Cl. 144-309.
- Markwood, Paul W.: See—
- Bennings, Noach, Johnston, Lynch, Markwood, and Parks. 2,908,944.
- Marland One-Way Clutch Co.: See—
- Holm, Jens C. 2,910,286.
- Marlen, Leslie C.: See—
- Bull, Glen C., Marlen, and Sabel. 2,913,973.
- Marley Co., The: See—
- Baker, Donald R. 2,895,848.
- Baker, Donald R., and Fordyce. 2,892,509.
- Baker, Donald R., Nelson, and Storer. 2,867,016.
- Jones, Douglas L. 2,872,730.
- Jones, Douglas L. 2,918,962.
- Mart, Leon T. 2,872,168.
- Marlin, Elmer D., to The Garrett Corp. Pneumatic speed sensing governor. 2,896,653, 7-28-59, Cl. 137-54.
- Marlin-Rockwell Corp.: See—
- Kupchick, John J. 2,886,347.
- Schultz, Eugene C. 2,902,300.
- Peterson, Carl O. 2,917,328.
- Marlo, Arvid: See—
- Strauss, Arvid. 2,896,352.
- Marlor, Bertram H.: See—
- Bissell, Kathleen M. 2,883,820.
- Marlow, Jacob, to Robertshaw-Fulton Controls Co. Capacity level control and improved probe. 2,888,945, 6-2-59, Cl. 137-392.
- Marly, Pierre A. Ophthalmological instrument for the examination of the eye-sight. 2,888,856, 6-2-59, Cl. 88-22.
- Marmon, Thomas W. Mason raker. 2,883,854, 4-28-59, Cl. 72-138.
- Marmor, Ralph A.: See—
- Gehrke, August F., Mormar, Henry, and Greenberg. 2,882,167.
- Marohn, Richard P., and W. C. Sealey, to Allis-Chalmers Mfg. Co. Load ratio control circuit with neutralizer winding. 2,909,721, 10-20-59, Cl. 323-43.5.
- Marola, Americo, to The Torrington Co. Mounting for roller bearings. 2,897,022, 7-28-59, Cl. 308-208.
- Maropis, Nicholas: See—
- De Prisco, Carmine F., Elmore, and Maropis. 2,917,691.
- Marosi, Jess, to Ford Motor Co. Vehicle parking brake. 2,899,025, 8-11-59, Cl. 188-170.
- Marotta, Ralph J., to Florida Cracker, Inc. Pest control device. 2,917,736, 12-15-59, Cl. 340-386.
- Marple, Rollo, to Hancock Industries, Inc. Door lock. 2,883,847, 4-28-59, Cl. 70-135.
- Marple, Thomas P., to General Railway Signal Co. Railway signaling system with automatic meets between trains. 2,916,612, 12-8-59, Cl. 246-2.
- Marples, Bernard P., and A. Foster, to Powers-Samas Accounting Machines Ltd. Electrically operable prime movers. 2,917,681, 12-15-59, Cl. 317-171.
- Marquardson, Kent F.: See—
- Last, Arthur W., and Marquardson. 2,875,896.
- Marquardt Aircraft Co.: See—
- Laucher, Richard G., and Coss. 2,874,538.
- Rabier, Jean C. 2,878,450.
- Rabier, Jean C. 2,886,761.
- Marquardt, John A., to Streeter-Ames Co. Device to determine the position of a moving car irrespective of the number of wheels on each truck thereof. 2,899,544, 8-11-59, Cl. 246-77.
- Marquez, Charles L.: See—
- Rowand, Will H., Marquez, Bayer, and Hughes. 2,891,522.
- Marquis, Donald P., and O. S. French, to Thompson Products, Inc. Wedge biased means for making a joint socket in the side of a tube. 2,868,263, 1-13-59, Cl. 153-21.
- Marquis, Henry. Rolling pin. 2,884,576, 5-5-59, Cl. 107-50.
- Marquis, John F., to Littlefuse Inc. Circuit breaker. 2,887,547, 5-19-59, Cl. 200-113.
- Marquis, Richard F. Door hinge. 2,901,766, 9-1-59, Cl. 16-164.
- Marquis, Urban C., to Humble Oil & Refining Co. Mining of sulfur by liquefaction of the sulfur. 2,896,931, 7-28-59, Cl. 262-3.
- Marquis, Urban C., to Humble Oil & Refining Co. Apparatus for hot water sulfur mining. 2,896,932, 7-28-59, Cl. 202-3.
- Marr, Robert L. Quail calling whistle. 2,880,548, 4-7-59, Cl. 46-179.
- Marrallino, Leonard L.: See—
- Spero, John J. 2,873,887.
- Marrallino, Leonard L., to J. J. Spero. Striping dispenser. 2,905,364, 9-22-59, Cl. 222-94.
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- Marran, John S.: See—
- Frobbach, Harold O., Gill, Marran, and Romano. 2,918,189.
- Marriott, William L., to Allen Electric and Equipment Co. Rate finder for battery charger. 2,899,624, 8-11-59, Cl. 320-48.
- Marrison, Warren A.: See—
- Langmuir, David D., and Marrison. 2,880,337.
- Marrison, Warren A., to Bell Telephone Laboratories, Inc. Apparatus for converting radiant energy to electromechanical energy. 2,919,358, 12-29-59, Cl. 310-46.
- Marrocco, Henry F. Skirt and trouser combination holder and hanger. 2,918,201, 12-22-59, Cl. 223-95.
- Marron, Thomas U., F. K. White, Jr., and H. M. Rosenberger, to A. B. Dick Co. Positive working photolithographic plate and method for manufacturing same. 2,875,046, 2-24-59, Cl. 96-33.
- Mars, Inc.: See—
- O'Rourke, John J. 2,904,438.
- Marsan, Arthur E. Ileostomy or drainage appliance. 2,910,065, 10-27-59, Cl. 128-283.
- Marschall, Paul M. Basketball practice device. 2,918,283, 12-22-59, Cl. 273-1.5.
- Marschka, Frank D., and J. E. Kuehne, to Radio Corp. of America. Composite photoconductive layer. 2,881,042, 4-7-59, Cl. 316-6.
- Marsden, Charles P., Jr., to United States of America, Navy. Automatic evacuation system for electron tubes. 2,894,795, 7-14-59, Cl. 316-30.
- Marsden, Charles P., Jr., and F. H. Brewer, to United States of America, Navy. Ceramic wafer, electronic tube. 2,897,394, 7-28-59, Cl. 313-245.
- Marsden, George B. Protractor. 2,894,326, 7-14-59, Cl. 33-1.
- Marsden, Herman A. Training apparatus for practicing artificial respiration. 2,904,898, 9-22-59, Cl. 35-17.
- Marsden, John F., Jr., to F. T. and R. E. Roberts. Method of making hose. 2,901,024, 8-25-59, Cl. 154-8.
- Marsee, Jack H., to Phillips Petroleum Co. Kick shoe for wash pipe. 2,884,068, 4-28-59, Cl. 166-103.
- Marsee, Frederick J., to Holley Carburetor Co. Engine governor actuator. 2,910,055, 10-27-59, Cl. 123-103.
- Marsel, Charles J., and J. Hoppel. Manufacturing process for synthetic drying oils. 2,902,457, 9-1-59, Cl. 260-23.
- Marsh, Alfred H., to Sun Oil Co. Liquid proportioning system. 2,870,776, 1-27-59, Cl. 137-99.
- Marsh, Audrey S.: See—
- Marsh, David F., and Sam. 2,890,935.
- Thornton, James R., and Marsh. 2,891,069.
- Marsh, Charles R., to Westinghouse Electric Corp. Filament shield. 2,876,373, 3-3-59, Cl. 313-117.
- Marsh, Charles W., to Bured, Inc. Braid packaging machine. 2,896,386, 7-28-59, Cl. 53-113.
- Marsh, Charles W. Headrest. 2,917,109, 12-15-59, Cl. 155-177.
- Marsh, David F.: See—
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- Marsh, David F., to McNeil Laboratories, Inc. Composition and method for relieving spasticity. 2,895,877, 7-21-59, Cl. 167-65.
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- Marsh, De Loss L. Underwater breathing apparatus. 2,900,977, 8-25-59, Cl. 128-142.
- Marsh, De Loss L., and S. C. Butler. Underwater spear gun. 2,900,972, 8-25-59, Cl. 124-13.
- Marsh, Elda G.: See—
- Ericson, Charles G. 2,884,199.
- Marsh, Gerald E., to General Railway Signal Co. Mechanically resonant decoding apparatus. 2,900,581, 8-18-59, Cl. 317-147.
- Marsh, Glenn A., and E. Schaschl, to The Pure Oil Co. Corrosion rate metering system. 2,869,003, 1-13-59, Cl. 307-95.
- Marsh, Glenn A., and E. Schaschl, to The Pure Oil Co. Apparatus for determining the pitting rate of a corrosive medium on a metal. 2,888,642, 5-26-59, Cl. 324-71.
- Marsh, Glenn A., L. E. Ellison, and E. Schaschl, to The Pure Oil Co. Indirectly connected corrosion-test probe. 2,912,645, 11-10-59, Cl. 324-65.
- Marsh, Harry S.: See—
- Neff, Paul J., Christy, Marsh, and McIntyre. 2,886,143.
- Neff, Paul J., Christy, Marsh, and McIntyre. 2,886,144.
- Marsh, Howard W.: See—
- Fedotowsky, Leonid, and Marsh. 2,906,932.
- Marsh, Jas. P., Corp.: See—
- Gilbert, Richard H. 2,905,431.
- Nicolaus, Norbert. 2,905,138.
- Rose, Alexander D., Willach, and Hall. 2,883,085.
- Marsh, John L., to Kalamazoo Vegetable Parchment Co. Apparatus and method of bonding paper having thermoplastic coating. 2,898,973, 8-11-59, Cl. 154-1.
- Marsh, Leon A.: See—
- Moyer, Harold W., and Marsh. 2,895,599.
- Marsh, Lucille R.: See—
- Darnutzer, Donna J., Marsh, and Kofod. 2,892,909.
- Marsh, Orlo W.: See—
- Southworth, James, Jr., Marsh, Badger, and Dregler. 2,907,509.
- Marsh, Orlo W., to The General Industries Co. Molded plastic rotor hub tightening and driving construction. 2,882,077, 4-14-59, Cl. 287-53.
- Marsh, Richard E., to The Hallcrafters Co. Variable inductor. 2,873,431, 2-10-59, Cl. 336-135.
- Marsh, Richard O., Jr., to Raymond International Inc. Marine platforms. 2,908,141, 10-13-59, Cl. 61-46.5.
- Marsh, Roger: See—
- Kopf, Rowland J., and Marsh. 2,891,249.
- Marsh, Roger, to Olin Mathieson Chemical Corp. Apparatus for handling disks for powder-actuated tools. 2,876,931, 3-10-59, Cl. 221-279.
- Marsh, Roger, to Weapons, Inc. Compensating device used with different size cartridges. 2,887,013, 5-19-59, Cl. 89-193.
- Marsh Stencil Machine Co.: See—
- Hempel, Herbert W. 2,904,155.
- Hempel, Herbert W. 2,913,747.
- Marsh Wall Products, Inc.: See—
- Robinson, Joseph J., Jr. 2,880,481.
- Marshall, Barbara H.: See—
- Hamblin, Clyde M. 2,874,722.
- Marshall, Benjamin T., T. A. Reiter, and R. J. Yoder, to Esso Research and Engineering Co. Feed distribution system for a fluidized solids vessel. 2,889,270, 6-2-59, Cl. 208-158.
- Marshall, Charles A.: See—
- Mock, Richard A., Marshall, and Morris. 2,910,445.
- Marshall, Charles O., to Toledo Scale Corp. Centrifugal forced meat chopping machine. 2,878,846, 3-24-59, Cl. 146-124.
- Marshall, Chester B.: See—
- Hasselman, Herbert P., and Marshall. 2,885,059.
- Marshall, Claire B.: See—
- Brady, Edward J., and Marshall. 2,912,612.
- Marshall, Clifford D.: See—
- Johnson, George F., Marshall, and Criswell. 2,900,366.
- Marshall, Colin S. R., to Tiltman Langley Ltd. Power transmission clutch. 2,869,697, 1-20-59, Cl. 192-17.
- Marshall, Donald E., to Westinghouse Electric Corp. Ignitron. 2,917,649, 12-15-59, Cl. 313-171.
- Marshall, Donald G.: See—
- Schleser, Warren J., Kelley, and Marshall. 2,873,478.
- Schleser, Warren J., Kelley, and Marshall. 2,890,013.
- Marshall, Elsie W.: See—
- Marshall, John W. 2,889,182.
- Marshall, Florence A.: See—
- Glashaw, Alfred M. 2,883,896.
- Marshall, Frank C.: See—
- Christie, Soren L., and Marshall. 2,875,396.
- Christie, Soren L., and Marshall. 2,878,437.
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- Marshall, George E. E., and G. Inker, to Stothert & Pitt, Ltd. Automatic control for variable capacity pumps. 2,910,943, 11-3-59, Cl. 103-11.
- Marshall, George S. Apparatus for producing a thermal absorption bank of water. 2,902,839, 9-8-59, Cl. 62-354.
- Marshall, Henry P., and R. E. Davies, to Celanese Corp. of America. Composition comprising chlorinated ethylenically unsaturated linear polyester and mixture of monomers copolymerizable therewith. 2,880,193, 3-31-59, Cl. 260-45.4.
- Marshall, James W., and H. W. Cowan, to Hoffman Electronics Corp. UHF antenna multicoupler system or the like. 2,897,499, 7-28-59, Cl. 343-850.
- Marshall, James W., and F. A. Walter, to United States Rubber Co. Apparatus for assembling a vibration damper. 2,914,844, 12-1-59, Cl. 29-235.
- Marshall, John T. Device for teaching diving techniques. 2,886,313, 5-12-59, Cl. 272-1.
- Marshall, John W., deceased, by E. W. Marshall, administratrix. Sectional piston. 2,889,182, 6-2-59, Cl. 309-15.
- Marshall, Jule F., to American Felt Co. Filter-silencer. 2,907,405, 10-6-59, Cl. 183-41.
- Marshall, Leonard S. Aerial tow target. 2,879,999, 3-31-59, Cl. 273-105.3.
- Marshall, Peter L., to North American Aviation, Inc. Control surface. 2,869,805, 1-20-59, Cl. 244-87.
- Marshall, Peter R., and P. J. Ridout, to The Birmingham Small Arms Co. Ltd. Powder metal compacts. 2,872,311, 2-3-59, Cl. 75-200.
- Marshall, Preston F., to The Kendall Co. Grass seed mat and process for making same. 2,909,003, 10-20-59, Cl. 47-56.
- Marshall, Ralph R. Kilt case. 2,902,195, 9-1-59, Cl. 224-5.
- Marshall, Raymond W.: See—
- Steven, Harry M., and Marshall. 2,884,497.
- Marshall, Robert N.: See—
- Corbeels, Theophile, and Marshall. 2,877,675.
- Marshall, Temple G., Jr., to The National Cash Register Co. Logical circuit element. 2,885,564, 5-5-59, Cl. 250-213.
- Marshall, Thomas E., III: See—
- Bridge, Richard B., Marshall, and Von Wald. 2,873,482.
- Marshall, Vernon. Towel vending machines. 2,875,923, 3-3-59, Cl. 221-186.
- Marshall, William R., Jr., to Proctor and Schwartz, Inc. Spray drying process. 2,880,794, 4-7-59, Cl. 159-48.
- Marshall, William H. Capping means for storage battery. 2,889,391, 6-2-59, Cl. 136-170.
- Marshburn, James P., and H. W. Willis, 10% to W. R. Hodge. Anchor. 2,870,731, 1-27-59, Cl. 114-208.
- Marsteller, Lester O., to Westinghouse Air Brake Co. Protective electrical discharge devices. 2,907,810, 10-6-59, Cl. 313-231.
- Marston, William T.: See—
- Lutz, William A., and Marston. 2,867,523.
- Mart, Leon T., to The Marley Co. Forced draft fan-in-base cooling tower. 2,872,168, 2-3-59, Cl. 261-30.
- Martel, Antonin. Loading means for magnetic films ensuring the endless winding up and unwinding of the bands. 2,899,507, 8-11-59, Cl. 179-100.2.
- Martel, Bob E., to Texas Instruments Inc. Clamping mechanism. 2,904,869, 9-22-59, Cl. 24-243.
- Martel, Richard A.: See—
- MacIntyre, Alfred J., Jr., and Martel. 2,894,854.
- MacIntyre, Alfred J., Jr., and Martel. 2,900,271.
- Marteleur, Carl, to International Standard Electric Corp. Magnetic recording and reproducing device. 2,916,559, 12-8-59, Cl. 179-100.2.
- Martell, Jack A.: See—
- Bartlett, Richard J., Hall, and Martell. 2,910,815.
- Greer, Henry W., Hompe, and Martell. 2,890,557.
- Martelli, Francesco: See—
- Martelli, Guido, N. and F. 2,902,718.
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- Martelli, Nerio: See—
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- Martens, Albert: See—
- Cook, Ross, Capers, and Martens. 2,893,660.
- Martens, Henry F., to Armour and Co. Poultry package. 2,871,131, 1-27-59, Cl. 99-194.
- Martensson, Marten, and T. J. Lund. Safety shutoff coupling. 2,876,983, 3-10-59, Cl. 251-151.
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- Marti, Paul O., Jr., to Standard Oil Co. Anticaking agent for ammonium nitrate. 2,879,133, 3-24-59, Cl. 23-103.
- Marti, Paul O., Jr., to Standard Oil Co. Anti-caking agent for ammonium nitrate. 2,901,317, 8-25-59, Cl. 23-103.
- Marti, Rueben A. Fourdrinier paper making machine. 2,893,486, 7-7-59, Cl. 162-352.
- Martignon, Daniel: See—
- Melnholtz, Edward C., and Martignon. 2,904,370.
- Martin, Albert E., and D. Mounfield, to Sir Howard Grubb, Parsons & Co., Ltd. Sonic gas analysers. 2,874,564, 2-24-59, Cl. 73-24.
- Martin, Alfred R., to Imperial Chemical Industries Ltd. Griseofulvin uses and compositions. 2,900,304, 8-18-59, Cl. 167-65.
- Martin, Alfred W., to Celanese Corp. of America. Purification of methylisobutylketone. 2,871,169, 1-27-59, Cl. 202-60.



- Martin, Andrew S., and J. E. McCleary. Sign supporting bracket. 2,870,985, 1-27-59, Cl. 248-324.
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- Martin, Archer J. P., to Consolidated Electrodynamics Corp. Apparatus for detecting movements of a fluid. 2,890,586, 6-16-59, Cl. 73-204.
- Martin, Archworth: See—
- Mercer, John C. 2,911,135.
- Martin, Arlo A., to General Dynamics Corp. Instrument illuminating device. 2,874,268, 2-17-59, Cl. 240-21.
- Martin, Armor B., to Washington Water Power Co. Electric and fuel burning heating system. 2,893,639, 7-7-59, Cl. 237-2.
- Martin, Arthur L. Device for taking clippings from magazines or the like. 2,882,599, 4-21-59, Cl. 30-294.
- Martin, Bernard P., to The McGraw Chemical Co. Electrodeposition of nickel. 2,872,392, 2-3-59, Cl. 204-49.
- Martin, Carl A., and P. B. Sweet. Pelletizing calcium tungstate. 2,886,427, 5-12-59, Cl. 75-3.
- Martin, Carleton E., to United States of America, Navy. Three dimensional cam. 2,872,151, 2-3-59, Cl. 251-58.
- Martin, Charles G., to Thomas Blaylock and Edward Manthey. Security hinge for filing cabinets. 2,913,296, 11-17-59, Cl. 312-216.
- Martin, Charles L.: See—
- Goodridge, Laurence M., and Martin. 2,871,841.
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- Martin, Clarence L. Meat patty forming and wrapping apparatus. 2,886,930, 5-19-59, Cl. 53-180.
- Martin, Cletus O.: See—
- Haden, Walter L., Jr., and Martin. 2,885,360.
- Martin Co., The: See—
- Birge, Warren A. 2,882,495.
- Bowser, Chester L., Jr. 2,889,864.
- Engelhardt, Richard A. 2,910,558.
- Goodrich, Gordon W. 2,914,872.
- Hodge, Edward A. 2,908,240.
- Isley, Cary T., Jr. 2,870,414.
- Kurek, Thaddeus M., Popp, and Jones. 2,872,890.
- Minneman, Milton J., and Westneat. 2,869,121.
- Ohlson, Paul E., and Hodge. 2,905,127.
- Pratt, Amasa, and Royce. 2,888,675.
- Raboy, Bernard. 2,873,443.
- Reis, Herbert J., and Barthel. 2,919,418.
- Richmond, William F., Jr., and Nowack. 2,892,907.
- Romano, George F. 2,899,567.
- Scarborough, Robert W., and Voigt. 2,874,537.
- Schumacher, Ernest A. 2,896,978.
- Wernz, Donald E., and Schwartz. 2,893,903.
- Wirth, Leo J. 2,918,239.
- Young, Robert. 2,911,886.
- Martin, Dale W. J.: See—
- Martin, Howard B. and D. W. J. 2,911,933.
- Martin, Dana W., to Norton Co. Grinding machine. 2,887,828, 5-26-59, Cl. 51-86.
- Martin, Daniel W., to The Baldwin Piano Co. Monaural-binaural transmission of sound for producing a Haas effect. 2,879,883, 3-31-59, Cl. 84-124.
- Martin-Decker Corp.: See—
- Matchett, Mahlon M. 2,908,184.
- Martin, Donald B. Dispenser. 2,906,432, 9-29-59, Cl. 221-207.
- Martin, Ernest E., and R. W. Walsh; said Martin assor. to said Walsh. Metal drilling apparatus. 2,891,425, 6-23-59, Cl. 77-5.
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- Martin, Edna F.: See—
- Rimmer, John A., and Martin. 2,884,682.
- Martin, Edward G.: See—
- Childs, Robert S. 2,867,783.
- Martin, Edwin R., to Standard Dayton Corp. Motor control assembly. 2,906,935, 9-29-59, Cl. 318-211.
- Martin, Elmore L., to E. I. du Pont de Nemours and Co. Photopolymerizable composition comprising an unsaturated vinyl polymer and a sheet support coated therewith. 2,892,716, 6-30-59, Cl. 96-115.
- Martin, Elmore L., to E. I. du Pont de Nemours and Co. Photopolymerizable compositions and elements and process of making reliefs therefrom. 2,902,365, 9-1-59, Cl. 96-35.
- Martin, Elmore L., and R. E. Putnam, to E. I. du Pont de Nemours and Co. Process of producing 1,1,4,4-tetrafluorobutadiene and product. 2,888,447, 5-26-59, Cl. 260-92.1.
- Martin, Eugene C.: See—
- O'Kelly, Arlie A., Tittsworth, and Martin. 2,907,646.
- Martin, Eugene E., to Research Corp. Current rectifier. 2,886,736, 5-12-59, Cl. 313-297.
- Martin, Eugene J., to Sylvania Electric Products Inc. Shield and package for electron discharge device. 2,897,252, 7-28-59, Cl. 174-35.
- Martin, Frank J. Self-locking reversing valve. 2,875,780, 3-3-59, Cl. 137-599.1.
- Martin, Francis J., and O. W. Scheffow, to Cleveland Pneumatic Industries, Inc. Actuator finger lock. 2,887,091, 5-19-59, Cl. 121-38.
- Martin, Fred L., to OPW Corp. Nozzle valve for dispensing power fluids. 2,906,302, 9-29-59, Cl. 141-392.
- Martin, Fred P. Hydraulically operated reciprocating cutting assembly. 2,884,752, 5-5-59, Cl. 56-25.
- Martin, Frederick H.: See—
- Bunting, James W., and Martin. 2,904,650.
- Martin, George E., to Wheeling Steel Corp. Method of making a composite structure. 2,869,228, 1-20-59, Cl. 29-428.
- Martin, George E., to Wheeling Steel Corp. Pallet and shipping container. 2,893,588, 7-7-59, Cl. 220-4.
- Martin, George E., to Wheeling Steel Corp. Pallet and shipping container. 2,918,190, 12-22-59, Cl. 220-4.
- Martin, George L.: See—
- Ruboff, John R., Martin, and Gerfen. 2,895,792.
- Ruboff, John R., Martin, and Gerfen. 2,895,793.
- Martin, George M. Automatic sheet stacker apparatus. 2,901,250, 8-25-59, Cl. 271-68.
- Martin, Georgia W. Pneumatic conveyor for planting implement. 2,872,248, 2-3-59, Cl. 302-21.
- Martin, Glenn L., Co., The: See—
- Moss, Bernard W. 2,876,444.
- Martin, Gunther J., to Schlumberger Well Surveying Corp. Electronic switch. 2,872,575, 2-3-59, Cl. 250-27.
- Martin, Gunther J., to Schlumberger Well Surveying Corp. Switching circuits. 2,894,130, 7-7-59, Cl. 250-27.
- Martin, Gustav J.: See—
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- Beller, Jay M., Brendel, and Martin. 2,872,374.
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- Brendel, Robert R., Beller, and Martin. 2,910,403.
- Micucci, Dominic D., Avakian, Brendel, and Martin. 2,874,160.
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- Martin, Gustav J., and J. M. Beller, to The National Drug Co. Reserpine-acetamide hypotensive compositions. 2,908,613, 10-13-59, Cl. 167-67.
- Martin, Harry, to Permanent Hair Waving Corp. Hair waving lotion of alkali metal and ammonium salts of an aliphatic mercaptan carboxylic acid. 2,876,781, 3-10-59, Cl. 132-7.
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- Martin, Henry J.: See—
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- Martin, Henry J. Furnace humidifier system. 2,888,006, 5-26-59, Cl. 126-113.
- Martin, Herman L. Oil and gas separator. 2,896,720, 7-28-59, Cl. 166-54.
- Martin, Homer Z.: See—
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- Brown, James W., Martin, and Jahnlig. 2,885,350.
- Jahnlig, Charles E., Brown, and Martin. 2,898,715.
- Jones, William H., and Martin. 2,895,904.
- Patterson, Albert C., and Martin. 2,901,519.
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- Martin, James F., to Arizona Activite, Inc. Process for producing micro-organisms and soil conditioners. 2,908,113, 10-13-59, Cl. 47-58.
- Martin, James M. Heat and cold retaining glasses, mugs, bowls and the like. 2,895,636, 7-21-59, Cl. 220-15.
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- Martin, James W., to Oil Recovery Corp. Process of recovering oil from oil fields involving the use of critically carbonated water. 2,875,833, 3-3-59, Cl. 166-9.
- Martin, James W., F. A. Hessel, I. P. Hammer, and J. B. Rust, to Oil Recovery Corp. Dispersation of wetting agents in subterranean hydrocarbon bearing formations. 2,875,831, 3-3-59, Cl. 166-9.

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- Martin, Jerome L., to Commercial Solvents Corp. Process for vapor phase nitration of alkanes. 2,905,724, 9-22-59, Cl. 260-644.
- Martin, Johannes J. Device for disintegrating strands of fuel. 2,867,385, 1-6-59, Cl. 241-32.
- Martin, John: See—
- Downs, Charles D., and Martin. 2,904,395.
- Martin, John F.: See—
- Phelon, Russell E., and Martin. 2,892,110.
- Martin, John F., to R. E. Phelon Co., Inc. Magneto mechanism. 2,915,574, 12-1-59, Cl. 123-149.
- Martin, John G., to Bendix Aviation Corp. Brake assembly. 2,893,519, 7-7-59, Cl. 188-71.
- Martin, John R.: See—
- Martin, Raymond N., and J. R. 2,879,776.
- Martin, John R., to Esso Research and Engineering Co. Viscosimeter. 2,878,670, 3-24-59, Cl. 73-60.
- Martin, John W., Jr., to Koppers Co., Inc. Ethylene polymerization process. 2,900,373, 8-18-59, Cl. 260-94.9.
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- Apple, Edward M. 2,910,156.
- Spound, Albert M., and Martin. 2,884,992.
- Martin, Joseph, to Pullman Couch Co. Convertible sofa bed. 2,876,462, 3-10-59, Cl. 5-13.
- Martin, Joseph F., to M. M. Martin and himself. Hydraulic actuator for foot operated emergency brake. 2,867,309, 1-6-59, Cl. 192-4.
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- Martin, Kenneth P., and W. P. Rowland, to The Colonial Press, Inc. Automatic book feeding mechanism. 2,909,266, 10-20-59, Cl. 198-21.
- Martin, Leslie E., to Sealco Mfg. Inc. End thrust bearing seal. 2,890,901, 6-16-59, Cl. 286-11.
- Martin, Lincoln A.: See—
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- Martin, Lonzy M.: See—
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- Martin, Lyle, to Bendix Aviation Corp. Control circuit. 2,910,624, 10-27-59, Cl. 317-5.
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- Martin, Lynn P., to W. A. Sheaffer Pen Co. Writing implement. 2,914,028, 11-24-59, Cl. 120-42.16.
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- Martin, Joseph F. 2,867,309.
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- Salsig, William W., Jr., and Martin. 2,868,987.
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- Martin, Menno G., to The Shaw-Walker Co. Payroll record and computing papers. 2,869,898, 1-20-59, Cl. 282-27.
- Martin, Merrell R.: See—
- Nicholson, Harry P., and Martin. 2,917,802.
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- Martin, Orville R., to The General Tire & Rubber Co. Molded rubber football. 2,874,965, 2-24-59, Cl. 273-65.
- Martin, Owen D., to American Motors Corp. Refrigerant control means for maintaining multiple temperatures. 2,914,925, 12-1-59, Cl. 62-197.
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- Martin, Paul N., to Westinghouse Air Brake Co. Alternating current track circuit with direct current track relay superimposed thereon. 2,880,307, 3-31-59, Cl. 246-34.
- Martin, Paul N., to Consolidated Electronics Industries Corp. Relay. 2,913,548, 11-17-59, Cl. 200-87.
- Martin, Paul S. Camera shutters. 2,917,982, 12-22-59, Cl. 95-62.
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- Martin, Reginald J.: See—
- Wohlforth, Harry C., and Martin. 2,880,336.
- Martin, Richard H., Jr., to Monsanto Chemical Co. Vinyl chloride interpolymers. 2,898,244, 8-4-59, Cl. 117-232.
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- Martin, Roger M. L. Solid fuel flow controller. 2,894,466, 7-14-59, Cl. 110-101.
- Martin, Royce H. Fletching, jig. 2,897,860, 8-4-59, Cl. 144-289.
- Martin, Samuel W., to Pitney-Bowes, Inc. Envelope stuffing machine. 2,914,895, 12-1-59, Cl. 53-59.
- Martin, Stanley, to British Scientific Instrument Research Corp. Devices for measuring relative humidity. 2,886,682, 5-12-59, Cl. 201-63.
- Martin, Steve E., to Bendix Aviation Corp. Power driven fluid pressurizing device. 2,875,583, 3-3-59, Cl. 60-54.6.
- Martin, Tellis A., to Mead Johnson & Co. 1,4-bis(D-glucosyl)piperazine and process of preparation. 2,910,465, 10-27-59, Cl. 260-211.5.
- Martin, Tellis A., and D. I. Randall, to General Aniline & Film Corp. Vat dyestuffs. 2,908,684, 10-13-59, Cl. 260-276.
- Martin, Victor S., to Western Electric Co., Inc. Methods of making insulated conductors. 2,883,314, 4-21-59, Cl. 154-224.
- Martin, Warren S. Powder-disseminating device. 2,870,565, 1-27-59, Cl. 43-148.
- Martin, Warren S., to Plant Products Corp. Dusting device. 2,892,286, 6-30-59, Cl. 43-148.
- Martin, Warren W. Roller-type paint applicator. 2,882,542, 4-21-59, Cl. 15-132.5.
- Martin, Wayne A., to Lyon Inc. One step cold nosing of shells. 2,913,804, 11-24-59, Cl. 29-121.
- Martin, Wesley L.: See—
- Gormley, Robert S., Johnson, and Martin. 2,878,415.
- Martin, William. Drinking fountain with a connector conduit. 2,899,137, 8-11-59, Cl. 239-29.
- Martin, William A., to Eastman Kodak Co. Camera turret indexing mechanism. 2,869,445, 1-20-59, Cl. 95-45.
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- Martin, William C., Jr., to Magni-Power Co. Magnetic separator. 2,912,106, 11-10-59, Cl. 209-223.
- Martin, William E. Flexible coupling. 2,879,650, 3-31-59, Cl. 64-10.
- Martin, William J., and E. J. Kraus. Guide markers. 2,868,123, 1-13-59, Cl. 101-400.
- Martin, William M., to James Dole Engineering Co. Preserving products in sealed containers. 2,870,024, 1-20-59, Cl. 99-182.
- Martin, William O., to Cregar, Adams & Co. Control valve. 2,886,377, 5-12-59, Cl. 303-68.
- Martindale, James H., to The Black-Clawson Co. Paper machinery. Re. 24,677, 7-28-59, Cl. 210-415.
- Martindell, Frank: See—
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- Martindell, Frank, to Ferracute Machine Co. Assembled head for metal-working press. 2,890,648, 6-16-59, Cl. 100-214.
- Martindell, Frank, to Ferracute Machine Co. Clutch-brake mechanism. 2,890,773, 6-16-59, Cl. 192-18.
- Martindell, Frank, to Ferracute Machine Co. Ram adjustment mechanism for presses. 2,910,898, 11-3-59, Cl. 78-41.
- Martindell, Frank, to Fairchild Camera & Instrument Corp. Tape controlled embossing machine. 2,911,086, 11-3-59, Cl. 197-20.
- Martinez, Eugene F., to Health-Mor, Inc. Suction cleaner nozzle construction for cleaning cotton rugs. 2,893,048, 7-7-59, Cl. 15-422.
- Martinez, Eugene F., to Health-Mor, Inc. Portable filter demonstration device for suction cleaner. 2,908,088, 10-13-59, Cl. 35-13.
- Martinez, Eugene F., to Health-Mor, Inc. Suction cleaner tool holder construction. 2,918,692, 12-29-59, Cl. 15-323.
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- Martinez, Thomas W., to The Pure Oil Co. Waterproof silica-base greases. 2,891,010, 6-16-59, Cl. 252-28.
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- Martinez, Alfred. Spring activated cuff links. 2,879,571, 3-31-59, Cl. 24-102.
- Martinez, Melroy M. Sea food processing apparatus. 2,873,473, 2-17-59, Cl. 17-2.



- Martinez, Michele P. L., to Panacolor, Inc. Photographic iron-silver color process. 2,886,435, 5-12-59, Cl. 96-49.
- Martini, Leo A. Means for drilling. 2,905,439, 9-22-59, Cl. 255-4.4.
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- Martinmaas, Werner, Jr. Sharpener for mower sickle section. 2,895,268, 7-21-59, Cl. 51-250.
- Martino, Albert J.: See—  
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- Martinoli, Sante T. Apparatus for increasing efficiency of internal combustion engines. 2,880,904, 6-9-59, Cl. 192-3.
- Martins, Thomas, to Rhymney Engineering Co. Ltd. Load holting and lowering skips. 2,901,281, 8-25-59, Cl. 294-69.
- Martinson, Edwin O., to Koehring Co. Automatic driving mechanism. 2,885,043, 5-5-59, Cl. 192-13.
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- Martire, Louis, Jr. Food tray. 2,878,932, 3-24-59, Cl. 206-72.
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- Martt, William E. Fender for vehicle trailer. 2,914,341, 11-24-59, Cl. 280-152.
- Marturano, Anthony G. Slide changer-recorder synchronizer. 2,889,742, 6-9-59, Cl. 88-28.
- Martuscello, Peter J., and M. G. Stermer, to Corning Glass Works. Sheet glass manufacture. 2,880,551, 4-7-59, Cl. 49-17.
- Marty, René. Magnetic talking machine. 2,909,616, 10-20-59, Cl. 179-100.2.
- Marty, Walter, to Maschinenfabrik Benninger A.-G. Apparatus for the treatment of products of fibrous material. 2,918,813, 12-29-59, Cl. 68-43.
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- Marugg, Frank P. Wheel clamp. Re. 2,471,2, 10-6-59, Cl. 70-225.
- Maruhn, Herbert F. W., to Daimler-Benz Akt. Motor vehicle transmission gear bracing means. 2,888,999, 6-2-59, Cl. 180-54.
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- Maruska, Edwin J., Jr. to E. V. Monfre. 2,905,329, 9-22-59, Cl. 211-13.
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- Maruyama, Taketo, T. Sakamoto, S. Tamura, E. Kawahara, and T. Okubo, to Toyo Rayon Co. Ltd. Apparatus for producing special rayon yarn. 2,896,252, 7-28-59, Cl. 18-8.
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- Marvin, Edgar S., and R. F. O'Brien, to Eastman Kodak Co. Double exposure prevention device. 2,874,624, 2-24-59, Cl. 95-31.
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- Marvin, George, to Marvin Landplane Co. Combination agricultural implement. 2,870,554, 1-27-59, Cl. 37-153.
- Marvin, Howard L., and P. G. Stimson, to The Standard Register Co. Record material processing machine. 2,911,905, 11-10-59, Cl. 101-93.
- Marvin, John T., to General Motors Corp. Ice block ejecting arrangement. 2,882,700, 4-21-59, Cl. 62-267.
- Marvin Landplane Co.: See—  
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- Marvin, Phillip R., to Union Carbide Corp. Method of gas plating. 2,905,573, 9-22-59, Cl. 117-60.
- Marvin, Phillip R., to Union Carbide Corp. Adhesive tape with a gas plated metal film for a conductor. 2,916,398, 12-8-59, Cl. 117-68.
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- Marx, John W., to Phillips Petroleum Co. Apparatus for measuring properties of gases. 2,908,819, 10-13-59, Cl. 250-43.5.
- Marx, Karl, and M. Stäubli, to Maschinenfabrik Schweiher A. G. Method of and arrangement for winding the starting end yarn on to pins in automatic weft pin winding machines. 2,867,388, 1-6-59, Cl. 242-27.
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- Marxer, Adrian, to Ciba Pharmaceutical Products, Inc. New hydroxy-quinones and process for preparing same. 2,893,991, 7-7-59, Cl. 260-239.
- Maryanski, John L., and M. L. Valentino, to Bardons & Oliver, Inc. Collet. 2,868,550, 1-13-59, Cl. 279-50.
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- Marzan, Peter R., to Times Facsimile Corp. Facsimile recording system. 2,877,297, 3-10-59, Cl. 178-6.6.
- Marzetta, Louis A., to United States of America, Commerce. Automatic tracking proximity gage. 2,871,432, 1-27-59, Cl. 318-31.
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- Marzolf, George B., Sr. Multiple piece pipe flange. 2,911,239, 11-3-59, Cl. 285-415.
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- Masinda, Albert G., to IBC Products, Inc. Locator pin. 2,879,599, 3-31-59, Cl. 33-125.
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- Hoesselbarth, Frank W. E. 2,867,244.  
Hoesselbarth, Frank W. E. 2,867,245.  
Hoesselbarth, Frank W. E. 2,882,845.  
Hoesselbarth, Frank W. E. 2,883,735.  
Hoesselbarth, Frank W. E. 2,884,012.  
Hoesselbarth, Frank W. E. 2,884,013.  
Hoesselbarth, Frank W. E. 2,891,582.  
Hoesselbarth, Frank W. E. 2,898,947.  
Hoesselbarth, Frank W. E. 2,905,202.  
Hoesselbarth, Frank W. E. 2,905,203.  
Hoesselbarth, Frank W. E. 2,908,296.
- MacCaffray, Rex S., Jr. 2,891,396.  
MacCaffray, Rex S., Jr. 2,907,191.  
MacCaffray, Rex S., Jr. 2,907,193.
- Masland, Charles H., 2nd. 2,880,684.
- Masland, Charles H., 2nd, deceased; C. H. Masland, 3rd and D. L. Masland, executors, to C. H. Masland & Sons. Formation of high and low pile by needling. 2,880,684, 4-7-59, Cl. 112-79.
- Masland, Charles H., 3rd: See—  
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- Masland, Daniel L.: See—  
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- Maslin, Thomas L., and O. A. Herman, to General Electric Co. Illuminated oil-tight pushbutton. 2,916,673, 12-8-59, Cl. 317-99.
- Maslow, John F., and R. J. Zettler, to Flight Refueling Inc. Check valve. 2,913,001, 11-17-59, 127-527.4.
- Maslow, Louis. Shelving unit. 2,894,643, 7-14-59, Cl. 211-148.
- Masnik, Walter, E. V. Romeo, and J. V. Zurlo, to Specialties Development Corp. Piston driving mechanism and lubricating means therefor. 2,877,653, 3-17-59, Cl. 74-60.
- Mason, Christopher A. Femoral nail. 2,874,691, 2-24-59, Cl. 128-92.
- Mason, Edward A., C. E. Tirrell, and T. A. Kirkham, to Ionics, Inc. Centered strap spacer for electrodialysis unit. 2,891,899, 6-23-59, Cl. 204-301.
- Mason, Edward M., to Impax, Inc. Hydraulically damped spring-biased pistons and cylinders. 2,905,458, 9-22-59, Cl. 267-1.
- Mason, Edwin. Cigarette holder. 2,884,930, 5-5-59, Cl. 131-175.
- Mason, Francis G.: See—  
Counterdash, Louis E., and Mason. 2,868,984.
- Mason, Francis G., to Aladdin Industries Inc. Cam drive for tuners. 2,883,864, 4-28-59, Cl. 74-10.6.
- Mason, Francis G., to Aladdin Industries, Inc. Ultrahigh frequency tuner. 2,913,683, 11-17-59, Cl. 333-82.
- Mason, Frederick P., to Creed & Co. Ltd. Facsimile recording apparatus. 2,889,398, 6-2-59, Cl. 178-4.1.
- Mason, Frederick P., and R. G. Stemp, to Creed & Co. Ltd. Printing telegraph transmitter control. 2,903,106, 9-8-59, Cl. 192-02.
- Mason, Frederick P., and G. J. L. Stevens, to Creed & Co. Ltd. Power supply equipment. 2,916,682, 12-8-59, Cl. 318-171.
- Mason, Hal F., and A. E. Long. Venetian blind bottom rail and clip. 2,868,282, 1-13-59, Cl. 160-173.
- Mason, Hal F., and A. E. Long. Venetian blind slat and clip. 2,868,283, 1-13-59, Cl. 160-173.
- Mason, Hal F., and A. E. Long. Venetian blind. 2,868,284, 1-13-59, Cl. 160-177.
- Mason, Harry L., and D. L. Noble, to Sperry Rand Corp. Electronic computing circuits utilizing enhancement amplifiers. 2,908,830, 10-13-59, Cl. 307-88.6.
- Mason, Henry L., to United States of America, Commerce. Mass flowmeter. 2,896,450, 7-28-59, Cl. 73-194.
- Mason, Homer R. Drapery traverse rods. 2,880,935, 4-7-59, Cl. 248-263.
- Mason, Jack S.: See—  
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- Mason, James A., and H. H. Duff, to Machinery Electrification, Inc. Colling apparatus. 2,870,972, 1-27-59, Cl. 242-25.
- Mason, James H. Colostomy device. 2,869,548, 1-20-59, Cl. 128-283.
- Mason, Maurice M. Ignition distributor. 2,879,346, 3-24-59, Cl. 200-21.
- Mason, Richard C., Jr., to M. J. McNulty, Jr. Plunger pump. 2,906,210, 9-29-59, Cl. 103-158.
- Mason, Richard J., to Bendix Aviation Corp. Accumulator. 2,873,682, 2-17-59, Cl. 103-52.
- Mason, Robert S., to The Dow Chemical Co. Film slip tester. 2,887,874, 5-26-59, Cl. 73-9.
- Mason, Robert W., and A. W. Yodis, to Allied Chemical Corp. Apparatus for production of high purity elemental silicon. 2,912,311, 11-10-59, Cl. 23-277.
- Mason, Samuel J., to United States of America, Navy. Metal-plate lens microwave antenna. 2,884,629, 4-28-59, Cl. 343-753.
- Mason Silk Co., The: See—  
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- Mason, Stanley A. Spinning fish lure. 2,911,751, 11-10-59, Cl. 43-42.06.
- Mason, Veyne V. Rotary seal structure. 2,915,326, 12-1-59, Cl. 286-5.
- Mason, Vincent L., to Boston Mfg. Co. Moisture detector. 2,872,668, 2-3-59, Cl. 340-235.
- Mason, Walker, and S. J. Biello, to Avco, Inc. Line hydraulic pressure relief valve. 2,884,952, 5-5-59, Cl. 137-494.
- Mason, Walter A. Product for effecting a cold chemical oxidation of copper and its alloys. 2,878,149, 3-17-59, Cl. 148-6.24.
- Mason, Warren P.: See—  
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- Mason, Warren P., to Bell Telephone Laboratories, Inc. Metal connection. 2,870,241, 1-20-59, Cl. 174-94.
- Mason, Warren P., to Bell Telephone Laboratories, Inc. Ferroelectric torsional transducer. 2,880,334, 3-31-59, Cl. 310-9.6.
- Mason, Warren P., to Bell Telephone Laboratories, Inc. Piezoelectric switching device. 2,883,486, 4-21-59, Cl. 200-87.
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- Mason, Warren P., to Bell Telephone Laboratories, Inc. Method and apparatus for eliminating mechanical vibrations in aerial cables. 2,907,811, 10-6-59, Cl. 174-42.
- Mason, Warren P., and R. N. Thurston, to Bell Telephone Laboratories, Inc. Torsional vibrational wave filters and delay lines. 2,906,971, 9-29-59, Cl. 333-71.
- Mason, Willard F., to N. Anton. Printed circuit connector. 2,882,511, 4-14-59, Cl. 339-176.
- Mason, William G.: See—  
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- Mason, Wylie A., Jr., to International Harvester Co. Control apparatus for agricultural implement. 2,869,656, 1-20-59, Cl. 172-458.
- Masonite Corp.: See—  
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- Masonson, Martin: See—  
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- Masonson, Martin, to International Telephone and Telegraph Corp. Correlation system. 2,906,956, 9-29-59, Cl. 324-83.
- Massachusetts Institute of Technology: See—  
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- Massarani, Elena: See—  
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Cavallini, Guido, and Massarani. 2,893,963.
- Massari, Frank. Waste basket holder. 2,877,976, 3-17-59, Cl. 248-313.
- Massari, Joseph. Contractile tool holder. 2,905,028, 9-22-59, Cl. 77-4.
- Massaro, Frank J. Game apparatus. 2,902,284, 9-1-59, Cl. 273-144.
- Massat, Heinz: See—  
Indest, Heinz, Massat, and Stohr. 2,884,414.
- Masse, Francis X.: See—  
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- Masselin, Jacques G., to Compagnie Française Thomson-Houston. Search receiver with stop-on-signal means having sawtooth oscillator halted responsive to signal. 2,884,519, 4-28-59, Cl. 250-20.
- Masson, Armand: See—  
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- Masson, Armand, to The S. S. White Dental Mfg. Co. High speed handpiece. 2,879,594, 3-31-59, Cl. 32-26.
- Massengale, John T.: See—  
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- Massengale, John T., and R. H. Elliott, Jr., to Pennsalt Chemicals Corp. Chemical composition and process for aluminum etching. 2,872,301, 2-3-59, Cl. 41-42.
- Massengill, Robert T. Apparatus for preparing hams. 2,893,051, 7-7-59, Cl. 17-11.
- Massengill, S. E., Co., The: See—  
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- Masser, Lloyd D., to Neway Equipment Co. Axle mounting for running gear for automotive vehicles. 2,907,579, 10-6-59, Cl. 280-124.
- Masser, Albert G., to Curtiss-Wright Corp. Transient load compensating system for hydraulic governors. 2,910,968, 11-3-59, Cl. 121-42.
- Masser-Ferguson Inc.: See—  
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Ashton, Robert. 2,886,016.  
Beck, Henry E. 2,869,665.  
Bolkowski, Jerzy, and Hockey. 2,875,768.  
Björre, Peder. 2,881,956.  
Davis, Charles J. 2,883,067.  
Davis, Charles J. 2,897,986.  
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Gardner, Guy F. 2,907,396.  
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Klemm, Herman G. 2,875,840.  
Krause, Leonard M. 2,912,089.  
Miller, William G. 2,885,953.  
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Peterson, Merton W. 2,886,114.  
Rogers, Ivor C. 2,906,353.  
Todd, Everett W. 2,915,130.  
Tomlinac, George T. 2,891,459.  
Wathen, William A. 2,910,932.



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 Masster, Walter. Special purpose chuck. 2,894,758, 7-14-59, Cl. 279—56.  
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 Frey, Edward. 2,907,085.  
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Matonak, Lawrence A.: See—  
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Matsu, Yoshiharu: See—  
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Matsuoka, Toshio. Nursing bottle holder. 2,909,345, 10-20-59, Cl. 248-108.  
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Matter, George H.: See—  
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Matter, Gustave O. Measuring dispenser. 2,896,826, 7-28-59, Cl. 222-455.  
Matter, Gustave O. Measuring dispenser. 2,899,115, 8-11-59, Cl. 222-455.  
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Matter, Theodore S., A. I. Bates, and F. L. Brandau, to American Viscose Corp. Method for applying finish to filamentary yarns. 2,888,363, 5-26-59, Cl. 117-58.  
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Mattes, Alan P. Folding box. 2,868,404, 1-13-59, Cl. 217-14.  
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Matthews, Benjamin H. Method of regenerating a zeolite bed. 2,902,445, 9-1-59, Cl. 210-35.  
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Matthews, Earnest P., to Haloid Xerox Inc. Method for development of electrostatic images. 2,877,132, 3-10-59, Cl. 117-17.5.  
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- Matthews, Howard W., and W. K. Wyatt, to Turbo Machine Co. Apparatus for curling textile yarns. 2,875,502, 3-3-59, Cl. 28-1.
- Matthews, Jennie, to Westinghouse Electric Corp. Turbine apparatus. 2,899,822, 8-18-59, Cl. 73-136.
- Matthews, John T., to Wil-Mat Corp. Swivel bearing. 2,895,770, 7-21-59, Cl. 308-227.
- Matthews, Joseph S., to Mine Safety Appliances Co. Combination sampling-testing device. 2,890,797, 6-16-59, Cl. 210-488.
- Matthews, Kenneth A., and R. A. Hyman, to International Standard Electric Corp. Electronic distributor devices. 2,886,739, 5-12-59, Cl. 315-12.
- Matthews, Lawrence J.: See—
- Loizzo, John R., and Matthews. 2,876,639.
- Matthews, Lyle E., and E. Q. Smith, Jr. Shock and vibration isolation device. 2,874,826, 2-24-59, Cl. 206-1.
- Matthews, Merton L., to Marxon Automatic Machinery Co. Feeding and stacking method and machine. 2,906,530, 9-29-59, Cl. 271-88.
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- Matthews, Robert M.: See—
- Bennett, Garland E., Matthews, and Bailey. 2,898,023.
- Bolles, James C., Matthews, and Bobo. Re. 24,737.
- Matthews, Russell B., to Baso Inc. Fuel flow control device. 2,872,972, 2-10-59, Cl. 158-129.
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- Matthews, Russell B., to Baso Inc. Fuel control apparatus. 2,875,773, 3-3-59, Cl. 137-66.
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- Matthews, Russell R., to Atlantic Industries, Inc. Anti-solting treatment of carpet and rug backing yarns and fibers. 2,876,141, 3-3-59, Cl. 117-139.5.
- Matthews, Russell B., to Baso Inc. Fluid pressure operated control devices. 2,876,951, 3-10-59, Cl. 236-84.
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- Matthews, Russell B., to Minnesota Mining and Mfg. Co. Control apparatus using thermoelectric power. 2,892,591, 6-30-59, Cl. 236-9.
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- Matthews, Russell B., to Baso Inc. Combination control device. 2,909,219, 10-20-59, Cl. 158-131.
- Matthews, Russell B., to Baso Inc. Homopolar motor. 2,914,688, 11-24-59, Cl. 310-178.
- Matthews, Russell B., to Baso Inc. Modulating and safety shut-off fuel control device. 2,917,239, 12-15-59, Cl. 236-1.
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- Matthews, Stanley R., T. J. Darlington, and M. G. Sheets. Safety mercury switch. 2,899,522, 8-11-59, Cl. 200-152.
- Matthews, Stephen J.: See—
- Bisby, Harry, Chapman, and Matthews. 2,891,699.
- Matthews, Thomas A., II, to Phillips Petroleum Co. Centrifugal separation. 2,905,380, 9-22-59, Cl. 233-27.
- Matthews, William R. Wood wafer cutting machine. 2,876,811, 3-10-59, Cl. 144-162.
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- Matthias, Bernd T., to Bell Telephone Laboratories, Inc. Ferroelectric devices. 2,901,679, 8-25-59, Cl. 317-262.
- Matthias, Lynn H.: See—
- Kuhn, Edward H., and Matthias. 2,919,327.
- Matthies, Robert W.: See—
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- Matthieu, Johannes, to International Standard Electric Corp. Relay chains comprising magnetic counting or storing relays. 2,896,129, 7-21-59, Cl. 317-140.
- Matthysse, Irving F.: See—
- Dupre, Henry P., and Matthysse. 2,895,002.
- Matthysse, Irving F., and H. W. Bullinger, to Burndy Corp. Fuse receptacle. 2,903,539, 9-8-59, Cl. 200-129.
- Mattiat, Oskar E., to Clevite Corp. Electromechanical filter elements. 2,877,432, 3-10-59, Cl. 333-72.
- Mattil, Karl F.: See—
- Simms, Rex J., Mattil, and Lehmann. 2,872,465.
- Mattimoe, George E., E. G. Stehn, and G. R. Giannini. Automatic taring device. 2,903,231, 9-8-59, Cl. 249-63.
- Mattingly, Charles D.: See—
- Kice, Jack W., and Mattingly. 2,875,593.
- Mattingly, John J.: See—
- Mattingly, Ralph J. and J. J. 2,868,403.
- Mattingly, Lawrence J., to Motorola, Inc. Television receiver. 2,876,342, 3-3-59, Cl. 250-20.
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- Mattison, Edwin L., to E. I. du Pont de Nemours and Co. Chemical process. 2,868,822, 1-13-59, Cl. 260-437.
- Mattison, Robert J., Jr.: See—
- Peterson, Clarence J. and C. L., and Mattison. 2,899,066.
- Mattner, Joachim, to Schering A. G. Process of producing chloranil. 2,872,461, 2-3-59, Cl. 260-396.
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- Matton, Ernest E., to E. Braverman. Exercising chair. 2,915,055, 12-1-59, Cl. 128-25.
- Mattox, Milton E. Sighting level. 2,900,159, 8-18-59, Cl. 248-229.
- Mattox and Moore, Inc.: See—
- Mattox, William E., and Moore. 2,881,112.
- Mattox, Ralph F., Sr. Transportation system. 2,903,526, 9-8-59, Cl. 191-49.
- Mattox, William E., and F. C. Moore, to Mattox and Moore, Inc. Hormone composition for improving meat production efficiency and method for using same. 2,881,112, 4-7-59, Cl. 167-53.1.
- Mattox, William J.: See—
- Kimberlin, Charles N., Jr., and Mattox. 2,902,428.
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- Mattox, William J., to Esso Research and Engineering Co. Regeneration process. 2,877,174, 3-10-59, Cl. 208-136.
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- Mattox, William J., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Removal of metal contaminants from a hydrocarbon feed. 2,884,369, 4-28-59, Cl. 208-91.
- Mattox, William J., and W. F. Arey, Jr., to Esso Research and Engineering Co. Alkylation of aromatics. 2,904,607, 9-15-59, Cl. 260-671.
- Matts, Sigvard, to AB Svenska Flaktfabriken. Electrofilters. 2,884,087, 4-28-59, Cl. 183-7.
- Mattson, Charles A.: See—
- Mall, Arthur W., Mattson, and Ziegler. 2,895,466.
- Mattson, Charles A., to Remington Arms Co., Inc. Automatic chain oiler for chain saw. 2,883,000, 4-21-59, Cl. 184-15.
- Mattson, Harry L.: See—
- Provi, Mike A., and Mattson. 2,875,999.
- Mattson, Raymond C.: See—
- Gerrard, Jack A., and Mattson. 2,918,442.
- Mattson, Roy H., to Bell Telephone Laboratories, Inc. Transistor blocking oscillator. 2,906,893, 9-29-59, Cl. 307-88.5.
- Mattsson, Gosta A. E., to Telefonaktiebolaget L. M. Ericsson. Device for transmission of electric power with large frequency range. 2,909,737, 10-20-59, Cl. 333-96.
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- Matuzak, Alfred H., and A. J. Morway, to Esso Research and Engineering Co. Synthetic lubricating composition. 2,889,281, 6-2-59, Cl. 252-49.6.
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- Matz, Norman, to Thompson Products, Inc. Control system for transmission. 2,914,965, 12-1-59, Cl. 74-687.
- Matz, Wayne C.: See—
- Beenling, Dale E., and Matz. 2,904,710.

- Matzen, Julius C. Automatic feeding machines. 2,915,308, 12-1-59, Cl. 271-5.
- Matzenauer, Brother B. Electric toaster. 2,918,800, 12-29-59, Cl. 99-335.
- Matzinger, Charles P., to The Mountain Copper Co., Ltd. Copper pentachlorophenolate solution. 2,901,395, 8-25-59, Cl. 167-42.
- Matzner, Simon. Longitudinal expandable shoe tree. 2,890,469, 6-16-59, Cl. 12-115.6.
- Matzuk, Alexander R.: See—
- Brown, Horace D., and Matzuk. 2,888,380.
- Mau, Clayton C. Animal trap. 2,894,353, 7-14-59, Cl. 43-88.
- Mauborgne, Paul. Variable drive device for fishing winches. 2,918,227, 12-22-59, Cl. 242-83.21.
- Mauch, Hans A. Ventilator cover. 2,897,741, 8-4-59, Cl. 95-1.
- Mauch, Hans A. Reading machine. 2,907,833, 10-6-59, Cl. 179-100.1.
- Mauck, Arthur R., and J. M. Zorad, to General Motors Corp. Oil mist turbine lubrication. 2,886,133, 5-12-59, Cl. 184-6.
- Maude, William A., to General Electric Co. Condition responsive apparatus. 2,903,321, 9-8-59, Cl. 346-17.
- Maudsley, Roy H., and E. Matthews. Orthopaedic appliances. 2,886,030, 5-12-59, Cl. 128-75.
- Mauduech, Robert R. Phase shifting and modulating device. 2,887,662, 5-19-59, Cl. 332-16.
- Mauer, John A., to The Weber Dental Mfg. Co. Fluid-driven dental handpiece construction. 2,897,596, 8-4-59, Cl. 32-27.
- Mauerhoff, Galt H. Protective disc for phonograph records. 2,906,536, 9-29-59, Cl. 274-1.
- Mauersberger, Heinrich, to VEB Tullmaschinenbau Karl-Marx-Stadt. Textile material and manufacture. 2,890,579, 6-16-59, Cl. 66-192.
- Maughan, John, to International Harvester Co. Hitch device. 2,912,258, 11-10-59, Cl. 280-479.
- Maul Pineapple Co., Ltd.: See—
- Bainbridge, Marvin. 2,917,989.
- Maul, John A., to Addressograph-Multigraph Corp. Printing machines. 2,909,998, 10-27-59, Cl. 101-269.
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- Maul, Michael. Feeding devices for record card machines. 2,878,114, 2-10-59, Cl. 270-58.
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- Koibe, Frank F. 2,903,969.
- Maudner, Claude A., to Masson Seeley and Co. Ltd. Marking of heat-stable objects. 2,887,051, 5-19-59, Cl. 101-426.
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- Neisler, Charles E., Jr., and Mauney. 2,872,690.
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- Maunoury, Francois M. L.: See—
- Kadosch, Marcel. Le Foll, Maunoury, and Bertin. 2,868,479.
- Maupin, Elwood F. Merchandise display shelf. 2,891,679, 6-23-59, Cl. 211-134.
- Maupin, Joseph T., to Minneapolis-Honeywell Regulator Co. Tetraode transistor amplifier. 2,915,602, 12-1-59, Cl. 179-171.
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- Maure, Douglas R.: See—
- Morcerf, Francis J., Jr., and Maure. 2,869,068.
- Maure, Douglas R., and R. W. Kettlety, to General Electric Co. Function generator. 2,907,888, 10-6-59, Cl. 250-217.
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- Maurer, Edwin R., to Chrysler Corp. Power transmission. 2,916,928, 12-15-59, Cl. 74-336.
- Maurer, Elmer W.: See—
- Stirton, Alexander J., Well, and Maurer. 2,915,473.
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- Maurer, Erwin H. Dental X-ray film holder. 2,899,559, 8-11-59, Cl. 250-70.
- Maurer, Eugen, to Rollenlager-Spindelfabrik "Spintex" G. m. b. H. Top rolls for drawing systems of ring spinning frames. 2,873,484, 2-17-59, Cl. 19-142.
- Maurer, Hans. Water closet appliance. 2,872,687, 2-10-59, Cl. 4-7.
- Maurer, James I.: See—
- Cavanagh, Walter R., and Maurer. 2,874,081.
- Maurer, Pierre W., and H. L. Blust, to Radio Corp. of America. Lead wire feeding device. 2,873,835, 2-17-59, Cl. 193-2.
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- Maurice, Clayton H., Jr., to Toledo Scale Corp. Inking means for rotary printing apparatus. 2,895,415, 7-21-59, Cl. 101-228.
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- Gilson, Andre, Quiquerez, and Maurin. 2,886,521.
- Maurits, Orville C.: See—
- Bower, Ernest P., Maurits, and Stelma. 2,905,497.
- Mauro, Daniel A. Cutting device for rotary mowers. 2,908,128, 10-13-59, Cl. 56-295.
- Maury, Lucien G.: See—
- Dehm, Henry C., and Maury. 2,888,484.
- Maus, Lawrence L. Filtering apparatus. 2,877,901, 3-17-59, Cl. 210-391.
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- Mauthe, Friedrich, G. m. b. H.: See—
- Bertsch, Hans, and Stein. 2,867,971.
- Mauthe, Gustav: See—
- Eitel, Kurt, Schmidt, and Mauthe. 2,897,166.
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- Mautner, Henry R., to General Aniline & Film Corp. Continuous dyeing process. 2,888,313, 5-26-59, Cl. 8-54.
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- Mautner, Henry R., to General Aniline & Film Corp. Dyeing acrylic fibers. 2,890,093, 6-9-59, Cl. 8-34.
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- Gillespie, William. 2,898,098.
- Mawney, Robert G.: See—
- Grenier, Alme J., Beggs, and Mawney. 2,907,847.
- Mawson, Ronald: See—
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- Max, C. Willard: See—
- Thompson, Oliver T., and Cook. 2,909,089.
- Max, Nicolaas: See—
- Alders, Lucas, Max, and Tjepkema. 2,891,098.
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- Maxey, Alexander R., to Ampex Corp. Magnetic tape apparatus. 2,912,518, 11-10-59, Cl. 179-100.2.
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- Maxey, Hillis I., O. G. Steinhert, and R. J. Clougherty, to The Pillsbury Co. Packaging machines. 2,902,812, 9-8-59, Cl. 53-385.
- Maxey, Thomas J., to Hughes Aircraft Co. Frequency calibration system. 2,878,448, 3-17-59, Cl. 324-79.
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- Maxim Electronics Ltd.: See—
- Praeg, Walter F. 2,881,334.
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- Maxim, Myles S., to Monsanto Chemical Co. Production of titanium tetraiodide. 2,907,632, 10-6-59, Cl. 23-87.
- Maxim, Oren B., to Scovill Mfg. Co. Button loop fastener. 2,899,731, 8-18-59, Cl. 24-202.1.
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- Maximov, Michael. Sea-fishing kite. 2,912,782, 11-17-59, Cl. 43-27.2.
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- Fischer, Wilhelm A., and Lorenz. 2,912,477.
- Heuse, Otto L. 2,900,543.
- Maxson Automatic Machinery Co.: See—
- Matthews, Merton L. 2,906,530.
- Maxson, W. L. Corp.: See—
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- Grala, Edward M., and Maxwell. 2,910,356.
- Maxwell, William A. Method for improving the high-temperature strength and other properties of molybdenum disulfide and other intermetallic compounds. 2,898,660, 8-11-59, Cl. 25-156.
- Maxwell, William A., R. S. Gurnick, and A. C. Francisco, to United States of America, Navy. Article fabrication from powders. 2,893,102, 7-7-59, Cl. 25-156.
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- Adams, Arthur, and Slack. 2,871,243.
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- May, Claude H., to The Murray Corp. of America. Road vehicle door construction. 2,900,207, 8-18-59, Cl. 296-47.
- May, David E., and W. W. Steen, to Mar. San Mfg. Co. Baby cradle. 2,910,744, 12-15-59, Cl. 5-102.
- May, Don, Jr.: See—
- Austrow, Harold W., May, Neumann, and Szten. 2,876,916.
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- Taubenslag, Morris J., and May. 2,898,460.
- May, Edward M. Dirt shield for swivel joints. 2,872,217, 2-3-59, Cl. 285-45.
- May, Ernest C., to M. E. P. Co. Ltd. Shifting boards for ship's holds. 2,909,139, 10-20-59, Cl. 114-75.
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- May, Gordon H., to International Business Machines Corp. Selective clutching mechanism for reciprocating motion. 2,884,794, 5-5-59, Cl. 74-126.
- May, Harry C., to Westinghouse Air Brake Co. Fluid pressure brake apparatus. 2,889,175, 6-2-59, Cl. 303-59.
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- May, Howard F., to General Motors Corp. Power elements for thermostats. 2,873,633, 2-17-59, Cl. 73-358.
- May, James L. Strip shingle roofing. 2,867,180, 1-6-59, Cl. 108-7.
- May, James L. Brassiere cup. 2,908,275, 10-13-59, Cl. 128-425.
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- May, John E., to General Electric Co. Method for producing grain-oriented silicon steel. 2,867,558, 1-6-59, Cl. 148-111.
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- May, John J., and R. C. Ulrey, to General Motors Corp. Unit injector pump with pilot injection. 2,890,657, 6-16-59, Cl. 103-41.
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- May, Joseph C., to The Superior Electric Co. Multi-stage magnetic amplifier type of control. 2,896,153, 7-21-59, Cl. 323-89.
- May, Lawrence T., to Allen B. Du Mont Laboratories, Inc. Grid-cathode structure for cathode ray tubes. 2,886,729, 5-12-59, Cl. 313-85.
- May, Marvin M., to Tubular Structures Corp. of America. Clamping devices. 2,906,551, 9-29-59, Cl. 287-54.
- May, Maurice, to American Art Metals Co. Cart door bumper. 2,883,714, 4-28-59, Cl. 20-16.
- May, Oswald: See—
- Ziesche, Kurt, Kobus, and May. 2,905,020.
- May, Patrick L., to International Harvester Co. Wire twister for balers. 2,897,747, 8-4-59, Cl. 100-4.
- May, Walter G.: See—
- MacLaren, Donald D., May, and Swabb. 2,905,634.
- Schulman, Bernard L., and May. 2,886,518.
- May, Walter G., R. W. Winkler, and H. J. Ogorzaly, to Esso Research and Engineering Co. Desulfurization process employing metallic sodium on an inert carrier. 2,902,441, 9-1-59, Cl. 208-246.
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- Maybharduk, Leon A., to United States of America, Air Force. Mechanical integrator. 2,908,188, 10-13-59, Cl. 74-674.
- Mayberry, Joe L., and L. P. Giddings, to R. R. Street & Co., Inc. Combination washer-extractor and spray means. 2,895,321, 7-21-59, Cl. 68-148.
- Mayer, Clarence A., Jr.: See—
- Everitt, Allen L., Frederick, and Mayer. 2,879,090.
- Mayer, Edward F., to General Dynamics Corp. Electrostatic photography. 2,877,133, 3-10-59, Cl. 117-37.
- Mayer, Edward F., to General Dynamics Corp. Xerographic developer composition. 2,890,174, 6-9-59, Cl. 252-62.1.
- Mayer, Edward F., to General Dynamics Corp. Electrostatic printing. 2,892,709, 6-30-59, Cl. 96-1.
- Mayer, Edward F., to Horizons Inc. Memory device. 2,912,592, 11-10-59, Cl. 250-211.
- Mayer, Edward F., and V. E. Straughan, to Horizons Inc. Intermittent electrophotographic recorder. 2,878,120, 3-17-59, Cl. 96-1.
- Mayer, Edward F., and V. E. Straughan, to General Dynamics Corp. Developer for electrostatic printing. 2,891,911, 6-23-59, Cl. 232-62.1.
- Mayer, Edward F., and R. T. Joy, to General Dynamics Corp. Method and apparatus for developing electrostatic image. 2,913,353, 11-17-59, Cl. 117-37.
- Mayer, Eugene O., F. L. Walling, and W. C. Van Ness, to The Singer Mfg. Co. Rotary thread take-ups for sewing machines. 2,882,848, 4-21-59, Cl. 112-248.
- Mayer, Franz: See—
- Kaiser, Josef. 2,876,457.
- Mayer, Fred H. Volatile fumigant pad. 2,872,244, 2-3-59, Cl. 299-24.
- Mayer, Joseph E. Golf bag cart. 2,899,212, 8-11-59, Cl. 280-38.
- Mayer, Karl. Erste Hessische Wirkmaschinen-Fabrik G.m.b.H.: See—
- Kohl, Karl. 2,902,847.
- Mayer-Krapoll, Hermann, to Ruhr-Stickstoff Akt. Process of improving forest soil and arboreal growth. 2,874,035, 2-17-59, Cl. 71-1.
- Mayer, Max. Oscillating adjustable stroke mortising machine. 2,895,516, 7-21-59, Cl. 144-80.
- Mayer, Mayer, Jr., and J. I. Kotter, to United States of America, Agriculture. Fiber cleaner. 2,867,850, 1-13-59, Cl. 19-58.
- Mayer, Nathan. Knock down chair and stool assemblies. 2,876,828, 3-10-59, Cl. 155-196.
- Mayer, Oscar, & Co., Inc.: See—
- Eddison, William B. 2,914,059.
- Olson, Floyd C., and Turner. 2,888,351.
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- Mayer, Ralph: See—
- Castedello, William, Kaprellan, and Mayer. 2,905,050.
- Mayer, Rudolph: See—
- De Stevens, George, Heymann, and Mayer. 2,910,484.
- Mayer, Simon E., to International Standard Electric Corp. Low resistance contacts to germanium. 2,914,449, 11-24-59, Cl. 204-37.
- Mayer, Simon E., and J. M. Waddell, to International Standard Electric Corp. Magnetic control circuit. 2,907,885, 10-6-59, Cl. 260-212.
- Mayer, Victor K.: See—
- Asheim, Bernard B., and Mayer. 2,904,197.
- Mayer, Wilbur, to The Loudon Machinery Co. Enclosed electrified track and current collector. 2,918,540, 12-22-59, Cl. 191-23.
- Mayerle, Evan A.: See—
- Carmony, Don R., and Mayerle. 2,898,735.
- Carmony, Don R., Mayerle, and Zietz. 2,893,203.
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- Mayes, Fred M., to Sun Oil Co. Tubing caliper. 2,870,541, 1-27-59, Cl. 33-178.
- Mayes, Fred M., to Sun Oil Co. Tank gauge. 2,899,751, 8-18-59, Cl. 33-126.6.

- Mayes, Fred M., to Sun Oil Co. Impedance measuring device. 2,918,624, 12-22-59, Cl. 324-60.
- Mayes, Walter F. Bobbin dispenser. 2,879,122, 3-24-59, Cl. 312-71.
- Mayes, Wesley T.: See—
- Kaiser, Herman F., Mayes, and Willis. 2,883,569.
- Mayet, Pierre J.: See—
- Verges, Paul F., and Mayet. 2,914,280.
- Mayfair Molded Products Corp.: See—
- Adams, Glenn T. 2,869,100.
- Mayfield, Burleigh M. Line guide for fishing rods. 2,872,751, 2-10-59, Cl. 43-24.
- Mayhew, Elston J. Vending machine. 2,897,939, 8-4-59, Cl. 194-79.
- Mayhew, Raymond L.: See—
- Grifo, Richard A., and Mayhew. 2,872,332.
- Mayhew, Raymond L., J. P. Copes, and E. P. Williams, to General Aniline & Film Corp. Rust preventive compositions. 2,898,301, 8-4-59, Cl. 252-51.5.
- Mayhew, Raymond L., and C. F. Jellinek, to General Aniline & Film Corp. Corrosion preventive compositions. 2,899,391, 8-11-59, Cl. 252-56.
- Mayhew, William E., and P. de Card, to Republic Aviation Corp. Self-contained emergency fluid cylinder. 2,903,848, 9-15-59, Cl. 60-14.
- Maykuth, Daniel J.: See—
- Jaffee, Robert I., Ogden, and Markuth. 2,892,704.
- Maynard, Charles A., to The Indiana Steel Products Co. Magnetic chuck. 2,884,572, 4-28-59, Cl. 317-159.
- Maynard, Charles E.: See—
- May, John K., and Maynard. 2,874,419.
- Maynard, John A., and W. A. Rote, to Minneapolis-Honeywell Regulator Co. Measuring system. 2,874,350, 2-17-59, Cl. 324-57.
- Maynard, John A., and S. N. Wasserman, to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,908,168, 10-13-59, Cl. 5-6.
- Maynard, John T., to A. O. Smith Corp. Thrust bearing. 2,890,916, 6-16-59, Cl. 308-160.
- Maynard, Michael, to Gestetner Ltd. Collapsible containers. 2,891,700, 6-23-59, Cl. 222-92.
- Maynard, Ralph D., Jr., to Spencer-Hughes Corp. Merchandise package. 2,876,899, 3-10-59, Cl. 206-80.
- Maynard, Ralph D., Jr., to Washington Steel Products, Inc. Method and apparatus for packaging merchandise. 2,912,805, 11-17-59, Cl. 53-37.
- Maynard, Samuel J., to Kwik-Set Expansion Co. Expansion bolt and wedge with a cylindrical holding section. 2,900,863, 8-25-59, Cl. 85-2.
- Mayne, John E. O., to The British Iron and Steel Research Association. Cementiferous paints. 2,874,057, 2-17-59, Cl. 106-14.
- Mayne, Robert A. Beading machine. 2,897,873, 8-4-59, Cl. 153-59.
- Mayner, Thomas S., to Industrial Rayon Corp. Method for the manufacture and treatment of polyamide fibers. 2,871,090, 1-27-59, Cl. 8-151.1.
- Mayner, Thomas S., to Industrial Rayon Corp. Method and apparatus for handling a plurality of yarns. 2,903,841, 9-15-59, Cl. 57-25.
- Mayo, Alfred M., H. L. Walpole, and J. P. Nolan, to United States of America, Navy. Moisture-proof illuminated instrument. 2,868,959, 1-13-59, Cl. 240-21.
- Mayo, Clyde R., to Battelle Development Corp. Electric image development. 2,895,847, 7-21-59, Cl. 117-17.5.
- Mayo, Clyde R., and B. J. Wolfe, to Haloid Xerox Inc. Xerographic copier. 2,878,732, 3-24-59, Cl. 95-17.
- Mayo, Clyde R., and B. J. Wolfe, to Haloid Xerox, Inc. Electrophotographic camera apparatus. 2,892,391, 6-30-59, Cl. 95-17.
- Mayo, Edward L., to The Bishop and Babcock Mfg. Co. Power brake system for automobiles. 2,902,827, 9-8-59, Cl. 60-54.5.
- Mayo, Edward L., to The Bishop and Babcock Mfg. Co. Remotely controlled rear view mirror. 2,906,098, 9-29-59, Cl. 60-97.
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- Mayo, Frank R.: See—
- Miller, Alexander A., and Mayo. 2,911,436.
- Mayo, Frank R., to General Electric Co. Oxide formation. 2,870,276, 3-24-59, Cl. 260-348.5.
- Mayo, Howard A.: See—
- Harwood, Kenneth J., Mayo, and Bletzinger. 2,902,037.
- Mayo, Roy E., to Caterpillar Tractor Co. Air cooling for tractor steering mechanism. 2,869,659, 1-20-59, Cl. 180-6.2.
- Mayo, William. Vehicle safety wheel-flat tire roller. 2,879,821, 3-31-59, Cl. 152-158.
- Mayon, Leon, to United States of America, Navy. Knob lock. 2,881,867, 4-14-59, Cl. 188-73.
- Mayon, Leon, to W & M Corp. Fastening device. 2,900,865, 8-25-59, Cl. 85-36.
- Mayr, Otmir, to Dr. Ing. h.c.F. Porsche K.G. Traction attachment for wheeled tractors. 2,891,821, 6-23-59, Cl. 305-3.
- Mayrath, Thomas L., to Bendix Aviation Corp. Power transmission. 2,875,633, 3-3-59, Cl. 74-472.
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- Mayson, Herbert, to Textilose Ltd. Paper stick for supporting confections and method of making the same. 2,914,409, 11-24-59, Cl. 99-138.
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- Smith, Thomas R. 2,899,817.
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- Smith, Thomas R. 2,913,120.
- Smith, Thomas R. 2,915,158.
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- Mayville Boat Carrier, Inc.: See—
- Grinshaw, Perry L. 2,889,950.
- Mayville, Walter H. Wheel lift. 2,904,309, 9-15-59, Cl. 254-131.
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- Mazeka, Albert, to Milton Mfg. Co., Inc. Driveway signals. 2,886,807, 5-12-59, Cl. 340-396.
- Mazet, Charles. Shock absorbing device for the yarn carrier rods in flat knitting machines of the cotton type. 2,903,870, 9-15-59, Cl. 66-130.
- Mazur, Ferdinand J., and D. W. Barkley, to Libbey-Owens-Ford Glass Co. Rear view mirror. 2,900,872, 8-25-59, Cl. 88-77.
- Mazur, Nicholas, and R. R. Haskey, to Mack Trucks, Inc. Methods and apparatus for shipping buses having air suspension systems. 2,916,297, 12-8-59, Cl. 280-124.
- Mazur, Paul M. Ground anchor. 2,870,884, 1-27-59, Cl. 189-90.
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- Herbenar, Edward J., and Mazur. 2,880,025.
- Mazur, Yehuda: See—
- Sondheimer, Franz, and Mazur. 2,891,075.
- Mazurkiewicz, Edward J.: See—
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- Copeland, William M., and Mazzacane. 2,904,317.
- Mazzacatti, Roy P., O. D. Stephens, and A. S. Connors, to The Texas Co. Radioactivity measuring. 2,888,571, 5-26-59, Cl. 250-83.6.
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- Mazzarella, Daniel A., to Bendix Aviation Corp. Control for apparatus for treating smokestack gases and like effluents. 2,870,383, 1-20-59, Cl. 317-157.
- Mazzariel, James. Window brackets for curtains, draperies and the like. 2,895,701, 7-21-59, Cl. 248-263.
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- Mazzio, Anthony J., G. P. Niesen, G. E. Engelstad, and E. H. Du Bois, to A. B. Dick Co. Feed mechanism and interrupter for duplicating machines. 2,895,416, 7-21-59, Cl. 101-245.
- Mazzlotti, Phillip J.: See—
- Burkhalter, Robert R., and Mazzlotti. 2,897,023.
- Mazzola, Ambrose. Overhead travelling crane interlock system. 2,891,484, 6-23-59, Cl. 104-98.
- Mazzola, Ambrose, and V. V. Mappin, said Mappin assor. to Calabar Corp. Support for bridges of overhead travelling cranes. 2,884,871, 5-5-59, Cl. 105-148.
- Mazzola, Anthony. Clamp nailing apparatus. 2,903,699, 9-15-59, Cl. 1-149.
- Mazzucchelli, Arthur P., T. E. Bugel, and L. Rosenthal, to Union Carbide Corp. Resistance heating of plastic-metal fiber articles and articles made thereby. 2,909,752, 10-20-59, Cl. 338-226.
- McAdam, John C., to International Electronic Research Corp. Tuning system for toroid inductors. 2,915,637, 12-1-59, Cl. 250-40.
- McAdam, Raymond L.: See—
- Shaler, Richard G., McAdam, and Baalman. 2,916,377.
- McAdam, Will, and J. H. Moore, to Leeds and Northrup Co. Negative feedback amplifiers. 2,901,563, 8-25-59, Cl. 179-171.
- McAfee, Ernest. 1/4 to A. Yalen, and 1/4 to R. Yalen. Spring metal U-shaped anchor. 2,887,002, 5-19-59, Cl. 85-24.
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- McAfee, Jerry, to Gulf Research & Development Co. Transfer of fluidized solids. 2,892,772, 6-30-59, Cl. 208-164.
- McAfee, Jerry, to Gulf Research & Development Co. Method of cooling and granulating petroleum pitch. 2,896,261, 7-28-59, Cl. 18-47.2.
- McAfee, Kenneth B., Jr.: See—
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 McAuley, James H., to McAuley Mfg., Inc. Sprocket chain. 2,889,915, 6-9-59, Cl. 198-176.  
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- McClure, Kenneth R.: See—  
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- McClure, Robert, to General Motors Corp. Safety steering wheel. 2,895,345, 7-21-59, Cl. 74-493.
- McClure, Robert, to General Motors Corp. Automobile door hinge. 2,915,780, 12-8-59, Cl. 16-153.
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- McCombs, Eugene W. Casket and vault. 2,916,797, 12-15-59, Cl. 27-35.
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- McConica, Thomas H., III. Ski rigging apparatus. 2,918,234, 12-22-59, Cl. 244-102.
- McConaughy, Robert K. Variable diameter tensed ring piston. 2,895,773, 7-21-59, Cl. 309-23.
- McConnell, Clint P. Tissue roll holder. 2,889,122, 6-2-59, Cl. 242-55.3.
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- McConnell, Richard L.: See—  
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- McConnell, Thomas E. Fishing line meter. 2,874,477, 2-24-59, Cl. 33-129.
- McConnell, Vincent P.: See—  
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- McConnell, Wayne V.: See—  
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- McConnell, William J. Preset control system for open-hearth furnace. 2,919,122, 12-29-59, Cl. 263-15.
- McConnell, William M., to Taylor-Wilson Mfg. Co. Pipe expansion and testing apparatus. 2,907,202, 10-6-59, Cl. 73-49.6.
- McConlogue, Edward J. Fire escape ladder. 2,901,056, 8-25-59, Cl. 182-85.
- McConlogue, Edward J. Fire escape. 2,905,261, 9-22-59, Cl. 182-85.
- McCord, Andrew T. Process of extracting and recovering columbium and tantalum values from their ores and products thereof. 2,888,320, 5-26-59, Cl. 23-88.
- McCord, Andrew T., and D. R. Spink, to The Carborundum Co. Electrolytic polishing of zirconium, hafnium and their alloys. 2,904,479, 9-15-59, Cl. 204-140.5.
- McCord, Harold A., to MLLK Corp. Coating composition and process. 2,885,295, 5-5-59, Cl. 106-2.
- McCord, Harold E. Power substitution circuit. 2,868,096, 1-13-59, Cl. 307-64.
- McCord, Henry L. Thyatron variable-width-pulse generator. 2,869,038, 1-13-59, Cl. 315-230.
- McCord, Wilfred M., Jr.: See—  
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- McCorkell, Kenneth M. Ceiling structure. 2,910,738, 11-3-59, Cl. 20-4.
- McCorkle, Willard H., to United States of America, Atomic Energy Commission. Positioning device. 2,894,647, 7-14-59, Cl. 214-1.
- McCormack, Charles E.: See—  
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- McCormack, Donald C., to J. A. Wilson Lighting & Display Ltd. Globe support. 2,918,569, 12-22-59, Cl. 240-128.
- McCormack, Foster D., to Minnesota and Ontario Paper Co. Fiber board positioner. 2,892,213, 6-30-59, Cl. 18-17.
- McCormack, Leonard J., Jr.: See—  
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- Tavender, Walter K., and McCormack. 2,878,360.
- Tavender, Walter K., and McCormack. 2,913,564.
- McCormack, William B., and H. E. Schroeder, to E. I. du Pont de Nemours and Co. Organophosphorus polymers. 2,891,915, 6-23-59, Cl. 260-2.
- McCormack, William H., to The Garrett Corp. Electronic temperature regulating apparatus. 2,889,112, 6-2-59, Cl. 236-9.
- McCormick, Charles E. Glare shield for curved windshields. 2,874,706, 9-29-59, Cl. 296-97.
- McCormick, Charles W., Jr., to M. F. Steward. Window blind. 2,882,563, 4-21-59, Cl. 20-63.
- McCormick & Co., Inc.: See—  
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- McCormick, Dale B., to General Motors Corp. Track closure. 2,891,822, 6-23-59, Cl. 305-10.
- McCormick, Francis H., to General Motors Corp. Domestic appliance. 2,870,313, 1-20-59, Cl. 219-20.
- McCormick, Francis H., to General Motors Corp. Washing and extracting machine. 2,879,655, 3-31-59, Cl. 68-23.
- McCormick, Frank, to Federal Carton Corp. Carton for bottles or the like. 2,884,181, 4-28-59, Cl. 229-41.
- McCormick, Frank, to Federal Carton Corp. Display stand. 2,911,106, 11-3-59, Cl. 211-69.
- McCormick, Gayle R. Lathro spindle stop. 2,871,023, 1-27-59, Cl. 279-31.
- McCormick, Jerry R. D.: See—  
Winterbottom, Robert, Mendelsohn, Muller, and McCormick. 2,899,422.
- McCormick, Jerry R. D., U. Hirsch, E. R. Jensen, and N. O. Sjoland, to American Cyanamid Co. 6-demethyltetra-cyclines and methods for preparing the same. 2,878,289, 3-17-59, Cl. 260-559.
- McCormick, John, Jr., to J. Murnighan. Scaffold assembly. 2,876,048, 3-3-59, Cl. 304-40.
- McCormick, John M., to Owens-Illinois Glass Co. Electronic memory device for article sorting apparatus. 2,873,855, 2-17-59, Cl. 209-90.
- McCormick, John M., to Owens-Illinois Glass Co. Comparing and measuring values by use of X-rays. 2,890,347, 6-9-59, Cl. 250-83.3.
- McCormick, John M., to Owens-Illinois Glass Co. Means for cooling glass forming molds. 2,901,865, 9-1-59, Cl. 49-40.
- McCormick, Martin M., to Sinclair Refining Co. Method of preparing an anhydrous calcium grease. 2,915,467, 12-1-59, Cl. 252-39.
- McCormick, Robert F., to Automatic Switch Co. Pilot-operated three-way valve. 2,881,801, 4-14-59, Cl. 137-620.
- McCormick, Robert H.: See—  
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- McCosh, Andrew K. Light buoys. 2,908,810, 10-13-59, Cl. 240-52.
- McCosh, Frederick L., to Thoreson-McCosh, Inc. Plastic granule dryer and conveyor. 2,916,531, 12-15-59, Cl. 34-57.
- McCourt, William D., to H. M. Hobson, Ltd. Fuel supply systems for gas turbine engines. 2,896,700, 7-28-59, Cl. 158-36.4.

- McCowan, Max C., and P. F. Wiley, to Eli Lilly and Co. Thiadiazobenzene anthelmintic compositions and methods of using them. 2,893,914, 7-7-59, Cl. 167-53.
- McCown, Everett E.: See—  
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- McCown, Fred M.: See—  
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- McCown, William E.: See—  
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- McCown, William E., and J. W. McAuley, to Libbey-Owens-Ford Glass Co. Vibratory devices. 2,890,354, 6-9-59, Cl. 310-26.
- McCoy, Claudius T., to Philco Corp. Modular circuitry. 2,894,077, 7-7-59, Cl. 179-171.
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- McCoy, Donald H. Book indexes. 2,903,277, 9-8-59, Cl. 283-39.
- McCoy, Ewald H. Electrodepositing copper. 2,876,178, 3-3-59, Cl. 204-52.
- McCoy, George, C. E. Inman, and G. D. Kyker, to Pennsalt Chemicals Corp. Dehydrohalogenation of benzene hexachloride. 2,914,573, 11-24-59, Cl. 260-650.
- McCoy, Howard M.: See—  
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- McCoy, Paul B.: See—  
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- McCoy, Hawley D.: See—  
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- McCoy, Hawley D., and S. Godet, to Reeves Instrument Corp. Apparatus for automatically positioning a movable object. 2,889,508, 6-2-59, Cl. 318-30.
- McCoy, Robert E., and M. V. Kalfalan. Cross-talk neutralization in color pick-up tube. 2,901,531, 8-25-59, Cl. 178-5.4.
- McCoy, Robert L., and J. Kaminski, Jr., to General Electric Co. Shielding means for dead ended double conductor installations. 2,899,484, 8-11-59, Cl. 174-144.
- McCoy, Thomas A., to Carando Machine Works. Sealing unit for drum testers. 2,880,610, 4-7-59, Cl. 73-49.2.
- McCoy, Thomas A., to Carando Machine Works. Elevating and centering device for cylindrical bodies. 2,901,085, 8-25-59, Cl. 198-29.
- McCoy, William K.: See—  
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- McCracken, James W. Packing crate for sheets or the like. 2,901,102, 8-25-59, Cl. 206-60.
- McCracken, John H., and L. Jacobson, to Diamond Alkali Co. Fire extinguishing composition. 2,912,379, 11-10-59, Cl. 252-7.
- McCrary, Homer T. Retractable ripper tooth. 2,912,774, 11-17-59, Cl. 37-145.
- McCray, Maurice C., and W. Doble, to Jabsco Pump Co. Pump control system. 2,918,011, 12-22-59, Cl. 103-23.
- McCready, William B. Building panels. 2,914,150, 11-24-59, Cl. 189-86.
- McCreary, Elmer J., to Phillips Petroleum Co. Method of treating absorber solution used in gas purification. 2,890,931, 6-16-59, Cl. 23-3.
- McCreary, Harold J., to General Telephone Laboratories, Inc. Register-sender system employing magnetic storage. 2,872,525, 2-3-59, Cl. 179-18.
- McCreary, Harold J., to General Telephone Laboratories, Inc. High speed recorder system. 2,894,799, 7-14-59, Cl. 346-74.
- McCreary, Harold J., to General Telephone Laboratories, Inc. Magnetostrictive relay. 2,896,044, 7-21-59, Cl. 200-87.
- McCreary, Harold J., to General Telephone Laboratories, Inc. Electromagnetic relay. 2,899,520, 8-11-59, Cl. 200-104.
- McCreary, Harold J., to General Telephone Laboratories, Inc. Code switch. 2,918,349, 12-22-59, Cl. 200-98.
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- McCroskey, Robert D., to E. I. du Pont de Nemours and Co. Snubbing pin for drawing yarn. 2,886,926, 5-19-59, Cl. 51-288.
- McCrosen, Fred C., P. W. Vittum, and A. Weissberger, to Eastman Kodak Co. Benzoylacet-o-alkoxyanilide couplers for color photography. 2,875,057, 2-24-59, Cl. 96-100.
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- McCue, James M., to United States of America, Army. Code transmitting apparatus. 2,885,664, 5-5-59, Cl. 340-365.
- McCuen, Burton A., to Independent Lock Co. Boring jig construction. 2,886,989, 5-19-59, Cl. 77-62.
- McCulley, James M., to Radio Corp. of America. Step-wave generator with means to adjust and measure height of any step. 2,874,280, 2-17-59, Cl. 250-27.
- McCulloch Corp.: See—  
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- Gudmundsen, Austin. 2,905,209.
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- Saunborn, Daniel S. 2,916,023.
- McCulloch, Thomas B., to Jersey Production Research Co. Permanent well completion apparatus. 2,894,587, 7-14-59, Cl. 166-183.
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- McCulloch, William J. G., and I. Kirshenbaum, to Esso Research and Engineering Co. Dehydrogenation of secondary alcohols. 2,885,442, 5-5-59, Cl. 260-596.
- McCulloch, William J. G., and A. W. Langer, Jr., to Esso Research and Engineering Co. Polymerization of olefins. 2,895,327, 8-4-59, Cl. 260-88.1.
- McCulloch, Winfield H., to Jersey Production Research Co. Throttling plug valve. 2,902,054, 9-1-59, Cl. 137-625.12.
- McCullough, David S., to The Dumore Co. Attachment for internal keyway cutting and slotting. 2,868,090, 1-13-59, Cl. 90-39.
- McCullough, Jack A.: See—  
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- McCullough, Robert F., to United States of America, Atomic Energy Commission. Process for recovery of constituents of ores. 2,885,259, 5-5-59, Cl. 23-14.5.
- McCullough, Robert F., to United States of America, Atomic Energy Commission. Method of processing ore material. 2,905,326, 9-22-59, Cl. 23-14.5.
- McCullough, Robert F., and J. B. Adams, to United States of America, Atomic Energy Commission. Method of recovering mineral values. 2,894,809, 7-14-59, Cl. 23-14.5.
- McCullough, Robert J., Sr. Garage door lock controls, and the like. 2,890,903, 6-16-59, Cl. 292-48.
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- McCune, William J., Jr.: See—  
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- McCurley, Edward B., Jr., to W. B. Mann, and Jr. to C. T. Bashman. Stopper plug valve. 2,913,012, 11-17-59, Cl. 138-04.
- McCutchan, Roy T., to Southwest Research Institute. Process for extinguishing burning magnesium and other combustible metals. 2,880,172, 3-31-59, Cl. 252-2.
- McCutchen, Charles W.: See—  
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- McCutchen, Joseph K. Tufting machine and method. 2,879,728, 3-31-59, Cl. 112-79.
- McCutchen, Joseph K. Method of and apparatus for producing tufted product having unsevered and severed loops. 2,879,729, 3-31-59, Cl. 112-79.
- McCutchen, Samuel P., Jr., and J. E. Eskilson, to Clevite Corp. Magnetic transducer head unit. 2,888,522, 5-26-59, Cl. 179-100.2.
- McCutcheon, Raymond. Electrical plug with detachable cap. 2,907,975, 10-6-59, Cl. 339-196.
- McDaniels, Wayne J., and W. T. Centers, to The Ohio Crankshaft Co. High frequency inductor. 2,889,435, 6-2-59, Cl. 219-10.49.
- McDaniel, Alden W. Plain self-aligning bearing. 2,875,002, 2-24-59, Cl. 308-72.
- McDaniel, Carter E., and J. T. and R. A. Karney. Hoisting attachment for tubular steel scaffolds. 2,890,082, 6-9-59, Cl. 304-29.
- McDaniel, Robert S.: See—  
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- McDaniel, William L. Dispensing unit. 2,870,895, 1-27-59, Cl. 194-10.
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- McDerby, Richard A. Seats. 2,913,038, 11-17-59, Cl. 155-54.
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- McDermott, Henry J.: See—  
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- Pistor, Christel, and McDermott. 2,872,701.
- McDermott, Henry J., to American Viscose Corp. Spinneret coupling assembly. 2,879,543, 3-31-59, Cl. 18-8.



- McDermott, Henry J., to American Viscose Corp. Roulder head bracket mounting for spinning machine. 2,911,675, 11-10-59, Cl. 18-8.
- McDermott, Henry J., and C. Pistor, to American Viscose Corp. Multiple duct conduit swivel assembly. 2,917,327, 12-15-59, Cl. 285-61.
- McDermott, Julian A. Portable warning lamp. 2,885,539, 5-5-59, Cl. 240-53.
- McDevitt, Harry J. Shoes for hold-down mechanism for storage batteries. 2,869,663, 1-20-59, Cl. 180-68.5.
- McDevitt, Harry J. Device for demineralizing water. 2,869,724, 1-20-59, Cl. 210-94.
- McDiarmid, Clair W. Electrical ratchet relay. 2,912,538, 11-10-59, Cl. 200-87.
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- McDonald, Donald. Single film camera provided with a plurality of separate lenses. 2,907,253, 10-6-59, Cl. 95-1.1.
- McDonald, Donald C., to Cook Electric Co. Follow-up control systems. 2,869,059, 1-13-59, Cl. 318-32.
- McDonald, Donald C., to Cook Electric Co. Transfer function analysis. 2,902,644, 9-1-59, Cl. 324-57.
- McDonald, Donald C., R. C. Boe, and J. Warshawsky, to Cook Electric Co. Remote control system. 2,871,660, 2-3-59, Cl. 60-53.
- McDonald, Earl, to Super Mold Corp. of Calif. Locking ring locating and guide unit for portable tire retreading molds. 2,916,772, 12-15-59, Cl. 18-43.
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- McDonald, Frederick W. Automatic compensating device. 2,908,472, 10-13-59, Cl. 248-346.
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- McDonald, Guy A.: See—  
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- McDonald, Joseph F. Plastics-treating apparatus. 2,879,396, 3-24-59, Cl. 250-49.5.
- McDonald, Julius M., J. C. King, and M. D. Holland. Hub cap locking device. 2,885,931, 5-12-59, Cl. 70-167.
- McDonald, Leighton S., and H. G. Hughes, to The Dow Chemical Co. Stabilization of liquid organic-chlorine compounds. 2,917,554, 12-15-59, Cl. 260-652.5.
- McDonald, Leighton S., H. G. Hughes, and C. R. Crabb, to The Dow Chemical Co. Prevention of decomposition of halogenated hydrocarbon solvents. 2,917,555, 12-15-59, Cl. 260-652.5.
- McDonald, Louis M., to Kellogg Corp. Metal coating compositions. 2,885,312, 5-5-59, Cl. 148-6.15.
- McDonald, Lyell J., to Penn Controls, Inc. Electric temperature sensing element. 2,878,355, 3-17-59, Cl. 201-63.
- McDonald, Lyell J., to Penn Controls Inc. Magnetic amplifier circuit. 2,894,198, 7-7-59, Cl. 323-89.
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- McDonough, Edgar R., to Allis-Chalmers Mfg. Co. Manure spreader body structure. 2,894,756, 7-14-59, Cl. 275-6.
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- McDonough, John J., to Scott & Williams, Inc. Circular hosiery knitting machines. 2,902,845, 9-8-59, Cl. 66-48.
- McDonough, Mary. Ladies' high heel coverings. 2,915,836, 12-8-59, Cl. 36-72.
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- Smith, William R. 2,893,501.
- McDonough, William J., Jr. Combination cuff link for regular or French cuff shirts. 2,883,725, 4-28-59, Cl. 24-113.
- McDonough, William P. Reeling apparatus. 2,902,233, 9-1-59, Cl. 242-85.
- McDougal, Paul A., Sr., and F. P. Pileggi, Jr. to F. G. Seelmann. Anti-theft device for automobiles. 2,882,987, 4-21-59, Cl. 180-82.
- McDougal, Thomas F., and W. R. O'Dell. Bit-grinder. 2,914,888, 12-1-59, Cl. 51-46.
- McDougall, Alexander E., and V. R. Reel cones for printing paper. 2,903,200, 9-8-59, Cl. 242-68.2.
- McDougall, Franklin M., to B. H., and C. J. Deutsch, d.b.a. Standard Machine & Mfg. Co. Fluid mixing device. 2,908,227, 10-13-59, Cl. 103-262.
- McDougall, Victor R.: See—  
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- McDowell Co., Inc.: See—  
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- McDowell, Hunter L., to Bell Telephone Laboratories, Inc. Travelling wave tubes. 2,876,378, 3-3-59, Cl. 315-3.5.
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- McDuffie, Archie D., to General Motors Corp. Distortionable chamber pump. 2,882,830, 4-21-59, Cl. 103-117.
- McDuffie, Archie D., to General Motors Corp. Charge forming means. 2,891,529, 6-23-59, Cl. 123-119.
- McDuffie, Archie D., to General Motors Corp. Charge forming means. 2,893,711, 7-7-59, Cl. 261-23.
- McDuffie, Archie D., to General Motors Corp. Fuel pump. 2,894,459, 7-14-59, Cl. 103-150.
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- McDuffie, James W.: See—  
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- McElgin, John W., to John J. Nesbitt, Inc. Apparatus for air conditioning. 2,869,832, 1-20-59, Cl. 257-2.
- McElhattan, Kenton E., to Joy Mfg. Co. Material gathering mechanism. 2,885,058, 6-5-59, Cl. 198-10.
- McElrath, Thomas, and E. F. Gorman, to Union Carbide Corp. Gas shielded arc welding. 2,905,805, 9-22-59, Cl. 219-137.
- McElroy, Albert D., and J. P. Nigon, to Callery Chemical Co. Process for the preparation of sodium borohydride. 2,889,194, 6-2-59, Cl. 23-14.
- McElroy, George A.: See—  
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- McElroy, John F.: See—  
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- McElroy, Melvin R., to Hughes Aircraft Co. Clock pulse circuit for transistor flip-flop. 2,898,479, 8-4-59, Cl. 307-88.5.
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- McElroy, Roy H., to International Clay Machinery of Delaware, Inc. Apparatus for compacting granular materials. 2,909,826, 10-27-59, Cl. 25-41.
- McElroy, Roy H., and J. F. Dykes, to International Clay Machinery of Delaware, Inc. Molding press. 2,888,731, 6-2-59, Cl. 25-45.
- McElroy, William N., and W. R. Martini, to North American Aviation, Inc. Gas recombiner. 2,879,146, 3-24-59, Cl. 23-288.
- McElvain, Samuel M. 4-m-hydroxy phenyl piperidines and their preparation. 2,892,842, 6-30-59, Cl. 260-294.7.
- McElwain, Jay L., to General Electric Co. Duplexer tube status indicator. 2,890,426, 6-9-59, Cl. 333-97.
- McElwee, Lorin A.: See—  
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- McEntee, Harry R., to General Electric Co. Redistribution of organosilanes. 2,887,500, 5-19-59, Cl. 260-448.2.

- McEuen, Harry B. X-ray apparatus. 2,900,542, 8-18-59, Cl. 313-56.
- McEvoy Co.: See—  
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- Zenor, Hughes M. 2,904,956.
- McEwen, Gerald F., and J. J. McGinley, to American Machine & Foundry Co. Slip stitching machine. 2,871,807, 2-3-59, Cl. 112-174.
- McEwen, Malcolm: See—  
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- McEwen, Norman S., to The Uni-Mac Co., Div. of Helpy Selfy Service System, Inc. Spray device for washing machines. 2,915,890, 12-8-59, Cl. 68-148.
- McEwen, Robert L., C. W. Raleigh, and C. E. Price, to Food Machinery and Chemical Corp. Method of simultaneously bleaching and coating paper. 2,875,102, 2-24-59, Cl. 117-152.
- McEwen, Robert L., C. W. Raleigh, and C. E. Price, to Food Machinery and Chemical Corp. Method of brightening high density cellulose pulps with a reducing bleaching salt at high speeds. 2,912,297, 11-10-59, Cl. 8-104.
- McFadden, Norman F., to Hughes Aircraft Co. Coating removing method. 2,876,601, 3-10-59, Cl. 51-282.
- McFadden, Archie R.: See—  
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- McFadden, Charles A.: See—  
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- McFadden, William F., and C. E. Butlerbaugh, to National Distillers and Chemical Corp. Start up method for fused salt electrolytic cells. 2,913,381, 11-17-59, Cl. 204-68.
- McFarlan, Alden I. Air conditioning system and control. 2,885,867, 5-12-59, Cl. 62-176.
- McFarland, Bobby L., to Aerojet-General Corp. Pickling solution. 2,916,458, 12-8-59, Cl. 252-101.
- McFarland, Donald L., to General Electric Co. Combination electric cooking appliance. 2,898,437, 8-4-59, Cl. 219-35.
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- McFarland, Forest R., and C. J. Lucia, to Studebaker-Packard Corp. Governor control valve. 2,889,844, 6-9-59, Cl. 137-54.
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- McFarland, James E.: See—  
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- McFarland, John A. Portable proof press. 2,901,971, 9-1-59, Cl. 101-269.
- McFarland, Roland, Jr., to Hills-McAnna Co. Diaphragm assembly. 2,918,089, 12-22-59, Cl. 137-793.
- McFarland, William E. Starting control circuit for engine-generator plants. 2,916,634, 12-8-59, Cl. 290-30.
- McFarlane, Maynard D.: See—  
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- McFarlane, Maynard D., and C. A. Crafts, to Robertshaw-Fulton Controls Co. Temperature control device. 2,897,331, 7-28-59, Cl. 219-20.
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- McFarlane, Maynard D., and C. A. Crafts, to Robertshaw-Fulton Controls Co. Temperature control device. 2,897,334, 7-28-59, Cl. 219-20.
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- McFaul, Claude Corp.: See—  
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- McFaul, Claude F., to Claude McFaul Corp. Combination matchbook and throw-away ashtray. 2,868,362, 1-13-59, Cl. 206-38.
- McGaffey, Edgar W. Pipe and pipe joint gauge. 2,874,475, 2-24-59, Cl. 33-98.
- McGaffey, Edgar W. Tool for removing foreign matter from a well bore. 2,874,781, 2-24-59, Cl. 166-167.
- McGahan, Joe W., to E. I. du Pont de Nemours and Co. Process and product to inhibit sugar inversion. 2,900,283, 8-18-59, Cl. 127-30.
- McGann, Leo E., Jr. Guards for electrical outlets. 2,892,172, 6-23-59, Cl. 339-36.
- McGarrahy, Andrew J., and R. Mace. Fish hook. 2,882,639, 4-21-59, Cl. 43-44.2.
- McGarrahan, Edward C., to Houston Oil Field Material Co., Inc. Hydrostatically balanced jar. 2,896,917, 7-28-59, Cl. 235-27.
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- McGavock, Robert J. Safety attachments for steering wheels. 2,883,877, 4-28-59, Cl. 74-493.
- McGaw, Jack C.: See—  
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- McGay, John B. Method and apparatus for pumping wells. 2,877,712, 3-17-59, Cl. 103-75.
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- McGean Chemical Co., The: See—  
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- McGeary, Robert K., and W. M. Justusson, to United States of America, Atomic Energy Commission. Heat treated U-N alloys. 2,914,433, 11-24-59, Cl. 148-11.5.
- McGee, Harold E.: See—  
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- McGee, James D., to Electric & Musical Industries Ltd. Vehicles. 2,869,803, 1-20-59, Cl. 244-14.
- McGee, James D. Electron image multiplier apparatus. 2,872,721, 2-10-59, Cl. 29-25.14.
- McGee, James D., to National Research Development Corp. Electron discharge devices. 2,899,576, 8-11-59, Cl. 313-65.
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- McGillon, Leonard, to King Sales & Engineering Co. Straight line caser and method. 2,902,810, 9-8-59, Cl. 53-374.
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- McGillon, Leonard, to King-O-Matic Equipment Corp. End carton filler. 2,914,899, 12-1-59, Cl. 53-160.
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- McGill, Eric F. G.: See—  
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- McGill, Lincoln A., and R. S. Moore, to Harbison-Walker Refractories Co. Patching block for furnace roof. 2,885,976, 5-12-59, Cl. 110-99.
- McGill, William C., to Union Carbide Corp. Apparatus for utilizing detonation waves. 2,869,924, 1-20-59, Cl. 299-28.6.
- McGilllem, Clare D., to United States of America, Navy. Nutating antenna radar. 2,907,024, 9-29-59, Cl. 343-16.
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- McGinty, William K., to Thomas Industries Inc. Mounting bracket for a recessed ceiling fixture. 2,898,075, 8-4-59, Cl. 248-343.
- McGiveran, Stanley J., and J. G. Myers, to Emanem Laboratories, Inc. Vaginal syringe. 2,881,760, 4-14-59, Cl. 128-251.
- McGivney, Thomas F., to United States Borax & Chemical Corp. Loaders. 2,879,880, 3-31-59, Cl. 198-6.
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- McGlumphy, George F., to Westinghouse Air Brake Co. Electronic counter control. 2,874,330, 2-17-59, Cl. 315-84.5.
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- McGovern, Walter. Flushing device. 2,902,697, 9-8-59, Cl. 4-57.
- McGowan, George F. Dental flask. 2,899,707, 8-18-59, Cl. 18-33.
- McGowan, Kenneth G.: See—  
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- McGowan, Kenneth J. J., to Westinghouse Air Brake Co. Force reversing buffer mechanisms. 2,893,718, 7-7-59, Cl. 267-1.
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- McGowen, Harold E., Jr., to Camco, Inc. Gas lift valve. 2,892,415, 6-30-59, Cl. 103-232.
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- McGrane, James A. Twin multiple loop television antenna. 2,875,441, 2-24-59, Cl. 343-806.
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- McGrath, John F., to Baldwin-Lima-Hamilton Corp. Angular position transducers. 2,913,690, 11-17-59, Cl. 338-2.
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- McGrath, William L., to Carrier Corp. Heating and cooling apparatus. 2,912,833, 11-17-59, Cl. 62-220.
- McGrath, William L., to Carrier Corp. Refrigeration system. 2,916,894, 12-15-59, Cl. 62-106.
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- McGrogan, John F., to The Atlantic Refining Co. Open gear lubricants. 2,870,089, 1-20-59, Cl. 252-22.

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- McGuigan, John H., to Bell Telephone Laboratories, Inc. Toggle circuit. 2,917,625, 12-15-59, Cl. 250-27.
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- McGuire, Robert E.: See—  
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- McHard, James A.: See—  
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- McHenry, Thomas F., and J. J. Grabinski, to Electric Regulator Corp. Electric generator regulating system. 2,900,593, 8-18-59, Cl. 322-24.
- McHugh, Charles J., Jr., to The Lodge & Shipley Co. Lifting cup for article transferring apparatus. 2,873,996, 2-17-59, Cl. 294-64.
- McIlhenny, Alan: See—  
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- McIlhenny, William F., A. B. Baker, J. A. Clarke, and W. C. Bauman, to The Dow Chemical Co. Treatment of solutions comprising similarly charged monovalent and polyvalent ions to concentrate the polyvalent ions. 2,897,051, 7-28-59, Cl. 23-91.
- McIlrath, Clifford E. Condiment containers. 2,870,942, 1-27-59, Cl. 222-78.
- McIlvaline, Oran T. Automatic headlight dimming apparatus. 2,884,564, 4-28-59, Cl. 315-83.
- McIlvaline, Oran T. Electrostatic shields. 2,889,484, 6-2-59, Cl. 313-313.
- McIlvaline, Oran T. Photocells. 2,899,659, 8-11-59, Cl. 338-17.
- McIlvaline, Oran T. Fuel burner. 2,907,382, 10-6-59, Cl. 158-4.
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- McIlvaline, Robert L., to Herbert Simpson Corp. Inlet shield for filter. 2,916,267, 12-8-59, Cl. 261-16.
- McIlwain, Knox, to Hazeltine Research, Inc. Simultaneous searching and tracking system. Re. 24,720, 10-13-59, Cl. 343-17.1.
- McIlwaine, Warnock M. Awning frame structure. 2,889,840, 6-9-59, Cl. 135-7.1.
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- McIntire, Robert L., to Phillips Petroleum Co. Pebble heater apparatus. 2,905,538, 9-22-59, Cl. 23-284.
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- McIntosh, Harold A., B. D. Mouron, J. Stell, and A. M. Herzig. Decelerator brake for motor vehicles. 2,870,885, 1-27-59, Cl. 192-3.
- McIntosh, Ian A. Parallel rule. 2,893,127, 7-7-59, Cl. 33-109.
- McIntosh Laboratory, Inc.: See—  
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- McIntosh, Robert B., and D. E. St. John, to Arnoux Corp. Low level signal commutator. 2,907,902, 10-6-59, Cl. 307-149.
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- McIntyre, James H., to Imperial Chemical Industries Ltd. Oxidation of organic substances. 2,907,792, 10-6-59, Cl. 260-523.
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- McIntyre, Sidney S., Sr., to The Humboldt Co. Log yarding and loading apparatus. 2,900,059, 8-18-59, Cl. 212-59.
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- McKay, Alexander S., to The Texas Co. Method of analyzing compositions. 2,873,377, 2-10-59, Cl. 250-43.5.
- McKay, Alexander S., to Texaco Inc. Measurement of viscosity. 2,908,817, 10-13-59, Cl. 250-43.5.
- McKay, Alexander S., and E. F. Egan, to The Texas Co. Method of treating subsurface formations. 2,869,642, 1-20-59, Cl. 166-4.
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- McKay, Edwin L., to R. and K. Ferwerda. Building block and beam and wall structures of same. 2,887,869, 5-26-59, Cl. 72-42.
- McKay, Frank E., to Farrington Mfg. Co. Combination display package and container. 2,916,140, 12-8-59, Cl. 206-45.13.
- McKay, Harry M., 1/2 to W. J. Binkley. Trailer with shiftable rear truck for load equalizing. 2,918,301, 12-22-59, Cl. 280-81.
- McKay, Herbert C.: See—  
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- McKay, Kenneth G., to Bell Telephone Laboratories, Inc. Negative resistance semiconductor apparatus. 2,908,871, 10-13-59, Cl. 331-108.
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- McKay, Thomas L., H. L. Oliver, and R. J. Starriett, to Long-Lok Corp. Self-locking screw threaded fastener member having an elongated resilient insert. 2,913,031, 11-17-59, Cl. 151-7.
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- McKee, Arthur G., & Co.: See—  
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- McKee, Chester W. and R. W., to Teleweld, Inc. Method and apparatus for distinguishing harmless surface flaws from dangerous fissures in magnetizable bodies. 2,869,073, 1-13-59, Cl. 324-37.
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- McKee, Harold, Decoy. 2,893,154, 7-7-59, Cl. 43-3.
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- McKee, Lester: See—  
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- McKee, Richard W.: See—  
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- McKee, Velda. Garment. 2,896,633, 7-28-59, Cl. 128-526.
- McKee, William H., to United-Carr Fastener Corp. Right-angle printed wire connector. 2,894,241, 7-7-59, Cl. 339-17.
- McKee, William H., to United-Carr Fastener Corp. Captivated tube shield. 2,911,458, 11-3-59, Cl. 174-35.
- McKeever, Charles H.: See—  
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- McKeever, Charles H., and L. R. Freimiller, to Rohm & Haas Co. Alkyl methylenephénylvalerate. 2,868,831, 1-13-59, Cl. 260-476.
- McKeever, Charles H., and J. W. Nemec, to Rohm & Haas Co. Process for preparing 1,1-dichloro-2,2-dialkylethanes. 2,917,553, 12-15-59, Cl. 260-649.
- McKellar, Malcolm R., to General Motors Corp. Bearing cap to frame to oil pan seal. 2,914,038, 11-24-59, Cl. 121-194.
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- Stern, David R., and McKenna. 2,892,763.
- McKenney, Henry F.: See—  
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- McKenney, Henry F., to Sperry Rand Corp., Ford Instrument Co. Division. Electrical multiplier. 2,873,066, 2-10-59, Cl. 235-185.
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- McKenney, Henry F., and R. W. Unold, to The Sperry Rand Corp., Ford Instrument Co. Division. Thyatron regulator. 2,892,969, 6-30-59, Cl. 315-198.
- McKenney, Henry F., V. H. Seliger, and R. W. Unold, to Sperry Rand Corp., Ford Instrument Co. Division. Stabilized servosystem. 2,913,649, 11-17-59, Cl. 318-32.
- McKenney, Henry F., and A. A. Vercesi, to Sperry Rand Corp. Frequency corrector system (time motor). 2,918,618, 12-22-59, Cl. 322-32.
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- McKenzie, Albert E. Seed display stands with tiered shelves. 2,883,064, 4-21-59, Cl. 211-85.
- McKenzie, G. Stuart. Projector for time indications. 2,875,668, 3-3-59, Cl. 88-24.
- McKenzie, Kenneth R., to United States of America, Atomic Energy Commission. Silt adjustment clamp. 2,894,138, 7-7-59, Cl. 250-49.5.
- McKenzie, Wilfred M., to Hughes Tool Co. Type-holder. 2,910,938, 11-3-59, Cl. 101-377.
- McKenzie, William W., to Canada Ltd. Anti-skid brake mechanism. 2,903,101, 9-8-59, Cl. 188-181.
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- McKerns, Kenneth W., to Canada Packers, Ltd. Preparation and purification of corticotrophin (ACTH). 2,906,667, 9-29-59, Cl. 167-74.
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- McKim, Burton, to Bell Telephone Laboratories, Inc. Magnetic core circuit. 2,910,676, 10-27-59, Cl. 340-174.
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- McKim, Burton, and R. J. Stapleton, to Bell Telephone Laboratories, Inc. Telephone circuit using magnetic cores. 2,904,636, 9-15-59, Cl. 179-18.
- McKim, Frank S.: See—  
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- McKinley, Fred E. Water injection apparatus. 2,879,753, 3-31-59, Cl. 123-23.
- McKinley, George H., and R. H. Whitehead, to Scott & Williams, Inc. Throat plate. 2,896,434, 7-28-59, Cl. 66-125.
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- McKinley, Joseph B., and A. M. Henke, to Gulf Research & Development Co. Fluid catalytic hydrocracking of high boiling hydrocarbon oils in several stages. 2,905,618, 9-22-59, Cl. 208-59.
- McKinley, Raymond E., and S. J. Michael. Animal hoist. 2,909,153, 10-20-59, Cl. 119-100.
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- McKinney, Cecil A., to General Motors Corp. Heat exchanger means. 2,898,896, 8-11-59, Cl. 123-41.33.
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- McKinney, Leonard L., F. B. Weakley, and A. C. Eldridge, to United States of America, Agriculture. S-(1,2-dichlorovinyl)-cysteine and method for its preparation. 2,890,246, 6-9-59, Cl. 260-534.
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- McKinney, Paul V., to Armstrong Cork Co. Soil-resistant resilient tile and method of making the same. 2,881,095, 4-7-59, Cl. 117-118.
- McKinney, Paul V., to Armstrong Cork Co. Foam detection and control. 2,883,344, 4-21-59, Cl. 252-321.
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- McKinnis, Art C., to Union Oil Co. of California. Preparation of cycloalkyl aluminum compounds. 2,906,763, 9-29-59, Cl. 260-448.
- McKinnis, Art C., and D. A. Skinner, to Union Oil Co. of California. Method for conducting exothermic vapor-phase reactions. 2,885,447, 5-5-59, Cl. 260-644.
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- McKnight, James T., to Bernite Powder Co. Delayed firing cartridge. 2,869,463, 1-20-59, Cl. 102-39.
- McKnight, John L., to J. M. McKnight and Sons. Tobacco basket reinforcing means. 2,875,920, 3-3-59, Cl. 220-83.
- McKnight, Robert J., and E. W. Swezey, to The Rapids-Standard Co., Inc. Conveyors. 2,895,593, 7-21-59, Cl. 198-160.
- McKnight, William H.: See—  
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- Quarles, Richard W., and McKnight. 2,914,498.

- McKone, Elissa D. Cleansing cream dispenser. 2,900,113, 8-18-59, Cl. 222-215.
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- McLain, Earl A., to The Dow Chemical Co. Baffle system for continuous flow settling tanks. 2,879,895, 3-31-59, Cl. 210-521.
- McLain, George H. Annunciator system for hospitals. 2,910,680, 10-27-59, Cl. 340-311.
- McLain, William R., to Kusan Inc. Toy electric train. 2,884,868, 5-5-59, Cl. 104-148.
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- McLane, James H., to McLane Tool and Die Co. Lawn trimming and edging apparatus. 2,909,021, 10-20-59, Cl. 56-25.4.
- McLane, Philip W., and J. C. Dugan, to Fletcher Aviation Corp. Tank construction. 2,876,923, 3-10-59, Cl. 220-5.
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- McLaughlin, Donald J., and R. E. Gorozdos, to United States of America, Navy. Telescriber system. 2,900,446, 8-18-59, Cl. 178-18.
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- McLaughlin, John F., to United States of America, Navy. Antenna feed selector system. 2,919,440, 12-29-59, Cl. 343-100.
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- McLaughlin, Robert, to Kollsman Instrument Corp. One-way temperature compensation for pressure measuring instruments. 2,894,392, 7-14-59, Cl. 73-393.
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- McLean, James, to Garden City Plating & Mfg. Co. Bracket mounting. 2,909,353, 10-20-59, Cl. 248-243.
- McLean, John A., Jr., to Westinghouse Electric Corp. Refrigeration apparatus. 2,877,631, 3-17-59, Cl. 62-526.
- McLean, Lawrence W.: See—  
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- McLean, Lawrence W., and L. C. Kenyon, Jr., to Esso Research and Engineering Co. Separation and purification of cyclohexenes. 2,867,670, 1-6-59, Cl. 260-666.
- McLean, Murray G., to Jabsco Pump Co. Shaft seal with replaceable sleeve. 2,881,710, 4-14-59, Cl. 103-202.
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- McLean, Stuart D.: See—  
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- McLean, William B.: See—  
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- McLean, William M., to Dow Corning Corp. Electrical conductors coated with titanate-modified alkyl resins. 2,917,414, 12-15-59, Cl. 117-221.
- McLellan, Kenneth M., to Industrial Rayon Corp. Composition for and method of pigmenting viscose. 2,875,077, 2-24-59, Cl. 106-165.
- McLellan, William N., to Sinton & Brown Co. Process for recovery and dehydration of sugar beet tops. 2,892,717, 6-30-59, Cl. 99-8.
- McLelland, Howard B., Jr.: See—  
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- McLennan, Logan S. Core apparatus for molding articles of plastic material. 2,882,582, 4-21-59, Cl. 25-126.
- McLennan, William L.: See—  
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- McLennan, William S., Sr. Tool holder. 2,914,098, 11-24-59, Cl. 142-56.
- McLeod, Duncan T., to C. W. White. Compression hand truck. 2,893,579, 7-7-59, Cl. 214-379.
- McLeod, Henry G., to E. I. du Pont de Nemours and Co. Process for conditioning copper plating solution. 2,913,376, 11-17-59, Cl. 204-52.
- McLeod, Henry G., and D. A. Swalhelm, to E. I. du Pont de Nemours and Co. Copper plating. 2,885,331, 5-5-59, Cl. 204-52.
- McLeod, Norman F.: See—  
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- McLouth, Bruce F.: See—  
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- McLucas, John L., to Haller, Raymond and Brown, Inc. Radar-relay system. 2,883,658, 4-21-59, Cl. 343-11.
- McLucas, John L., to Haller, Raymond and Brown, Inc. Oscillograph recorder. 2,898,401, 8-4-59, Cl. 178-6.6.
- McMackin, John: See—  
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- McMahon, Durward B., to Welx, Inc. Slide wall fluid sampler. 2,904,113, 9-15-59, Cl. 166-100.
- McMahon, Gladys R. Spoon rest. 2,919,086, 12-29-59, Cl. 248-37.6.
- McMahon, Kenton D. Tire truing machines. 2,868,291, 1-13-59, Cl. 164-61.
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- McMahon, Roy F., Sr. Clamp for supporting casings and the like. 2,881,997, 4-14-59, Cl. 248-56.
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- McMahon, Howard O., and W. E. Gifford, to Arthur D. Little, Inc. Fluid expansion refrigeration method and apparatus. 2,906,101, 9-29-59, Cl. 62-6.
- McMahon, John E.: See—  
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- McMahon, Thomas J., to Milton Bradley Co. Educational wheel device for teaching spelling. 2,907,123, 10-6-59, Cl. 35-35.
- McMahon, William, to Bell Telephone Laboratories, Inc. Conductor having transpositions. 2,872,501, 2-3-59, Cl. 174-34.
- McMahon, William, to Bell Telephone Laboratories, Inc. Electrical circuit elements comprising organic dielectric material. 2,886,749, 5-12-59, Cl. 317-258.
- McMahon, William F. Oil well sand pumps. 2,915,987, 12-8-59, Cl. 103-260.
- McManama, Arman E.: See—  
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- McManigal, Robert M.: See—  
Eubanks, Floyd G. 2,884,825.
- McManis, Robert J., to Monsanto Chemical Co. Phosphorus-containing polymers. 2,893,961, 7-7-59, Cl. 260-2.
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- McManis, Clifford. Means for drilling small bores. 2,906,144, 9-22-59, Cl. 77-32.
- McManis, Louis B., to Dresser Industries, Inc. Signal attenuator. 2,888,636, 5-26-59, Cl. 323-75.
- McManus, Albert R.: See—
- Rother, Richard J., Sr., and McManus. 2,916,466.
- McManus, Albert R. Impregnated corrugated paperboard, a composition therefor and a process of making said composition. 2,868,665, 1-13-59, Cl. 106-230.
- McManus, John J.: See—
- Allen, Samuel G., II, Currie and McManus. 2,874,218.
- McMaster, James E., T. L. Nash, F. A. Decker, Jr., and F. L. Brandau, to American Viscose Corp. Filament crimping apparatus and method. 2,878,547, 3-24-59, Cl. 28-1.
- McMichael, John D.: See—
- McMullen, Wesley W., and McMichael. 2,906,370.
- McMichael, John D., to General Motors Corp. Cleaner silencer assembly. 2,869,679, 1-20-59, Cl. 183-15.
- McMichael, John D., to General Motors Corp. Cleaner silencer assembly. 2,886,130, 5-12-59, Cl. 183-44.
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- McMichael, John D., to General Motors Corp. Low pass filter type cleaner silencer unit. 2,904,129, 9-15-59, Cl. 183-44.
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- McMillan, Alice A.: See—
- McMillan, Hugh D. 2,896,061.
- McMillan, Brockway, to Bell Telephone Laboratories, Inc. Pulse probability modulation system. 2,868,963, 1-13-59, Cl. 250-6.
- McMillan, Edward B. Electromagnetic wave absorbing dielectric walls. 2,875,435, 2-24-59, Cl. 343-18.
- McMillan, Edwin M., and D. L. Judd, to United States of America, Atomic Energy Commission. Cloverleaf cyclotron. 2,872,574, 2-3-59, Cl. 250-27.
- McMillan, Eugene C., to McMillan Floor Products Co. Screenshot support and method of using. 2,867,041, 1-6-59, Cl. 33-74.
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- McMillan, Eugene C. 2,867,041.
- McMillan, George W., 1/2 to E. C. McRorey. Onion transplanting machines. 2,899,918, 8-18-59, Cl. 111-3.
- McMillan, Hugh D., deceased; A. A. McMillan, executrix of said H. D. McMillan. Air rinse. 2,896,061, 7-21-59, Cl. 219-39.
- McMillan, James A.: See—
- Dittmdre, Richter, Shadd, McMillan, and Trickle. 2,885,735.
- McMillan, James O., to F. J. Abrah. Restaurant equipment. 2,894,604, 7-14-59, Cl. 186-1.
- McMillan, Jerry N. Coverall finisher. 2,883,092, 4-21-59, Cl. 223-70.
- McMillan, John E.: See—
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- McMillan, John C., to General Dynamics Corp. Linear motion potentiometer. 2,904,766, 9-15-59, Cl. 338-176.
- McMillan, Stephen L., to General Electric Co. Room air conditioning apparatus having automatic odor removal operation. 2,899,802, 8-18-59, Cl. 62-157.
- McMillan, Stephen L., to General Electric Co. Room air conditioner condensate sump. 2,911,800, 11-10-59, Cl. 62-280.
- McMillan, William J., and K. R. Denslow, to The Dow Chemical Co. Cyclic foaming method of making cellular plastic bodies. 2,884,386, 4-28-59, Cl. 260-25.
- McMillan, John E., to Titanium Metals Corp. of America. Disintegrating refractory metals. 2,897,539, 8-4-59, Cl. 18-26.
- McMillon, Shelby C., to R. P. Scherer Corp. Soporific capsule. 2,899,361, 8-11-59, Cl. 167-83.
- McMinn, Albert H. Plumbing unit. 2,866,981, 1-6-59, Cl. 4-211.
- McMinn, Charles E., and G. L. Fuller, to The F. J. Stokes Corp. Preheater for molding material. 2,889,441, 6-2-59, Cl. 219-19.
- McMinn, Robert E.: See—
- Chaple, William F., and McMinn. 2,868,315.
- Mitchell, Kenneth G., McMinn, and Laurence. 2,909,905.
- McMinn, William A., Jr., and J. T. Barr, to Escambia Chemical Corp. Polyvinyl chloride purification process. 2,878,239, 3-17-59, Cl. 260-92.8.
- McMorris, Herschel G., and F. H. McCall, to M. P. Laughlin. Process of coating aluminum and product. 2,894,852, 7-14-59, Cl. 117-8.
- McMorrow, Joseph L.: See—
- Vander Ply, John R., Jastram, McMorrow, and Shockroo. 2,870,294.
- McMullen, George A. Clear vision windshield attachment for vehicles. 2,905,504, 9-22-59, Cl. 296-95.
- McMullen, John C., to The Carborundum Co. Refractory fibrous material. 2,873,197, 2-10-59, Cl. 106-50.
- McMullen, Wesley W., to General Motors Corp. Cleaner silencer unit. 2,905,265, 9-22-59, Cl. 183-15.
- McMullen, Wesley W., to General Motors Corp. Spring clip fastener. 2,911,693, 11-10-59, Cl. 24-73.
- McMullen, Wesley W., and J. D. McMichael, to General Motors Corp. Air cleaner and silencer assembly. 2,906,370, 9-29-59, Cl. 183-44.
- McMullin, Harold B. Air suspension means for vehicles. 2,916,298, 12-8-59, Cl. 280-124.
- McMurray, Herman J. Rope buckle. 2,874,434, 2-24-59, Cl. 24-123.
- McMurray, Paul H.: See—
- Haggard, John M., and McMurray. 2,870,928.
- McMurray, Paul H., to Delphi Products Co., Inc. Fountain tank. 2,914,025, 11-24-59, Cl. 119-73.
- McMurren, Irving B., to Lear, Inc. Regulated oscillator. 2,874,293, 2-17-59, Cl. 250-36.
- McMurry Container Corp.: See—
- McMurry, William C., Sr. 2,877,981.
- McMurry, Everett D., to Harold Brown, Co. Fluid lift plunger for wells. 2,878,754, 3-24-59, Cl. 103-52.
- McMurry, John N., to F. F. Welsh. Crash helmet. 2,901,750, 9-1-59, Cl. 2-3.
- McMurry, William C., Sr., to McMurry Container Corp. Self propelled vehicle with vertically adjustable deck for transporting freight containers. 2,877,981, 3-17-59, Cl. 254-9.
- McNabb, Arthur J., to Phoenix Steel Corp. Tubular pipe testing machine. 2,896,445, 7-28-59, Cl. 73-49.6.
- McNabb, George C.: See—
- Bentley, George P., McNabb, and Lewis. 2,918,542.
- McNabb, John W., 1/2 to American Can Co., and 1/2 to Kienle and Co. Vinylate fatty acid esters. 2,877,195, 3-10-59, Cl. 260-23.
- McNabb, Walter J., Jr., 1/2 to M. H. Manasse. Elevating unit for baby crib. 2,913,737, 11-24-59, Cl. 5-63.
- McNabb, Warren C., to National Broach & Machine Co. Method of shaving conical involute gears. 2,887,015, 5-19-59, Cl. 90-1.6.
- McNabb, Warren C., and R. W. Anthony, to National Broach & Machine Co. Apparatus for simultaneously shaving and deburring the teeth of gears. 2,916,971, 12-15-59, Cl. 90-1.6.
- McNall, Lester R.: See—
- Miller, Alfred L., McNall, and Rehner. 2,904,693.
- McNally, Cornelius L.: See—
- Kelly, Louis J., and McNally. 2,919,241.
- McNally, Edward M., to Voorhis-Tiebout Co., Inc. Soap bar. 2,893,960, 7-7-59, Cl. 252-134.
- McNally, Harold E., 1/2 to C. H. Nelson. Vehicle light. 2,901,593, 8-25-59, Cl. 240-7.1.
- McNally, James A. Pneumatic mounting system. 2,883,131, 4-21-59, Cl. 248-22.
- McNamara, Earl J.: See—
- Kearney, Thomas J., and McNamara. 2,909,872.
- McNamara, Jack. Cooking utensil. 2,872,562, 2-3-59, Cl. 219-44.
- McNamara, James H., to Aluminum Co. of America. Utilization of low-temperature tars. 2,916,432, 12-8-59, Cl. 208-2.
- McNamara, John D.: See—
- Subart, William. 2,900,141.
- McNamara, William V. Grapple. 2,891,815, 6-23-59, Cl. 294-106.
- McNamee, Bernard F., to Dresser-Barnes Corp. Regulated voltage supply. 2,885,626, 5-5-59, Cl. 323-22.
- McNamee, Bernard F., to Dresser-Barnes Corp. Compensating circuit for transistor regulators. 2,912,638, 11-10-59, Cl. 323-22.
- McNaney, Joseph T., to General Dynamics Corp. Analogue data converter. 2,892,186, 6-23-59, Cl. 340-324.
- McNaney, Joseph T., to General Dynamics Corp. System for effecting transfer of cathode ray tube displays onto a record medium. 2,898,176, 8-4-59, Cl. 346-110.
- McNaney, Joseph T., to General Dynamics Corp. Recording apparatus. 2,898,468, 8-4-59, Cl. 250-49.5.
- McNaney, Joseph T., to General Dynamics Corp. Cathode ray tube apparatus. 2,907,907, 10-6-59, Cl. 313-70.
- McNaney, Joseph T., to General Dynamics Corp. Beam shaping member for a shaped beam tube. 2,915,060, 12-1-59, Cl. 313-68.
- McNatt, Eugene M., to United States of America, Navy. Speed indicator for a gyroscope. 2,898,552, 8-4-59, Cl. 324-70.
- McNatt, Ralph D., to Borg-Warner Corp. Air conditioning systems. 2,907,178, 10-6-59, Cl. 62-95.
- McNatt, William E., Jr. Electrical protective apparatus. 2,886,744, 5-12-59, Cl. 317-61.
- McNaught, John P., and J. R. Bryant, to Lever Brothers Co. Process for preparing a detergent composition containing anhydrous form 11 triphosphate. 2,897,155, 7-28-59, Cl. 252-109.
- McNaught, Robert P. Metallic ore-collecting member with a plurality of magnetized surface areas. 2,918,170, 12-22-59, Cl. 209-213.
- McNaughtan, Thomas J., to Schenectady Varnish Co., Inc. Manufacture of phenol from cumene. 2,906,789, 9-29-59, Cl. 260-674.
- McNaughtan, Thomas J., D. J. Lieb, and U. Boschert. Phenol-formaldehyde-ketone condensate and starch composition. 2,886,540, 5-12-59, Cl. 260-17.2.
- McNaughton, James L., to General Electric Co. Sectional wiring duct. 2,905,201, 9-22-59, Cl. 138-75.
- McNaughton, John F., and P. Gottfried, to Cook Electric Co. Bearing assembly. 2,872,254, 2-3-59, Cl. 308-35.

- McNeal, Daniel R., to Andale Co. Plug valve operating mechanism. 2,893,681, 7-7-59, Cl. 251-161.
- McNeal, Raymond F., to Chicago Down Draft Furnace Co. Furnace. 2,891,520, 6-23-59, Cl. 122-94.
- McNeely, William H., and J. J. O'Connell, to Kelco Co. Carboxymethyl alginate product and methods of preparing carboxymethyl alginate. 2,902,479, 9-1-59, Cl. 260-209.6.
- McNeill, Clyde L.: See—
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- McNeill, Clyde L., and E. N. Buck, to Spee-Dee Check Out Systems. Checkout stand. 2,902,115, 9-1-59, Cl. 186-1.
- McNeill Laboratories, Inc.: See—
- Cain, Cornelius K. 2,898,369.
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- Swain, Ansel P. 2,883,391.
- McNeill Machine & Engineering Co., The: See—
- Klein, Victor G., Graef, and Lyles. 2,886,215.
- Mueller, Carl H. 2,872,085.
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- McNeill, Robert F.: See—
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- McNeill, Alvin L., to Victor Development Co. Impact devices for electronic golf drive interpreters. 2,897,674, 8-4-59, Cl. 73-379.
- McNeill, Eric, and B. Robson, to The British Petroleum Co. Ltd. Process for the finish sweetening of mercaptan-containing petroleum hydrocarbons with air and caustic alkali treated charcoal. 2,872,412, 2-3-59, Cl. 208-203.
- McNeill, Harry L. Ore concentration method and apparatus. 2,880,869, 4-7-59, Cl. 209-159.
- McNeill, Roy L.: See—
- Alspaugh, Paul L., Helmaster, and McNeill. 2,872,170.
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- McNeill, Robert C.: See—
- Bauer, Robert F., McNeill, and Ledbetter. 2,909,359.
- McNeill, Robert C., to Shell Development Co. Remote controlled oil well hoist brake. 2,909,378, 9-29-59, Cl. 188-151.
- McNeill, Thomas R.: See—
- Carosella, Michael C., Jacobs, and McNeill. 2,872,395.
- McNemar, Kenneth L.: See—
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- McNerney, Roger J., to The Rudolph Wurlitzer Co. Background noise eliminator. 2,893,281, 7-7-59, Cl. 84-1.14.
- McNett, Andrew J. Egg washing apparatus. 2,910,076, 10-27-59, Cl. 134-118.
- McNicoll, David, to British Timken Ltd. Axle-boxes. 2,875,004, 2-24-59, Cl. 308-180.
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- McNown, Darl D. Pilot operated valve. 2,876,981, 3-10-59, Cl. 251-41.
- McNulty, Dorothy G., and R. I. Leininger, to Diamond Alkali Co. Polymerization employing a phthalic glycerol alkyl resin as a suspension stabilizer. 2,886,551, 5-12-59, Cl. 260-45.4.
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- McNulty, Frederick A., to W. H. A. Robertson & Co. Ltd. Rolling mill with segmental rolls. 2,903,925, 9-15-59, Cl. 80-14.
- McNulty, Frederick A. Furnaces. 2,911,510, 11-3-59, Cl. 219-10.69.
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- McNulty, John V., to General Laboratory Associates, Inc. Spark producing apparatus including saturable core transformer. 2,896,123, 7-21-59, Cl. 315-177.
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- McNulty, M. J., Jr.: See—
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- McNutt, Louis C. Pipe welding apparatus. 2,894,111, 7-7-59, Cl. 219-60.
- McNutt, Robert D., to International Business Machines Corp. Magnetic transducer. 2,910,544, 10-27-59, Cl. 179-100.2.
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- McOrlly, Joseph: See—
- Drugmand, Lester D., and McOrlly. 2,899,666.
- McOrlly, Joseph, to Edwin L. Wiegand Co. Filling apparatus. 2,867,955, 1-13-59, Cl. 53-239.
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- McLaughlin, George H., and Harvey. 2,919,396.
- McPhee, Alexander H., C. A. Olcott, T. H. Reid, and F. Stindt, to Hepworth Machine Co., Inc. Continuously fed centrifugal machine. 2,893,562, 7-7-59, Cl. 210-380.
- McPhee, Walter T.: See—
- Smith, Arnold R., and McPhee. 2,901,114.
- McPherson, Donald G.: See—
- Twiford, Harry G., and McPherson. 2,902,862.
- McPherson, John: See—
- Brown, Harry, and McPherson. 2,893,421.
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- Knoebel, Walter C. 2,918,340.
- McQueen, David M., to E. I. du Pont de Nemours and Co. 4-fluorocyclohexene. 2,904,598, 9-15-59, Cl. 260-648.
- McQueen, Jack G., to General Electric Co. Gain control. 2,871,471, 1-27-59, Cl. 343-17.1.
- McQueen, Malcolm M., to Whittaker Controls, a Division of Telecomputing Corp. Liquid level control valve with pre-check system. 2,871,873, 2-3-59, Cl. 137-390.
- McQueen, Malcolm M., to Whittaker Controls, a Division of Telecomputing Corp. Liquid level responsive valve. 2,888,030, 5-26-59, Cl. 137-390.
- McQuillen, Howard R.: See—
- Miller, Louis D., and McQuillen. 2,914,317.
- McQuillen, John L. Tread and flange reducer. 2,868,054, 1-13-59, Cl. 82-36.
- McQuillen, Leland E.: See—
- Dawson, Joseph C., and McQuillen. 2,876,932.
- McQuinn, Clarence F., to E. J. Cowell. Combination roof and scaffold bracket. 2,888,225, 5-26-59, Cl. 248-237.
- McRae, Daniel D. Telemetry demodulator. 2,911,528, 11-3-59, Cl. 250-27.
- McRae, Douglas H.: See—
- Eaton, Frank M., and McRae. 2,889,662.
- Eaton, Frank M., and McRae. 2,889,663.
- McRae, Edwin C., to Ford Motor Co. Distributor mechanism. 2,873,324, 2-10-59, Cl. 200-31.
- McRae, Edwin C., to Ford Motor Co. Engine accessory drive. 2,911,961, 11-10-59, Cl. 123-41.11.
- McRae, Edwin C., to Ford Motor Co. Engine accessory drive. 2,911,962, 11-10-59, Cl. 123-41.11.
- McRae, Wayne A., to Ionics, Inc. Method for making alpha chloroalkyl methyl ethers. 2,916,522, 12-8-59, Cl. 260-614.
- McKeynolds, Leo A., to Phillips Petroleum Co. Stabilized liquid fuel. 2,875,029, 2-24-59, Cl. 44-70.
- McKeynolds, Robert W., 50% to A. R. Moulin. Method and apparatus for coating a surface with light weight aggregate. 2,870,039, 1-20-59, Cl. 117-28.
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- McRoberts, Charles E., and A. Bachman, to Amalgamated Electric Corp. Ltd. Panel board assembly. 2,902,631, 9-1-59, Cl. 317-116.
- McRoberts, William C.: See—
- Golightly, James S., and McRoberts. 2,876,595.
- McRoberts, William C., and L. V. Black, to Pittsburgh Plate Glass Co. Apparatus for bending glass and other heat-softened materials. 2,876,594, 3-10-59, Cl. 49-67.
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- McShane, Herbert F., Jr., to E. I. du Pont de Nemours and Co. Elastomeric condensation products prepared from polyether glycols. 2,871,226, 1-27-59, Cl. 260-77.5.
- McSheehy, Justin A., to American Cyanamid Co. Process improvement for vat dyes. 2,898,337, 8-4-59, Cl. 260-263.
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- McStrack, Darrel D., and L. M. Burrage, to McGraw-Edison Co. Overvoltage protective device. 2,891,194, 6-16-59, Cl. 315-36.
- McSwain, Lois: See—
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- McSweeney, Thomas J., Sr. Air compressor discharge line cleaning and unloading systems. 2,895,665, 7-21-59, Cl. 230-24.
- McVay, Thomas N.: See—
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- McVeagh, William J.: See—
- Brown, William E., McVeagh, and Wallace. 2,900,336.
- Earley, James W., and McVeagh. 2,900,337.
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- McVey, William H.: See—  
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- McVey, William H., and W. H. Reas, to United States of America, Atomic Energy Commission. Uranium separation process. 2,877,087, 3-10-59, Cl. 23-14.5.
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- McWethy, Irvin E., to Midwest Mfg. Corp. Washing machine transmission. 2,893,251, 7-7-59, Cl. 74-42.
- McWhorter, Paul W., B. B. Kline, and H. A. Alps, to Rohm & Haas Co. Coated leather products and methods for producing them. 2,879,178, 3-24-59, Cl. 117-76.
- McWhirter, James H.: See—  
Teague, William L., and McWhirter. 2,892,169.
- McWhirter, Milford and W. T. Movable graduated. 2,899,749, 8-18-59, Cl. 33-75.
- McWhirter, Wayne T.: See—  
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- McWhorter, Cedric E., to Goodman Mfg. Co. Belt conveyor and articulator therefor. 2,873,021, 2-10-59, Cl. 198-109.
- McWhorter, Cedric E., to Goodman Mfg. Co. Mining systems of the room and pillar type. 2,874,945, 2-24-59, Cl. 262-1.
- McWhorter, Henry L.: See—  
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- McWhorter, Henry L., to Miehle-Goss-Dexter, Inc. Apparatus for producing magazines and the like. 2,873,113, 2-10-59, Cl. 270-12.
- McWhorter, Henry L., and E. M. Montgomery, to Miehle-Goss-Dexter, Inc. Feeder for carton and the like material. 2,906,529, 9-29-59, Cl. 271-44.
- McWilliams, Ernest, to The Stanford Seed Co., Inc. Seed treating composition comprising iron oxide, calcium carbonate and a water-insoluble copper salt. 2,900,303, 8-18-59, Cl. 167-46.
- McWilliams, George M., to Westinghouse Air Brake Co. Foot operated diaphragm valve. 2,884,953, 5-5-59, Cl. 137-620.
- McWilliams, Herbert C.: See—  
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- McWilliams, James D., to Jefferson Electronic Products Corp. Dip soldering machine. 2,875,717, 3-3-59, Cl. 113-59.
- Meacham, Douglas G. Dental wedge. 2,867,905, 1-13-59, Cl. 32-63.
- Meacham, Edward M. Door structure. 2,908,947, 10-20-59, Cl. 20-16.
- Meacham, Larned A., to Bell Telephone Laboratories, Inc. Party line identification system. 2,908,762, 10-13-59, Cl. 179-17.
- Mead-Atlanta Paper Co.: See—  
Forrer, Homer W. 2,872,036.
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- Mead Board Sales, Inc.: See—  
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- Mead, Bruce R. and C. R., and R. Harding. Flavor-containing drinking straw. 2,867,536, 1-6-59, Cl. 99-138.
- Mead, Charles R.: See—  
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- Mead Corporation, The: See—  
Maloney, James D., Jr., and Brown. 2,867,414.
- Mead, Harold B. Hydraulic variable speed gear. 2,871,792, 2-3-59, Cl. 103-89.
- Mead, Howard C.: See—  
Onksen, George W., Falge, and Mead. 2,909,724.
- Mead, Howard C., and L. T. Fuqua, to General Motors Corp. Non-flare mirror. 2,913,958, 11-24-59, Cl. 88-77.
- Mead Johnson & Co.: See—  
Barton, Raymond W., and Herron. 2,902,248.
- Bryan, Hugh D. 2,870,060.
- Campbell, Kenneth N. 2,879,294.
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- Huggins, John A. 2,870,061.
- Martin, Tellis A. 2,910,465.
- Mead Packaging, Inc.: See—  
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- Mead Specialties Co., Inc.: See—  
Lieser, Mathias J. 2,896,664.
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- Malek, Chester B. 2,914,087.
- Mead, Theodore E. Elevator shelves. 2,905,517, 9-22-59, Cl. 312-268.
- Mead, William H. Blast room with uniform down-draft ventilation. 2,912,918, 11-17-59, Cl. 98-115.
- Meade, Edwin M.: See—  
Kalrys, Stepas, Meade, Munns, and Walder. 2,895,976.
- Meade, Edwin M. Separation of olefinic fatty acids. 2,915,537, 12-1-59, Cl. 260-419.
- Meade, Harold L.: See—  
Barbeau, Raymond A., and Meade. 2,901,041.
- Meade, Leonard P., to Phillips Petroleum Co. Underground storage. 2,896,417, 7-28-59, Cl. 62-54.
- Meade, Leonard P., to Phillips Petroleum Co. Storage tank structure. 2,903,877, 9-15-59, Cl. 72-14.
- Meaders, Robert C.: See—  
Weston, David, MacPherson, Meaders, and Sheldon. 2,916,215.
- Meadows, Charles L., 25% to J. D. Basinger, and 24% to D. R. Moore. Automatic beer can opener. 2,897,590, 8-4-59, Cl. 30-4.
- Meadows, Geoffrey W., to E. I. du Pont de Nemours and Co. Dissolving polyanionic salts in water. 2,883,298, 4-21-59, Cl. 106-164.
- Meadows, Geoffrey W., to E. I. du Pont de Nemours and Co. Cement and method of stabilizing soil. 2,884,334, 4-28-59, Cl. 106-93.
- Meadows, James L., to The Texas Co. Regeneration of organic caustic solutions used in dethiolizing hydrocarbons. 2,871,194, 1-27-59, Cl. 232-192.
- Meadows, Lee A. High speed mechanical R-F waveguide switch. 2,901,708, 8-25-59, Cl. 333-7.
- Meadows, Stanley R., to Sarkes Tarzian, Inc. Television tuner. 2,909,934, 10-27-59, Cl. 74-10.45.
- Meager, Vernon W., and S. N. Barker. Electric lamp. 2,897,345, 7-28-59, Cl. 240-10.68.
- Meagher, Robert J., to Columbia Broadcasting System, Inc. Electron discharge structure. 2,898,505, 8-4-59, Cl. 313-307.
- Meagher, William D. Awning structure. 2,902,730, 9-8-59, Cl. 20-57.5.
- Meagher, William E. Ice fishing gear. 2,914,926, 12-1-59, Cl. 62-355.
- Meaker, Archibald G., 40% to S. B. Meaker. Trailer construction. 2,901,282, 8-25-59, Cl. 296-23.
- Meaker Co., The: See—  
Finston, Victor. 2,869,560.
- Meaker, Stanley B.: See—  
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- Meakin, Edgar N. Apparatus for cooling material adversely affected by heat of extrusion. 2,870,480, 1-27-59, Cl. 18-12.
- Meakin, Edgar N. Means for extruding moldable material having viscous properties. 2,902,949, 9-8-59, Cl. 107-14.
- Meakin, Edgar N. Extrusion mill feed assembly. 2,908,038, 10-13-59, Cl. 18-12.
- Mealpack Corp.: See—  
Clarke, Houghton W. 2,886,225.
- Meals, William S.: See—  
Evans, John G., Landells, and Meals. 2,911,324.
- Evans, John G., and Meals. 2,893,898.
- Means, John A., to Kalamazoo Vegetable Parchment Co. Paper winding apparatus. 2,914,267, 11-24-59, Cl. 242-67.1.
- Means, Perry G. Continuous hot pressing machine for the manufacture of compressed boards. 2,909,804, 10-27-59, Cl. 18-4.
- Meara, Robert A.: See—  
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- Mearns, William B. Fish lures. 2,867,935, 1-13-59, Cl. 43-42.35.
- Mears Electric Controls, Inc.: See—  
Mears, John S., Delorenzis, and Watson. 2,888,536.
- Mears, Fred W., Heel Co., Inc.: See—  
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- Joiner, Edgar E. 2,907,037.
- Joiner, Edgar E., Jr. 2,891,587.
- Joiner, Edgar E., and Szumski. 2,901,841.
- Mears, John H., Jr. Window construction. 2,877,514, 3-17-59, Cl. 20-52.2.
- Mears, John S. Thermostat and space heater control. 2,888,537, 5-26-59, Cl. 200-138.
- Mears, John S., D. F. Delorenzis, and S. E. Watson, to Mears Electric Controls, Inc. Thermosensitive switch mechanism. 2,888,536, 5-26-59, Cl. 200-138.
- Mears, William T., to General Motors Corp. Headlamp adjuster. 2,911,522, 11-3-59, Cl. 240-41.6.
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- Tipper, Maynard J. G. 2,876,762.
- Meats, William H., to Telehoist Ltd. Tipping bodies for commercial vehicles. 2,886,374, 5-12-59, Cl. 296-28.
- Meats, William H., to Telehoist Ltd. Fastening for a tail board of a tipping vehicle. 2,891,816, 6-23-59, Cl. 298-38.
- Mecco, Jerry M., A. J. Carlino, and C. L. Zimmerman, to American Cyanamid Co. Method of dyeing synthetic fibrous materials. 2,881,645, 4-7-59, Cl. 8-55.
- Mech, Henry D., to Sylvania Electric Products, Inc. Television receiver. 2,885,586, 5-5-59, Cl. 313-76.
- Mecham, Ferris J., to Sierra Engineering Co., Inc. Portable concrete batcher. 2,896,771, 7-28-59, Cl. 198-54.
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- Mechanical Handling Systems, Inc.: See—  
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- Bishop, Leonard J., and Barlow. 2,875,703.
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- Klamp, Paul. 2,868,139.
- Klamp, Paul. 2,894,460.
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- Mechanical Pin Resetter Co., Ltd.: See—  
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- Mechem, Maurice R. Combination toothbrush and dentifrice carrier. 2,868,215, 1-13-59, Cl. 132-84.
- Meckbach, Heinrich: See—  
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- Mecklenborg, Lawrence W., to Precision Welder & Machine Co. Method of and apparatus for edge welding sheet material. 2,892,921, 6-30-59, Cl. 219-81.
- Mecorney, John W., to Shell Development Co. Stabilization of unsaturated aldehydes. 2,874,099, 2-17-59, Cl. 202-57.
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- Medalia, Avrom I., and H. H. Freedman, to General Latex & Chemical Corp. Composition of matter. 2,868,814, 1-13-59, Cl. 260-413.
- Medalia, Avrom I., and H. H. Freedman. Polymeric emulsifying agents and their derivatives. 2,874,151, 2-17-59, Cl. 260-80.
- Medart, Fred, Mfg. Co.: See—  
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- Chervenka, George R. 2,916,288.
- Murphy, Raymond J. 2,898,639.
- Medders, Weldon L., A. B. Foreman, Jr., and U. Skipper, to Houston Oil Field Material Co., Inc. Piston actuated casing mill. 2,899,000, 8-11-59, Cl. 166-55.8.
- Medearis, Paul A.: See—  
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- De Jarnett, Frank D. 2,885,096.
- Meder, Max. Centrifugal force coupling. 2,910,160, 10-27-59, Cl. 192-105.
- Medert, Adrian: See—  
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- Mediano Capdevilla. Elastic last. 2,893,059, 7-7-59, Cl. 18-46.
- Medicus, Gustav K. Resonance break-off seal. 2,889,067, 6-2-59, Cl. 220-2.2.
- Medlar, Lewis A., to Fox Products Co. Program switching means. 2,892,906, 6-30-59, Cl. 200-37.
- Medlar, Lewis A., to Fox Products Co. Battery heat maintainer. 2,899,623, 8-11-59, Cl. 320-2.
- Medlock, Alfred A. Shower seat. 2,885,683, 6-2-59, Cl. 4-147.
- Medlock, Alfred A. Utensil. 2,893,331, 7-7-59, Cl. 107-30.
- Mednick, Morton L.: See—  
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- Medor, Joseph R. Cover holder. 2,879,915, 3-31-59, Cl. 220-85.
- Meadow, Jules, to Radio Corp. of America. Mechanism for rotating electrical units. 2,867,489, 1-6-59, Cl. 312-323.
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- Medsker, Charles A. Fluxing or deoxidizing atmosphere. 2,908,599, 10-13-59, Cl. 148-23.
- Mee, Charles D., to M. S. S. Recording Co. Ltd. Magnetic tape recording and reproducing system and apparatus. 2,873,319, 2-10-59, Cl. 179-100.2.
- Meece, Ralph P. Motor vehicle snow broom. 2,870,469, 1-27-59, Cl. 15-82.
- Meech, James H.: See—  
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- Meech, Ralph E.: See—  
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- Meehanite Metal Corp.: See—  
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- Moore, William H., and Gruver. 2,883,723.
- Meek, Franklin H.: See—  
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- Meek, George W., to American W. M. B., Inc. Structural building paneled wall constructions and panel means therefor. 2,893,067, 7-7-59, Cl. 20-4.
- Meek, George W., to Carl Munters & Co. Cooling towers. 2,906,512, 9-29-59, Cl. 261-24.
- Meek, Gregory G. Towing apparatus for water skiers. 2,899,925, 8-18-59, Cl. 114-235.
- Meek, Harold J.: See—  
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- Govan, Roy H., and Meek. 2,888,039.
- Govan, Roy H., and Meek. 2,918,085.
- Meek, Harold J., to Jaroco Engineering Co. Float actuating device. 2,914,082, 11-24-59, Cl. 137-412.
- Meek, James M., H. B. Smith, Jr., and E. T. Winston, to United States of America, Army. Safety and arming device having remotely located rotor actuating means. 2,913,984, 11-24-59, Cl. 102-70.2.
- Meek, James S.: See—  
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- Meeker, David A., and R. C. Geiger, to The Hobart Mfg. Co. Detachable actuator. 2,879,026, 3-24-59, Cl. 251-291.
- Meeker, Leonard N.: See—  
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- Meeker, William H., to Hickock Mfg. Co. Inc. Cuff links. 2,885,756, 5-12-59, Cl. 24-97.
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- Meerbott, William K.: See—  
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- Meerburg, Wilhelmina: See—  
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- Meerkrebs, Samuel: See—  
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- Meermans, John W.: See—  
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- Mees, Robert D., to General Electric Co. Process of impregnating a porous article. 2,872,344, 2-3-59, Cl. 117-61.
- Meese, Clarence, to Eaton Mfg. Co. Hose clamp assembly tool. 2,898,789, 8-11-59, Cl. 81-9.3.
- Meese, George E., to General Electric Co. Vehicle headlamp mounting. 2,910,576, 10-27-59, Cl. 240-41.6.
- Meese, George E. Sealing means for hatch covers and the like. 2,915,033, 12-1-59, Cl. 114-202.
- Meess, Jack D.: See—  
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- Meessussen, Louis A., to Gevaert Photo-Producten N.V. Production of photographic multicolor images. 2,908,570, 10-13-59, Cl. 96-9.
- Meewes, Edward A. Casket, vault and cover handling mechanism. 2,901,812, 9-1-59, Cl. 27-32.
- Meffert, Walter, to Demag-Elektrometallurgie G.m.b.H. Electrode attaching device for electric arc furnaces. 2,903,494, 9-8-59, Cl. 13-14.
- Meftina S.A.: See—  
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- Fresard, Marcel, and Gianinazzi. 2,883,868.
- Rufer, Franz. 2,903,918.
- Megard, Henry, to Sautier & Jaeger. Television set adapted to receive two definitions. 2,901,600, 8-25-59, Cl. 250-20.
- Megarry, Edward P. Hot water heater. 2,911,511, 11-3-59, Cl. 219-38.
- Megator Pumps & Compressors Ltd.: See—  
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- Mege, Paul A. Method of arranging ship's holds or the like, and holds thus arranged. 2,895,444, 7-21-59, Cl. 114-73.
- Megesi, Joseph N., to Fairview Photo Service, Inc. Apparatus for recovery of silver from spent photographic solutions. 2,905,323, 9-22-59, Cl. 210-130.
- Megibow, Isalah C. Fastener. 2,897,561, 8-4-59, Cl. 24-95.
- Megson, Frederic H.: See—  
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- Mehaffy, Joseph C. Jig for pre-fitting doors for metal jambs. 2,904,088, 9-15-59, Cl. 144-288.
- Mehl, Ross M., to North American Aviation, Inc. Remotely disconnectable coupling. 2,887,124, 5-19-59, Cl. 137-614.
- Mehle, Frank M.: See—  
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- Mehler, Murray, 50% to M. Lamport. Soil resistant and heat reflective oven mitt. 2,889,556, 6-9-59, Cl. 2-158.
- Mehlis, Arthur, to International Standard Electric Corp. Arrangement to inspect stacked legendized papers, in particular to read the addresses of stacked letters. 2,889,941, 6-9-59, Cl. 214-11.
- Mehlretter, Charles L.: See—  
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- Rankin, John C., and Mehlretter. 2,900,268.
- Mehlretter, Charles L., J. W. Van Cleve, and P. R. Watson, to United States of America, Agriculture. Preparation of starch-bisulphite addition products. 2,880,236, 3-31-59, Cl. 260-513.
- Mehr, Robert S.: See—  
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- Mehr, Walter. Collapsible fishing rod. 2,902,789, 9-8-59, Cl. 43-18.
- Mehring, Arthur C.: See—  
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- Mehrling, Edward W., to Westinghouse Air Brake Co. Frequency determining means. 2,875,326, 2-24-59, Cl. 250-6.
- Mel, Anthony J., and T. F. Widmer, to Westinghouse Electric Corp. Sealed agitator. 2,907,556, 10-6-59, Cl. 259-101.
- Meldenbauer, Lois W.: See—  
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- Meldenbauer, Phillip E., Jr. 2,914,067.
- Meldenbauer, Phillip E., Jr., deceased, by L. W. Meldenbauer, executrix. Firewell Industries. Differential pressure gas supplying apparatus. 2,867,227, 1-6-59, Cl. 137-64.
- Meldenbauer, Phillip E., Jr., deceased, by L. W. Meldenbauer, executrix, to Firewell Industries. Breathing apparatus. 2,914,067, 11-24-59, Cl. 128-142.
- Melienberg, Hans, to Escher Wyss Aktiengesellschaft. Turbo-compressor plant. 2,914,242, 11-24-59, Cl. 230-115.
- Meler, Arthur P., to Westinghouse Electric Corp. Bulb handling mechanism. 2,877,925, 3-17-59, Cl. 221-171.
- Meler Electric and Machine Co., Inc.: See—  
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- Meler, George. Cigar and cigarette holders. 2,902,999, 9-8-59, Cl. 131-182.
- Meler, George D.: See—  
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- Potchen, Joseph A., Kloote, and Meler. 2,875,117.
- Meler, George D., G. E. Kloote, and J. A. Potchen, to Haskellite Mfg. Corp. Panel and fastener assembly and method of making same. 2,898,258, 8-4-59, Cl. 154-118.
- Meler, Johann, to E. Mettler. Laboratory balance. 2,902,272, 9-1-59, Cl. 265-54.
- Meler, Konrad: See—  
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- Meler, Oskar, to Gesellschaft der Ludw. von Roll'schen Eisenwerke A.G. Mandrel adjusting device for tube extrusion press. 2,902,147, 9-1-59, Cl. 207-3.



- Meier, Vincent I., to United States of America, Navy. Quick release mechanism. 2,869,208, 1-20-59, Cl. 24-230.
- Meighan, William A. Quick detachable coupler. 2,917,799, 12-22-59, Cl. 24-136.
- Meijer, Leo. Laminated fluorescent sign. 2,878,606, 3-24-59, Cl. 40-134.
- Meljer, Jan L., and G. H. Broers, to North American Philips Co., Inc. Manufacture of porous articles of predetermined shape and dimensions from high-melting-point metals. 2,916,814, 12-15-59, Cl. 29-424.
- Meikle, Richard W.: See—  
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- Meikle, Richard W., to The Dow Chemical Co. 4-chlorobenzyl-sulfonyl fluoride. 2,911,439, 11-3-59, Cl. 260-543.
- Meiler, John G., and E. A. N. Johnson, to Rayonier Inc. Process for producing hard board. 2,907,071, 10-6-59, Cl. 18-475.
- Melli, Jay E.: See—  
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- Mellinger Fixtures Co.: See—  
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- Mellinger, Raymond and B., to Mellinger Fixtures Co. Interlocking molding members for cabinet assembly and method of assembly. 2,884,296, 4-28-59, Cl. 312-263.
- Mellink Steel Safe Co.: See—  
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- Meindl, Frank: See—  
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- Meinel, Karl, to Wacker-Chemie G.m.b.H. Process for manufacturing nitrogen-containing polymerizates insoluble in water. 2,901,468, 8-25-59, Cl. 260-855.
- Meirelt, Arno, to VEB Sprlo-Werke. Lubricant distributing pump. 2,873,003, 2-10-59, Cl. 184-27.
- Meiners, Edwin P., Jr., to California Research Corp. Removing normal moveout from seismic traces. Re. 24,648, 5-12-59, Cl. 340-15.
- Meinert, Norbert: See—  
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- Meinhart, Donald R. End-joints for tubing and method for making the same. 2,886,389, 5-12-59, Cl. 311-114.
- Meinholtz, Edward C., and D. Martignon. Freight handling equipment. 2,904,370, 9-15-59, Cl. 294-110.
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- Melsel, Frederick W., Jr., to Allied Asphalt & Mineral Corp. Mold release agent. 2,901,361, 8-25-59, Cl. 108-38.23.
- Melsel, George M., and H. P. Kautz, to The Mine & Smelter Supply Co. Heavy media separator. 2,868,376, 1-13-59, Cl. 209-172.5.
- Melsel, Herbert R.: See—  
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- Melsel, Seymour L.: See—  
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- Meissner, Charles R., to Bell Telephone Laboratories, Inc. Method for making a transposed conductor structure. 2,889,239, 6-2-59, Cl. 117-212.
- Meissner, William E., to American Viscose Corp. Stairway carpeting. 2,867,015, 1-6-59, Cl. 20-79.
- Meissner, William E., to American Viscose Corp. Method for packaging fluid materials. 2,872,760, 2-10-59, Cl. 53-20.
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- Meissner, William E. Method of centrifugally forming arch wall tubing. 2,895,172, 7-21-59, Cl. 18-56.
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- Meister, Jack, to United States of America, Army. Fuse pressure arming. 2,918,870, 12-29-59, Cl. 102-49.
- Meister, Martin, G. Mauthe, and K. Faber, to Farbenfabriken Bayer Akt. Process of retanning leather with condensation products of phenols, amines and formaldehyde. 2,890,095, 6-9-59, Cl. 8-94.21.
- Meister, Peter D.: See—  
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- Mekkes, Lee T., to General Motors Corp. Self-contained hydraulic lash adjuster. 2,871,839, 2-3-59, Cl. 123-90.
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- Melamed, Sidney: See—  
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- Melanson, Robert C. Multiple tamping machine. 2,908,206, 10-13-59, Cl. 94-49.
- Melaro, Rose E. Hair waving mandrel. 2,896,637, 7-28-59, Cl. 132-34.
- Melas, Adalbert, to Burgess-Manning Co. Recorder pen assembly. 2,876,740, 3-10-59, Cl. 120-42.06.
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- Melbert, James S.: See—  
McClure, Holmes H., Melbert, and Hoblit. 2,886,605.
- Melcher, Conway H.: See—  
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- Melches-Serrano, Carlos: See—  
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- Melchiona, James V. Shoe spike. 2,895,235, 7-21-59, Cl. 36-59.
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- Meldrum, Donald N., to National Foam System, Inc. Apparatus for de-airing filled containers. 2,897,851, 8-4-59, Cl. 141-70.
- Meldrum, Roy W. Christmas tree holder. 2,913,202, 11-17-59, Cl. 248-44.
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- Melgaard, Oscar C., to Wright Mfg. Co. Mounting structure for air conditioning apparatus. 2,868,102, 1-13-59, Cl. 98-39.
- Melhart, Leonard J. Coaxial magnetohydrodynamics switch device. 2,909,695, 10-20-59, Cl. 313-197.
- Melhorn, Carl E.: See—  
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- Melich, Edwin G., and J. N. Vall. Milk container dispensing units. 2,890,008, 6-9-59, Cl. 248-142.
- Melick, George F.: See—  
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- Mellin, Russell M.: See—  
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- Mellam, Leo L.: See—  
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- Melland, Ole J. Rotary pneumatic harvester reel. 2,909,022, 10-20-59, Cl. 56-220.
- Mellen, Alice M.: See—  
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- Mellencamp, Robert E. Mobile display unit having elevatable drive devices. 2,874,791, 2-24-59, Cl. 180-6.5.
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- Mellinger, John C., to The Maytag Co. Drive assembly mounting. 2,910,890, 11-3-59, Cl. 74-722.
- Mellor, Alfred S., to United Shoe Machinery Corp. Outsole roughing machines. 2,869,349, 1-20-59, Cl. 69-6.5.
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- Meloy, Norman F. Power line attachment for shovels. 2,890,082, 8-11-59, Cl. 212-42.
- Meloy, Norman F. Adjustable heel for use with log tongs and dipper. 2,903,146, 9-8-59, Cl. 214-147.
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- Melton, Axel A., Hazel, Gary, and Gittler. 2,904,785.
- Smith, Blanchard D., Jr. 2,896,027.
- Vossen, Bernd. 2,868,413.
- Vossen, Bernd, and Hazel. 2,911,646.
- Melson, Walter A., to Bowden (Engineers) Ltd. Plural layer type flexible hose coupling. 2,888,277, 5-26-59, Cl. 235-149.
- Melstad, Joel L.: See—  
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- Melstrom, Donald S.: See—  
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- Melton, Andrew E.: See—  
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- Melton, Ben S. Apparatus for testing for the existence of signals in the presence of overriding noise. 2,897,351, 7-28-59, Cl. 250-20.
- Melton, Clyde R., to North Texas Mfg. Corp. Tube shield. 2,876,276, 3-3-59, Cl. 174-35.
- Melton, James O., and I. M. Carpenter, to The Geograph Co. Drill pipe valve. 2,884,002, 4-28-59, Cl. 137-454.2.
- Melton, William L. Electrical oil heating device. 2,907,861, 10-6-59, Cl. 219-43.
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- Meltzer, Jack. Sock lining unit having a built-in bridging element. 2,897,612, 8-4-59, Cl. 36-58.5.
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- Melville, Albert: See—  
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- Melville, Alexander: See—  
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- Melville, Lydia: See—  
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- Melville, Thomas: See—  
Knight, Robert D., and Melville. 2,911,695.
- Melville, William J. Method of producing liquid organic plant food. 2,879,151, 3-24-59, Cl. 71-8.
- Melville, William S., to The British Thomson-Houston Co. Ltd. Pulse generating electrical circuit arrangements. 2,869,004, 1-13-59, Cl. 307-108.
- Melvin, Myron F.: See—  
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- Melvin, William S., and A. F. Nichols, to E. I. du Pont de Nemours and Co. Manufacture of tetraethyl lead. 2,907,780, 10-6-59, Cl. 260-437.
- Melzak, Zdzislaw A.: See—  
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- Melzer, Wolfgang, and W. Schuster, to Aktiengesellschaft Kuhnle, Kopp & Kausch. Method of rendering porous graphite body impervious to fluids. 2,917,404, 12-15-59, Cl. 117-47.
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- Mempel, Rudolf, to Licentia Patent-Verwaltungs-G.m.b.H. Anti-friction bearings. 2,888,303, 5-26-59, Cl. 308-187.1.
- Mena, Carl M. Check valve with valve seat of resilient material. 2,896,663, 7-28-59, Cl. 137-539.
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- Mencotti, Claudio F. Welding torch attachment. 2,887,562, 5-19-59, Cl. 219-75.
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- Mendelsohn, Meyer, to Ions Exchange & Chemical Corp. Separator for electric battery. 2,915,579, 12-1-59, Cl. 136-146.
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- Mendelson, Marvin B.: See—  
Beebe, Frederick L., and Mendelson. 2,892,991.
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- Mendoza, Manuel. Shoe sole. 2,904,724, 9-15-59, Cl. 317-2.
- Meneley, William E., to California Research Corp. Booster pump station control. 2,870,716, 1-27-59, Cl. 103-12.
- Menewisch, William T., to General Motors Corp. Two-way height control overrule for air suspended vehicle. 2,881,799, 4-14-59, Cl. 137-596.
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- Menge, Eberhard, to Brunsviga Maschinenwerke Akt. Value transfer mechanism. 2,879,938, 3-31-59, Cl. 235-63.
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- Mengel, William R., to Magnat Machinery & Pattern Corp. Mechanism for securing roll to shaft. 2,890,517, 6-16-59, Cl. 29-129.
- Menges, Howard C. Sign and fixture therefor. 2,895,246, 7-21-59, Cl. 40-145.
- Menzis, Albin J., to Wolf Brothers, Inc. Apparatus for applying pressure sensitive materials. 2,901,999, 9-1-59, Cl. 118-1.
- Menhall, James W.: See—  
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- Menhall, James W. Clockless parking meter. 2,904,154, 9-15-59, Cl. 194-74.
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Menter, Henry. Perculator aeration device. 2,876,693, 3-10-59, Cl. 99-312.  
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Mentes, Alexander G. Aggregate spreader with vertically and horizontally adjustable wheels. 2,874,621, 2-24-59, Cl. 94-46.  
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Mercler, Jean. Closure valve for the outlet port of a pressure accumulator. 2,880,758, 4-7-59, Cl. 138-30.  
Mercler, Jean. Accumulator construction. 2,886,064, 5-12-59, Cl. 138-30.  
Mercler, Jean. Pressure fluid distributor valves. 2,889,814, 6-9-59, Cl. 121-465.  
Mercler, Jean. Automatic follow-up system for successive application of power sources. 2,892,310, 6-30-59, Cl. 60-51.  
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- Merritt, Thomas W., and C. A. Thomas, to Babson Bros. Co. Milker. 2,869,512, 1-20-59, Cl. 119-14.6.
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- Mertz, Clyde W., and P. F. Warner, to Phillips Petroleum Co. Control of polymerization processes. 2,886,616, 5-12-59, Cl. 260-683.15.
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- Milnes, Robert A. 2,905,137.
- Messmore, Harold. Display device. 2,871,521, 2-3-59, Cl. 20-5.
- Messner, George A., and R. P. Cero, to Royal McBee Corp. Locking device for typewriters and like machines. 2,880,839, 4-7-59, Cl. 197-145.
- Messrs. Lumoprint Zindler K.G.: See—  
Limberger, Walter. 2,878,741.
- Messrs. Metallwerke Gebr. Sepefricke G.m.b.H.: See—  
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- Messrs. Striwa A.G.: See—  
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- Messwarb, Gunter: See—  
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- Mestre, Auguste F., to International Business Machines Corp. Magnetic core temperature regulation. 2,919,434, 12-29-59, Cl. 340-174.
- Mestre, Luis. Collating apparatus. 2,876,008, 3-3-59, Cl. 271-64.
- Mestre, Luis, to Lewfor Development Corp. Multiple sheet ejecting mechanism. 2,890,884, 6-16-59, Cl. 271-56.
- Mestre, Luis, to Lewfor Development Corp. Offset printing machine and sheet gage. 2,899,202, 8-11-59, Cl. 271-53.
- Mestre, Luis, to Lewfor Development Corp. Inking and dampening means for an offset printing machine. 2,915,970, 12-8-59, Cl. 101-144.
- Meszaros, George W., to Bell Telephone Laboratories, Inc. Current supply apparatus. 2,903,639, 9-8-59, Cl. 321-18.
- Metal Box Co. Ltd., The: See—  
Powell, Dan, and Ailsopp. 2,895,527.
- Stuchbery, Arthur L. 2,894,481.
- Metal Cutting Tools, Inc.: See—  
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- Metal Decking Corp.: See—  
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- Metal Diffusions, Inc.: See—  
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- Metal Fabricators Corp.: See—  
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- Metal Hydrides Inc.: See—  
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- Bragdon, Robert W. 2,883,263.
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- Hinckley, Alfred A., and Del Guidice. 2,900,224.
- Kollonitsch, Janos. 2,903,470.
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- Wade, Robert C. 2,872,982.
- Winiarczyk, Edward R. 2,900,240.
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- Metal-Lux S. r. l.: See—  
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- Metal Masters Co.: See—  
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- Metal Sections Ltd.: See—  
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- Rieppel, Perry J., Clapp, and Elliott. 2,882,588.
- Metal Textile Corp.: See—  
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- Metal and Thermit Corp.: See—  
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- Coffeen, William W. 2,868,658.
- Forman, Herbert B. 2,914,379.
- Herbert, Wilhelm, Grob, and Eisenlohr. 2,888,491.
- Howard, Leo F. 2,898,283.
- Johnson, Ernest W. 2,891,922.
- Passal, Frank. 2,873,234.
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- Ramsden, Hugh E. 2,867,641.
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- Rosenberg, Sanders D., and Gibbons. 2,873,288.
- Stareck, Jesse E., Seyb, Jr., Johnson, and Rowan. 2,916,424.
- Weinberg, Elliott L. 2,867,566.
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- Weinberg, Elliott L. 2,915,428.
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- Hirst, Archie J., and Clark. 2,891,744.
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- Metals and Chemicals Corp.: See—  
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- Metals Disintegrating Co., Inc.: See—  
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- Metallgesellschaft Aktiengesellschaft: See—  
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- Ruppert, Wilhelm, Schwedler, Essewein, and Fritz. 2,884,894.
- Schranz, Hubert. 2,899,392.
- Schytli, Franz. 2,893,839.
- Selig, Ludwig. 2,889,576.
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- Metallizing Engineering Co. Inc.: See—  
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- Metallurgical Processes Co.: See—  
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- Metallurgical Processes Ltd., and National Smelting Co. Ltd., The: See—  
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- Zademach, Erich R., Auger, and Lans. 2,867,225.
- Metcalf, Derek N. G., to Athena Industries, Inc. Waste container. 2,903,215, 9-8-59, Cl. 248-99.
- Metcalf, Howard F.: See—  
Hart, Gene E., and Metcalf. Re. 24,616.
- Metcalf, Joe S., to Monsanto Chemical Co. Inorganic phosphate compositions, and methods for the preparation and utilization thereof. 2,904,513, 9-15-59, Cl. 252-135.
- Metcalf, Kenneth, to Universal Cyclops Steel Corp. Free-machining austenitic alloys. 2,900,250, 8-18-59, Cl. 73-124.
- Metcalf, Kenneth A., and R. J. Wright, to Commonwealth of Australia (% Secretary of the Department of Supply). Coating surfaces by employing an electrostatic field. 2,898,279, 8-4-59, Cl. 204-151.
- Metcalf, Kenneth A., and R. J. Wright, to Commonwealth of Australia, care of the Secretary of the Department of Supply. Solid separation by electrophoretic means. 2,900,320, 8-18-59, Cl. 204-300.
- Metcalf, Kenneth A., and R. J. Wright, to The Commonwealth of Australia, care of the Secretary of the Department of Supply. Process for developing electrostatic image with liquid developer. 2,907,674, 10-6-59, Cl. 117-37.
- Metcalf, Samuel L. Screw clamp with a flexible clamping element. 2,907,360, 10-6-59, Cl. 144-297.
- Metcalf, Thomas O., Jr. Grain car barricade. 2,907,385, 10-6-59, Cl. 160-368.
- Metcalf, William K., to Midland-Ross Corp. Drying equalizer arrangement. 2,910,784, 11-3-59, Cl. 34-114.
- Metenier, Robert: See—  
Bidault, Philippe, and Metenier. 2,903,427.
- Metenier, Robert H., and J.-B. Signouret, to Esso Standard Societe Anonyme Francaise. Alkali metal soap thickened lubricating oil. 2,874,122, 2-17-59, Cl. 252-42.1.
- Meteor A.G.: See—  
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- Metevia, William P., to The L. S. Starrett Co. Friction thimble. 2,871,571, 2-3-59, Cl. 33-164.
- Methe, George H., and D. K. Patterson, to L. A. Young Spring & Wire Corp. Binding strap anchoring structure. 2,882,837, 4-21-59, Cl. 105-369.
- Metheny, Donald E., to General American Transportation Corp. Processes of continuous chemical nickel plating. 2,872,353, 2-3-59, Cl. 117-130.
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- Metivier, Jean, to Societe des Usines Chimiques Rhone-Poulenc. Phosphorus derivatives. 2,905,700, 9-22-59, Cl. 260-345.9.
- Mettraller, Francis M., to Kitchen-Quip, Inc. Spring metal mounting clutch. 2,873,131, 2-10-59, Cl. 287-103.
- Mettraller, William J.: See—  
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- Mettraller, William J., to Esso Research and Engineering Co. High temperature burning of particulate carbonaceous solids. 2,884,303, 4-28-59, Cl. 23-1.
- Mettraller, William J., to Esso Research and Engineering Co. Process for feeding heavy oils into conversion systems. 2,891,000, 6-16-59, Cl. 208-157.
- Mettraller, William J., to Esso Research and Engineering Co. Transfer line chemicals coking process. 2,903,416, 9-8-59, Cl. 208-127.
- Metrawatt Aktiengesellschaft: See—  
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- Metrawatt, Fabrik Elektrischer Messgerate: See—  
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- Metric Hosiery Co., Inc.: See—  
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- Metropolis Bending Co.: See—  
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- Belsey, Frederick H., and Johnston. 2,885,624.
- Benson, Leonard E., and Raine. 2,907,595.
- Craig, Robert D. 2,887,582.
- Ennis, Arthur S. 2,879,418.
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- Hamilton, Andrew, and Naylor. 2,919,371.
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- Neville, Sidney, and Owen. 2,899,555.
- Raine, Thomas. 2,903,611.
- Smith, Eric, and Turnbull. 2,888,354.
- Tudge, Joseph. 2,900,538.
- Turnbull, John S. 2,877,523.
- Metrolis, Raymond R. Combination level, rule and protractor device. 2,878,569, 3-24-59, Cl. 33-88.
- Mettler, Erhard: See—  
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- Metttoy Co., The: See—  
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- Metttoy Co. Ltd., The: See—  
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- Metz, Harry A.: See—  
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- Metz, Henry E., to Baxter Laboratories, Inc. Artificial kidney manufacture. 2,880,501, 4-7-59, Cl. 29-450.
- Metz, Hyman M.: See—  
Kraft, William M., and Metz. 2,915,488.
- McBee, Earl T., Pierce, and Metz. 2,899,454.
- Metz, Jack L., to Warwick Mfg. Corp. Record playing apparatus. 2,885,486, 5-5-59, Cl. 179-100.1.
- Metz, Weldon L., and W. A. Derr, to Westinghouse Electric Corp. Circuit interrupter control circuits. 2,909,709, 10-20-59, Cl. 317-29.
- Metzeler Gummiwerke AG: See—  
März, Otto. 2,873,459.
- Metzgar, Harry H., deceased; W. Rickard, executor, to W. A. and F. Rickard. Stone breaker. 2,889,823, 6-9-59, Cl. 123-23.
- Metzner, Albert W., to The Standard Register Co. Strip feeding device. 2,873,838, 2-17-59, Cl. 197-126.
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- Metzger, Alfred P., to Union Carbide Corp. Antistatic resin compositions. 2,872,432, 2-3-59, Cl. 260-45.5.
- Metzger, Edith B.: See—  
Metzger, Parke H. and E. B. 2,896,809.
- Metzger, Horst: See—  
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- Von Schieck, Otto, and Metzger. 2,883,377.
- Metzger, Leopold H., to Super-Cut, Inc. Multiple grinding wheel. 2,867,063, 1-6-59, Cl. 51-209.
- Metzger, Leopold H., and H. C. Miller, to Super-Cut, Inc. Method of and apparatus for dressing grinding wheels. 2,889,822, 6-9-59, Cl. 125-11.
- Metzger, Matt F., to General Electric Co. Control system for clothes dryers. 2,869,247, 1-20-59, Cl. 34-45.
- Metzger, Matt F., to General Electric Co. Multiple extraction speed laundry machine having unbalance sensing means. 2,911,812, 11-10-59, Cl. 68-12.
- Metzger, Parke H. and E. B. Nesting pall. 2,896,809, 7-28-59, Cl. 220-20.
- Metzger, Walter, and H. Meis, to Rutgerswerke-Aktiengesellschaft. Thermosetting aminoplast resins cured with amino acid catalyst. 2,914,504, 11-24-59, Cl. 260-45.2.
- Metzger, William J., to National Malleable and Steel Castings Co. Car coupler. 2,870,919, 1-27-59, Cl. 213-100.
- Metzger, William J., to National Malleable and Steel Castings Co. Car coupler. 2,889,939, 6-9-59, Cl. 213-64.
- Metzger, William J., to National Malleable and Steel Castings Co. Railway draft rigging. 2,889,940, 6-9-59, Cl. 213-69.
- Metzger, William J., to National Malleable and Steel Castings Co. Car coupler. 2,909,293, 10-20-59, Cl. 213-146.
- Metzger, William J., to National Malleable and Steel Castings Co. Car coupler. 2,919,038, 12-29-59, Cl. 213-148.
- Metzger, Max, to Olin Mathieson Chemical Corp. Manufacture of duplex composition of sodium tripolyphosphate and sodium silicate solution. 2,909,490, 10-20-59, Cl. 252-135.
- Metzke, William R., to Allis-Chalmers Mfg. Co. Seal structure. 2,911,266, 11-3-59, Cl. 308-187.1.
- Metzler, Otto. Device for automatically indicating the critical oil level in engines, especially engines of motor vehicles. 2,874,243, 2-17-59, Cl. 200-84.
- Metzner, Albert W., to The Standard Register Co. Strip handling device. 2,904,332, 9-15-59, Cl. 271-2.1.
- Meulemans, Benedict E., and W. H. Pauly, to Swift & Co. Manufacture of cheese slabs or the like. 2,902,804, 9-8-59, Cl. 53-122.
- Meull, Lloyd J., to The Dow Chemical Co. Agronomical practice for the control of nematodes with 1,2,3-tribromopropane. 2,895,872, 7-21-59, Cl. 167-39.
- Meulnart, André. Tackle for line-cast fishing. 2,908,102, 10-13-59, Cl. 43-18.
- Meuly, Walter C., to E. I. du Pont de Nemours and Co. N-(dialkylthiocarbamyl-mercaptomethyl) derivatives of guanidine compounds, useful as bactericides and rodent repellents. 2,910,497, 10-27-59, Cl. 260-455.
- Meuly, Walter C., to E. I. du Pont de Nemours and Co. N-(dimethylthiocarbamyl-mercaptomethyl)-carbamate esters. 2,910,498, 10-27-59, Cl. 260-455.
- Meunier, Frederick A., to Republic Steel Corp. Continuous control for strip mills and the like. 2,871,940, 2-3-59, Cl. 164-61.
- Meunier, Rose B. P.: See—  
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- Meurer, Siegfried, to Maschinenfabrik Augsburg-Nürnberg A. G. Masked valve. 2,868,187, 1-13-59, Cl. 123-188.
- Meurer, Siegfried, to Maschinenfabrik Augsburg-Nürnberg A. G. Combustion chamber for fuel injection internal combustion engine. 2,873,727, 2-17-59, Cl. 123-32.
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- Meurer, Siegfried, H. J. Ramundt, E. Merkel, and J. Liebel, to Maschinenfabrik Augsburg-Nürnberg A. G. Preheating apparatus for internal-combustion engines. 2,904,028, 9-13-59, Cl. 123-180.
- Meurer, Siegfried, and H. Seegelen. Operation of internal combustion engines. 2,907,308, 10-4-59, Cl. 123-32.
- Meusy, Eugene L., to Baso Inc. Flow control apparatus. 2,881,779, 4-14-59, Cl. 137-66.
- Meusy, Eugene E., to Baso Inc. Valve. 2,902,249, 9-1-59, Cl. 251-85.
- Mewherter, Jack L.: See—  
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- Meyer, Alfred W., A. G. Roork, and E. R. Deardorff, to Guy F. Atkinson Co. Self-priming pumping system. 2,902,940, 9-8-59, Cl. 103-113.
- Meyer, Alvin L.: See—  
Cieland, James E., and Meyer. 2,873,193.
- Meyer, Alvin L., and J. E. Cieland, to Union Starch & Refining Co. Isolating caramel coloring compounds from caramelized sugars. 2,902,393, 9-1-59, Cl. 127-34.
- Meyer, Andre J. Function computers. 2,898,038, 8-4-59, Cl. 235-61.
- Meyer, Armin, to Ciba Ltd. Process and apparatus for producing variable area records on lenticular films. 2,914,407, 11-24-59, Cl. 96-45.
- Meyer, Arthur R., and J. F. O'Brien, to United States of America, Army. Pivotal mounted oscillating breech member coupled with a ramactor mechanism. 2,876,680, 3-10-59, Cl. 89-156.
- Meyer, August W.: See—  
Dalle Mura, Pio H., and Meyer. 2,917,716.
- Meyer, Barthold F., to General Motors Corp. Mechanical movement device. 2,876,653, 3-10-59, Cl. 74-424.8.
- Meyer, Barthold F., to General Motors Corp. Mechanical movement device. 2,893,258, 7-7-59, Cl. 74-424.8.
- Meyer, Barthold F., to General Motors Corp. Window regulator drive mechanism. 2,899,832, 8-18-59, Cl. 74-413.
- Meyer, Barthold F., and L. B. Ragsdale, to General Motors Corp. Window regulator drive mechanism. 2,905,003, 9-22-59, Cl. 74-89.
- Meyer, Barthold F., and N. Toruk, to General Motors Corp. Circuit controller. 2,918,566, 12-8-59, Cl. 200-5.
- Meyer, Bruce L., to Sperry Rand Corp. Phase demodulation. 2,904,683, 9-15-59, Cl. 250-27.
- Meyer-Busch, Gert. Mountings of spindles in spinning or thread twisting machines. 2,894,365, 7-14-59, Cl. 57-132.
- Meyer, Charles F.: See—  
Mierendorf, Robert C., and Meyer. 2,915,699.
- Meyer, Clarence B. F. Field tile cleaner. 2,910,158, 10-27-59, Cl. 192-17.
- Meyer, Cornelis A. Clamping devices. 2,893,766, 7-7-59, Cl. 287-58.
- Meyer, Curtis E., to The Upjohn Co. Therapeutic Composition. 2,870,019, 1-20-59, Cl. 99-123.
- Meyer, Cyril G. Row crop attachment for combines. 2,867,962, 1-13-59, Cl. 56-158.
- Meyer, Daniel A., to The Dayton Rubber Co. Textile rubber apron. 2,899,715, 8-18-59, Cl. 19-153.
- Meyer, Delbert H., to Standard Oil Co. Preparation of methyl and ethyl esters of aromatic carboxylic acids. 2,873,292, 2-10-59, Cl. 260-475.
- Meyer, Earl A., to Bjorksten Research Laboratories, Inc. Solar distillation device. 2,877,164, 3-10-59, Cl. 202-185.
- Meyer, Earl A., and M. J. Bina, to Bjorksten Research Laboratories, Inc. Liquid injector. 2,869,761, 1-20-59, Cl. 222-185.
- Meyer, Earl W., Jr., and G. E. Spaulding, Jr., to The Electric Auto-Lite Co. Spark plug construction. 2,914,693, 11-24-59, Cl. 313-124.
- Meyer, Earl W., Jr., and G. E. Spaulding, Jr., to The Electric Auto-Lite Co. Devices for regulating electrical discharges. 2,914,695, 11-24-59, Cl. 313-325.
- Meyer, Edward B. and E. T. to Meyer Products, Inc. Snow moving implement. 2,884,720, 5-5-59, Cl. 37-47.
- Meyer, Edward J. Gun mount assembly. 2,868,080, 1-13-59, Cl. 89-37.
- Meyer, Edward J., to North American Aviation, Inc. Latch type aircraft gun mount. 2,889,752, 6-9-59, Cl. 89-37.5.

- Meyer, Edward J., to North American Aviation, Inc. Electrical gun-switch assembly. 2,898,812, 8-11-59, Cl. 89-135.
- Meyer, Edward T.: See—  
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- Meyer, Edwin W.: See—  
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- Meyer, Engelbert A., to General Motors Corp. Clip assembly. 2,875,493, 3-3-59, Cl. 24-213.
- Meyer, Engelbert A., to General Motors Corp. Stud retainer with teeth arranged to engage stud in a plurality of positions. 2,903,939, 9-15-59, Cl. 85-36.
- Meyer, Engelbert A., to General Motors Corp. Threadless stud retainer having a plurality of lugs to engage work surface. 2,906,159, 9-29-59, Cl. 85-36.
- Meyer, Francis D. Simulated Christmas tree. 2,916,843, 12-15-59, Cl. 41-15.
- Meyer, Franklin. Compensated capacitive gravimetric apparatus. 2,918,518, 12-29-59, Cl. 73-304.
- Meyer, Friedrich, to Felsa S. A. One way engaging clutch. 2,874,580, 2-24-59, Cl. 74-126.
- Meyer, Friedrich-Johann, and W. Wirth, to Farbenfabriken Bayer Akt. Therapeutically valuable calcium salts. 2,891,053, 6-16-59, Cl. 260-211.
- Meyer, Geo. J. Mfg. Co.: See—  
Carter, Sidney T. 2,880,845.
- Carter, Sidney T. 2,890,787.
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- Meyer, George L. N. 2,881,902.
- Meyer, George W., Jr., to Geo. J. Meyer Mfg. Co. Case conveyors. 2,881,902, 4-14-59, Cl. 198-75.
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- Meyer, Gerson. Readily adjustable drapery holder. 2,881,494, 4-14-59, Cl. 24-86.
- Meyer, Hans. Micrometer indicator. 2,900,731, 8-25-59, Cl. 33-166.
- Meyer, Hans-Joachim K., to Ampac Laboratories Corp. Slaving mechanism for gyros. 2,868,024, 1-13-59, Cl. 74-547.
- Meyer, Hans-Werner: See—  
Schandrock, Josef. 2,876,098.
- Meyer, Harry A., and A. F. L. Anderson, to American Radiator & Standard Sanitary Corp. Air conditioner. 2,884,769, 5-5-59, Cl. 62-288.
- Meyer, Henry A. Process and apparatus for finishing metal and products resulting therefrom. 2,867,949, 1-13-59, Cl. 51-9.
- Meyer, Henry F. Cam assembly and cam follower. 2,908,186, 10-13-59, Cl. 74-569.
- Meyer, Henry R., to National Steel Corp. Corner stud. 2,877,874, 3-17-59, Cl. 189-34.
- Meyer, James A., to Klekha Corp. Gear transmission. 2,886,983, 5-19-59, Cl. 74-780.
- Meyer, Jean G. A. M. J.: See—  
Blanchet, Andre F. M., and Meyer. 2,898,002.
- Meyer, John F.: See—  
Shaffer, Howard E., and Meyer. 2,889,304.
- Meyer, Kenneth H.: See—  
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- Meyer, Konrad, G. Hummel, H. Ewert, and E. G. Hofmann, to Licentia Patent-Verwaltungs-G.m.b.H. High power X-ray tube with membrane anode. 2,905,841, 9-22-59, Cl. 313-55.
- Meyer, Kurt: See—  
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- Meyer, Richard C. Battleship game. 2,898,108, 8-4-59, Cl. 273-130.
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- Meyer, Roelf J., to North American Philips Co., Inc. Hot-gas reciprocating apparatus. 2,867,973, 1-13-59, Cl. 60-24.
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- Meyer, Roland O., to Chemetron Corp. Nonfloculating metal phthalocyanine pigments. 2,902,384, 9-1-59, Cl. 106-288.
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- Meyers, Cal Y., to Union Carbide Corp. Calcium trimethylolphenate. 2,889,373, 6-2-59, Cl. 260-621.
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- Meyers, John S., to Stuhnitz Greene Corp. Spring structure. 2,910,115, 10-27-59, Cl. 135-179.
- Meyers, Milton M. Combination horn and flashlight. 2,893,344, 7-7-59, Cl. 116-112.
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- Mezzack, Joseph, to General Electric Co. Clamping arrangement for high voltage bushing. 2,878,304, 3-17-59, Cl. 174-167.
- Miskoff, Leonard, to Davidson Corp. Clutch for printing machine. 2,893,730, 7-7-59, Cl. 271-26.
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- Michael, Harold E., to Northrop Aircraft, Inc. Convex panel wing construction. 2,881,994, 4-14-59, Cl. 244-124.
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- Michaels, Edwin B., to The Stamford Chemical Co. Water repellent composition and article coated therewith. 2,913,427, 11-17-59, Cl. 260-27.
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- Michalak, Stanley A., and J. E. Imometti, to Symons Clamp & Mfg. Co. Scaffold bracket assembly for concrete forms. 2,882,101, 4-14-59, Cl. 304-14.
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- Michalke, Paul M.: See—  
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- Middleton, William H., 1/2 to E. T. Murray. Hydraulic type junk basket for wells. 2,890,756, 6-16-59, Cl. 166-99.
- Middleton, William J., to E. I. du Pont de Nemours and Co. Amino-substituted dicyanoethylenes. 2,883,368, 4-21-58, Cl. 260-78.4.
- Middleton, William J., to E. I. du Pont de Nemours and Co. Pyrolysis of thionyl tetrafluoride. 2,912,307, 11-10-59, Cl. 23-203.
- Middleton, William J., to E. I. du Pont de Nemours and Co. Certain substituted 6, amino-3,5-dicyano-2-picolines and process. 2,914,534, 11-24-59, Cl. 260-294.9.
- Middletown Milk & Cream Co., Inc.: See—  
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- Midgley, James A.: See—  
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- Midwest Automatic Control Co.: See—  
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- Miedel, Roland E. Compound projectile with separable sections. 2,870,710, 1-27-59, Cl. 102-50.
- Mieg, Peter. Fencing game. 2,868,542, 1-13-59, Cl. 273-1.
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- Miehle, William, to Burroughs Corp. Magnetic core shift register counter. 2,896,848, 7-28-59, Cl. 235-167.
- Miehle, William, to Burroughs Corp. Logical magnetic circuits. 2,905,833, 9-22-59, Cl. 307-88.
- Mielke, Elmer H. Trailer hitch. 2,890,898, 6-16-59, Cl. 280-508.
- Mielke, Karl-Heinz: See—  
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- Mier, Ferdinand A., to Knight Newspapers, Inc. Machine for pre-registering stereotype color mats. 2,900,735, 8-25-59, Cl. 33-184.5.
- Mierendorf, Robert C., to Square D Co. Electric welder control system. 2,873,421, 2-10-59, Cl. 323-58.
- Mierendorf, Robert C., and C. F. Meyer, to Square D Co. Metal detectors. 2,915,699, 12-1-59, Cl. 324-41.
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- Miesel, Ross A. Apparatus for punching cards. 2,869,641, 1-20-59, Cl. 164-111.
- Miessen, Walter, to J. and C. Monforts, trading as the firm A. Monforts. Napping machines. 2,876,523, 3-10-59, Cl. 26-35.
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- Mihanowich, Stanley, to Sperry Rand Corp. Electrical machine element and method of making same. 2,917,643, 12-15-59, Cl. 310-42.
- Mihulka, Victor. Electrically heated jewel setting appliance. 2,889,727, 6-9-59, Cl. 81-6.
- Millie, Walter V., to E. Roe, d.b.a. Coast Wire Co. Portable wire tying tool. 2,907,356, 10-6-59, Cl. 140-93.
- Mika, Daniel F., and D. A. Daugherty, to Precision Metal-smith, Inc. Induction heater control. 2,868,902, 1-13-59, Cl. 200-10.77.
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- Mika, Thomas F., to Shell Development Co. Curling polyalkyleneether polyurethanes with aromatic diisocyanates. 2,904,535, 9-15-59, Cl. 260-77.5.
- Mikesell, Keith L. Compass. 2,909,845, 10-27-59, Cl. 33-222.
- Mikesell, Richard M., to United States of America, Navy. Terminal means for toroidal electromagnetic devices. 2,906,978, 9-29-59, Cl. 336-192.
- Mikeska, Denny K. Tool for applying and removing threaded cylinder locks. 2,906,148, 9-29-59, Cl. 81-3.
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- Mikeska, Louis A., C. L. Read, and W. M. Basch, to Esso Research and Engineering Co. Process for producing highly refined petroleum oils. 2,882,220, 4-14-59, Cl. 208-95.
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- Mikos, John J., to S & C Electric Co. Switch construction. 2,917,609, 12-15-59, Cl. 200-146.
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- Milbourne, Charles G., to The United Gas Improvement Co. Method for the catalytic conversion of hydrocarbons. 2,868,632, 1-13-59, Cl. 48-214.
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- Miles, Robert L., and W. Dawson. Respirator. 2,894,508, 7-14-59, Cl. 128-146.
- Miles, Thomas O., Jr. Wire hangers for concrete members. 2,900,684, 8-25-59, Cl. 20-94.
- Miles, Walter L. Tie-rod for concrete forms. 2,887,757, 5-26-59, Cl. 25-131.
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- Miley, Walter M., S. B. Hughes, and R. L. High, to National Industrial Products Co. Composition of matter and method of making. 2,876,125, 3-3-59, Cl. 106-213.
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- Millar, John, Jr. Coupling for tubing. 2,881,017, 4-7-59, Cl. 287-34.
- Millar, John F., to Charles E. Frost & Co. Enteric coated product. 2,897,122, 7-28-59, Cl. 167-82.
- Millar, Norval P., to General Electric Co. Electrical measuring instrument. 2,883,624, 4-21-59, Cl. 324-150.
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- Millard, William J., Jr. Audience reaction measuring system. 2,878,996, 3-24-59, Cl. 235-22.
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- Miller, Abe, to Miller Laundry Machinery Co. Bottom dumping and container for laundry extractors. 2,904,183, 9-15-59, Cl. 210-287.
- Miller, Adolph. Metal plating bath. 2,872,346, 2-3-59, Cl. 117-65.
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- Miller, Alexander A., to General Electric Co. Polyethylene. 2,897,092, 7-28-59, Cl. 117-47.
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- Miller, Alfred J., to Union Carbide Corp. Thermochemical desulfurizing head. 2,897,883, 8-4-59, Cl. 158-27.4.
- Miller, Alfred L., and V. A., to International Latex Corp. Stable latex an interpolymers of a conjugated diene, an unsaturated nitrile, and an alpha-unsaturated acrylic acid, and method of preparation. 2,880,189, 3-31-59, Cl. 260-29.7.
- Miller, Alfred L., L. R. McNall, and J. Rehner, Jr., to Esso Research and Engineering Co. Method for identifying rubber. 2,904,693, 9-15-59, Cl. 250-106.
- Miller, Allyn C. Fluid pump or motor. 2,918,018, 12-22-59, Cl. 103-148.
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- Miller, Arthur S. Collapsible tubular semi-rigid rod. 2,905,282, 9-22-59, Cl. 189-34.
- Miller, Arthur S. Surveyor's levelling rod tape clamp. 2,909,839, 10-27-59, Cl. 33-74.
- Miller, August L., R. S. Brown, and R. A. Rusca, to United States of America, Agriculture. Carding apparatus. 2,879,549, 3-31-59, Cl. 19-104.
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- Miller, Carl A., to Librascope, Inc. Converter. 2,873,441, 2-10-59, Cl. 340-347.
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- Miller, Carl A., to Economics Laboratory, Inc. Calibrated injection pump. 2,916,998, 12-15-59, Cl. 103-38.
- Miller, Carl D., to The Cooper Bessemer Corp. Control device. 2,918,826, 12-29-59, Cl. 74-411.
- Miller, Carl F., to Westinghouse Electric Corp. Grid electrodes for electric discharge devices. 2,897,395, 7-28-59, Cl. 313-350.
- Miller, Carl F., to Westinghouse Electric Corp. Electrical discharge tube. 2,909,700, 10-20-59, Cl. 313-257.
- Miller, Carl F., and W. H. McCurdy, to Westinghouse Electric Corp. Electron discharge device. 2,892,119, 6-23-59, Cl. 313-278.
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- Miller, Charles E., to Radio Corp. of America. Automatically controlled signal receivers. 2,876,344, 3-3-59, Cl. 250-20.
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- Miller, Charles F., to Wildman Jacquard Co. Pattern means for knitting machine. 2,883,841, 4-28-59, Cl. 66-156.
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- Miller, Charles J., to Charles Justin Miller. Combination back-rests and bag structures. 2,868,274, 1-13-59, Cl. 155-154.



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Pascucci, Julio A. 2,905,809.  
Miller, Dale W.: See—  
Battenberg, Virgil, Miller, Detamore, and Moore. 2,883,178.  
Hendrix, Sylvan G., and Miller. 2,887,164.  
Miller, Daniel B., to Miller Electric Co. Finger pull wall plug. 2,869,096, 1-13-59, Cl. 339-62.  
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Thompson, Stanley G., and Miller. 2,892,678.  
Miller, Daniel R., G. T. Seaborg, and S. G. Thompson, to United States of America, Atomic Energy Commission. Uranous iodate as a carrier for plutonium. 2,917,358, 12-15-59, Cl. 23-14.5.  
Miller, David B., to General Electric Co. Apparatus for and method of cooling beam transmitting windows. 2,898,492, 8-4-59, Cl. 313-74.  
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Miller, Delmar S.: See—  
Layton, William B., Jr., Miller, and Smith. 2,873,875.  
Miller, Donald: See—  
Klemp, George F., and Miller. 2,874,324.  
Miller, Donald B.: See—  
Dufour, Raymond J., and Miller. 2,893,758.  
Miller, Donald L., to Bendix Aviation Corp. Centrally controlled overrunning transmission. 2,919,001, 12-29-59, Cl. 192-104.  
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Ferris, Andrew K., and Miller. 2,912,206.  
Miller, Durando, Jr.: See—  
Beohner, Harry L., and Miller. 2,870,891.  
Miller, Earle C., to Riley Stoker Corp. Coal pulverizing apparatus. 2,894,696, 7-14-59, Cl. 241-43.  
Miller, Earle C., to Riley Stoker Corp. Fuel burning apparatus. 2,895,436, 7-21-59, Cl. 110-165.  
Miller, Edward A., to Fenestra Inc. System of building construction. 2,916,909, 12-15-59, Cl. 72-66.  
Miller, Edward E., to United States of America, Navy. Collision course fire control system. 2,879,502, 3-24-59, Cl. 343-7.  
Miller, Edward E., and F. Stowell. Manually operated folding panel. 2,897,887, 8-4-59, Cl. 160-97.  
Miller, Edward J. Fishing bobber. 2,881,552, 4-14-59, Cl. 43-44.91.  
Miller, Edward L. Captive collet, tie-on control knob. 2,906,550, 9-29-59, Cl. 287-53.  
Miller, Edwin J., and K. K. Kesling, to General Motors Corp. Refrigerating apparatus with magnetic latch. 2,871,676, 2-3-59, Cl. 62-264.  
Miller, Eldon F., to E. E. White. Motor-driven vehicles with refrigerating apparatus. 2,910,840, 11-3-59, Cl. 62-209.  
Miller Electric Co.: See—  
Miller, Daniel B. 2,869,096.  
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Mulder, Allan C. 2,880,374.  
Mulder, Allan C. 2,891,210.  
Miller, Elmer C., to Phillips Petroleum Co. Optical analyzer for fluids. 2,885,922, 5-12-59, Cl. 88-14.  
Miller, Elmer C., to Phillips Petroleum Co. Separation of fluid mixtures. 2,890,571, 6-16-59, Cl. 62-37.  
Miller, Elmer C., to Phillips Petroleum Co. Fractionator indicating and control method. 2,900,334, 8-18-59, Cl. 208-350.  
Miller, Elmer L.: See—  
Folkins, Hillis O., and Miller. 2,910,506.  
Miller, Elmer L. Hydraulic grapple loader. 2,883,230, 4-21-59, Cl. 294-88.  
Miller, Elmer L., and H. O. Folkins, to The Pure Oil Co. Process and catalyst for the isomerization of hydrocarbons. 2,918,509, 12-22-59, Cl. 260-683.65.  
Miller, Elvas A., and D. A. Johnson, to Reed Roller Bit Co. Erosible nozzle for roller bit. 2,900,171, 8-18-59, Cl. 255-313.  
Miller, Emery B.: See—  
Howard, Robert E., and Miller. 2,919,282.  
Miller, Ernest: See—  
Duvall, Harold A., and Miller. 2,917,083.  
Miller, Ernest B., to Jefferson Lake Sulphur Co. Method of and system for recovering H<sub>2</sub>S from natural gas containing a high percentage of H<sub>2</sub>S. 2,877,861, 3-17-59, Cl. 183-4.6.  
Miller, Ernest B., to Jefferson Lake Sulphur Co. Water heating system for providing hot water for sulphur mining. 2,889,683, 6-9-59, Cl. 60-39.57.  
Miller, Ernest B., and A. D. Sweet, to Jefferson Lake Sulphur Co. Method of and apparatus for flash separating hydrocarbons. 2,886,123, 5-12-59, Cl. 183-4.3.  
Miller, Ernest P., Sr.: See—  
Huge, Robert W. 2,899,805.  
Miller, Eugene, to Elgeet Optical Co., Inc. Turret attachment for photographic camera. 2,912,911, 11-17-59, Cl. 95-45.  
Miller, Eugene J. Flat bed trailer hitch. 2,872,059, 2-3-59, Cl. 214-506.  
Miller, Eugene M. Tool for repairing automotive transmissions. 2,887,923, 5-26-59, Cl. 82-4.  
Miller, Floyd F., and D. S. Conner, to Goodrich-Gulf Chemicals, Inc. Method of removing heavy metal catalyst from olefinic polymers by treatment with de-gassed water. 2,905,659, 9-22-59, Cl. 260-85.3.  
Miller, Frank C. Detachable antislip device. 2,888,754, 6-2-59, Cl. 36-7.7.  
Miller, Franklyn D.: See—  
Muller, Werner C., and Miller. 2,910,412.  
Stretton, Thomas E., and Miller. 2,916,428.  
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Miller, Fred F., Jr. Constant velocity universal joint. 2,875,600, 3-3-59, Cl. 64-21.  
Miller, Fred F., Jr., to Dana Corp. Universal joint. 2,916,896, 12-15-59, Cl. 69-17.  
Miller, Frederick J. L.: See—  
Robinson, Joseph N., Miller, and McDonnell. 2,895,994.  
Robinson, Joseph N., Miller, and McDonnell. 2,899,433.  
Miller, George: See—  
Renz, Emil K., and Miller. 2,901,017.  
Miller, George A.: See—  
Florey, Howard W., Abraham, Newton, Burton, Kelly, Hall, and Miller. 2,883,328.  
Miller, George J. Floor polishing attachment for vacuum cleaners. 2,873,465, 2-17-59, Cl. 15-231.  
Miller, Gerald W. Chain saw gauge. 2,901,834, 9-1-59, Cl. 33-202.  
Miller, Gustave: See—  
Bergan, Christian K. 2,894,655.  
Blaine, Alfred C. 2,883,765.  
Earles, Louis A., Jr. 2,904,225.  
Hicks, Harold C. 2,904,274.  
Oden, Clifford N. 2,893,071.  
Miller, Gustave. Article of furniture collapsible to a plane position. 2,874,013, 2-17-59, Cl. 311-84.  
Miller, Guy D. Catalyst bed support. 2,899,286, 8-11-59, Cl. 23-288.  
Miller, Harold C.: See—  
Metzger, Leopold H., and Miller. 2,889,822.  
Miller, Harold, and H. Krigsman. Cleaning device. 2,871,497, 2-3-59, Cl. 15-244.  
Miller, Harold C., to Super-Cut, Inc. Diamond dressing tool assembly. 2,890,694, 6-16-59, Cl. 125-39.  
Miller, Harold C., to Super-Cut, Inc. Method of mounting diamonds in tool shanks and other holders. 2,896,477, 7-28-59, Cl. 76-101.  
Miller, Harold C. Device for bathing and dressing infants. 2,902,699, 9-8-59, Cl. 4-177.  
Miller, Harold C., to Super-Cut, Inc. Cassette and holder therefor for back reflection cameras. 2,904,688, 9-15-59, Cl. 250-68.  
Miller, Harold C., to Super-Cut, Inc. Diamond dressing tool assembly. 2,912,971, 11-17-59, Cl. 125-39.  
Miller, Harold E., to The American Pad & Textile Co. Flotation garment. 2,893,020, 7-7-59, Cl. 9-20.  
Miller, Harold G., to Racine Hydraulics and Machinery, Inc. Rail drill. 2,887,908, 5-26-59, Cl. 77-11.  
Miller, Harold G., to Racine Hydraulics and Machinery, Inc. Rail drill feed mechanism. 2,887,909, 5-26-59, Cl. 77-11.  
Miller, Harold J. Chair arms. 2,879,835, 3-31-59, Cl. 153-188.  
Miller, Harold L.: See—  
Baden, Thomas A., Olson, Miller, and Copp. 2,907,406.  
Miller, Harold M., to Whitin Machine Works. Stop motion device for a textile machine. 2,881,982, 4-14-59, Cl. 242-36.  
Miller, Harold R.: See—  
Lundy, Rodney B., and Miller. 2,917,069.  
Miller, Harry B.: See—  
Grant, Max L., and Miller. 2,884,188.  
Miller, Harry B., to Grant Development Co. Coin assorting mechanism for use in a multiple-coin fare collecting apparatus. 2,881,775, 4-14-59, Cl. 133-3.  
Miller, Harry B., to Universal Winding Co. Textile spindle. 2,918,782, 12-29-59, Cl. 57-130.  
Miller, Harry B., and E. J. Brouters, to Universal Winding Co. Textile machine. 2,876,614, 3-10-59, Cl. 57-35.  
Miller, Harry C. Combination lock. 2,900,813, 8-25-59, Cl. 70-333.  
Miller, Harry C. Combination lock dial mechanism. 2,916,906, 12-15-59, Cl. 70-442.  
Miller, Harry C., J. L. Taylor, and H. M. McCoy. Security means for closure cabinets. 2,873,162, 2-10-59, Cl. 312-297.  
Miller, Harry C. Co.: See—  
Enikeleff, Oleg C. 2,879,316.  
Enikeleff, Oleg C. 2,913,689.  
Miller, Harry E. Universal joint. 2,904,975, 9-22-59, Cl. 64-17.

- Miller, Harry E., to W. M. Hale. Trolley wire tap and cable gripping means therefor. 2,911,611, 11-3-59, Cl. 339-109.  
Miller, Harry E. Drill. 2,918,954, 12-29-59, Cl. 145-125.  
Miller, Harry L. Turf plug cutter. 2,881,844, 4-14-59, Cl. 172-22.  
Miller, Harvey A., and H. Eisler, to Raytheon Mfg. Co. Magnetic amplifier pulse generators. 2,873,422, 2-10-59, Cl. 313-89.  
Miller, Henry C., and J. C. Grigger, to Pennsalt Chemicals Corp. Lead dioxide electrode. 2,872,405, 2-3-59, Cl. 204-290.  
Miller, Herbert J., M. M. Behles, and J. B. Clark, to United States of America, Navy. Quick release fastening apparatus. 2,904,366, 9-15-59, Cl. 292-300.  
Miller, Herman, Furniture Co.: See—  
James, Charles, Albinson, and Bauer. 2,893,469.  
Miller, Hobart G. Sheet container and dispenser. 2,904,214, 9-15-59, Cl. 221-43.  
Miller, Howard R., to Union Carbide Corp. Arc welding. 2,892,072, 6-23-59, Cl. 219-131.  
Miller, Hugh R.: See—  
Safranek, William H., and Miller. 2,905,603.  
Miller, Ivan, to Shafter Tool Works. Insert seal kelly cock. 2,886,282, 5-12-59, Cl. 251-172.  
Miller, Ivan K., to E. I. du Pont de Nemours and Co. Chemical composition and process. 2,879,170, 3-24-59, Cl. 106-105.  
Miller, Jack. Fountain type lettering pen. 2,878,782, 3-24-59, Cl. 120-45.4.  
Miller, Jacob I.: See—  
Fischer, Valentine J., Miller, Sass, and Witten. 2,867,509.  
Miller, James A., to Borg-Warner Corp. Transmission. 2,886,983, 5-19-59, Cl. 74-759.  
Miller, James A., to Borg-Warner Corp. Transmission. 2,892,361, 6-30-59, Cl. 74-682.  
Miller, James A., to Clark Equipment Co. Five speed planetary transmission. 2,894,415, 7-14-59, Cl. 74-688.  
Miller, James G. Directory and clip board combination. 2,888,781, 6-2-59, Cl. 40-10.  
Miller, James R., to Esso Research and Engineering Co. Lubricating oil containing an alkaline earth metal sulfonate, a co-neutralized nonyl phenate, and a metal diamyldithiocarbamate. 2,916,450, 12-8-59, Cl. 252-33.3.  
Miller, John. Hair cutting guide. 2,879,777, 3-31-59, Cl. 132-45.  
Miller, John C., to D. Menhenett. Method and apparatus for applying a coating. 2,888,176, 5-26-59, Cl. 232-396.  
Miller, John D., to Owens-Illinois Glass Co. Multiply carton construction. 2,908,436, 10-13-59, Cl. 229-15.  
Miller, John G., to Owens-Illinois Glass Co. Gob feeding of organic plastic materials. 2,894,285, 7-14-59, Cl. 18-30.  
Miller, John H.: See—  
Gilbert, Roswell W., and Miller. 2,896,166.  
Miller, John H., to Daystrom Inc. Test tube rack. 2,902,170, 9-1-59, Cl. 211-72.  
Miller, John H., and R. F. Estoppey, to Daystrom, Inc. Range change circuit for multirange electrical instrument. 2,905,899, 9-22-59, Cl. 324-115.  
Miller, John R. Outlet box for wallboard. 2,885,106, 5-5-59, Cl. 220-3.6.  
Miller, Jones I. Book rack attachment for chairs. 2,897,976, 8-4-59, Cl. 211-113.  
Miller, Joseph: See—  
Pezza, Lazzaro and E. D., and Miller. 2,871,480.  
Miller, Joseph B. Compositions for liquefaction of respiratory secretions. 2,905,589, 9-22-59, Cl. 167-58.  
Miller, Joseph F. Suction fancy for carding cylinders. 2,878,525, 3-24-59, Cl. 19-98.  
Miller, Joseph V., to American Optical Co. Means and method for forming goggles or the like. 2,895,138, 7-21-59, Cl. 2-14.  
Miller, Julius, and D. Del Guidice, to Pharma-Chemical Corp. Diazoamine dye intermediates. 2,897,186, 7-25-59, Cl. 260-140.  
Miller, Kaiser H. Method of identifying fluids and their points of influx in a well. 2,909,923, 10-27-59, Cl. 73-155.  
Miller, Kenneth D., Sr.: See—  
Brown, Oliver J., Jr., and Miller. 2,918,069.  
Miller, Kenneth D. Cable sheath cutting tool. 2,902,759, 9-8-59, Cl. 30-91.  
Miller, Kenneth W. Combination vehicle wheel and brake drum. 2,889,173, 6-2-59, Cl. 301-6.  
Miller, Keith W., to The General Tire & Rubber Co. Vibration isolator with variable damping. 2,896,937, 7-28-59, Cl. 267-1.  
Miller Laundry Machinery Co.: See—  
Miller, Abe. 2,867,329.  
Miller, Abe. 2,889,068.  
Miller, Laurence W. Nasal suction device. 2,890,699, 6-16-59, Cl. 128-278.  
Miller, La Verne E., to Collins Radio Co. Linear tuning curve inductor. 2,897,464, 7-28-59, Cl. 336-136.  
Miller, Leland D. Orthopedic device. 2,871,852, 2-3-59, Cl. 128-80.  
Miller, Leon F., to The Osborn Mfg. Co. Oscillatory molding machine. 2,879,504, 3-31-59, Cl. 22-21.  
Miller, Leon F., and E. K. Hatch, to The Osborn Mfg. Co. Blow and squeeze molding machine. 2,908,950, 10-20-59, Cl. 22-36.  
Miller, Lester M., to General Motors Corp. Washing machine. 2,897,665, 8-4-59, Cl. 68-23.  
Miller, Lewis S.: See—  
Jorgensen, Kristen, Williams, and Miller. 2,888,359.  
Miller, Lloyd G., to United Shoe Machinery Corp. Welt shoe sewing machines. 2,898,875, 8-11-59, Cl. 112-52.  
Miller, Louis D., and H. R. McQuillen, to Radio Corp. of America. Mandrel for mechanically converged electron gun. 2,914,317, 11-24-59, Cl. 269-117.  
Miller Lubricator Co.: See—  
Harkenrider, Robert J. 2,910,330.  
Miller, Rudolph W., and Harkenrider. 2,910,331.  
Miller Mfg. Co.: See—  
Hare, Terence G. 2,879,025.  
Miller, Marion E., and J. H. Yoder, to Barler Metal Products, Inc. Cabinet. 2,869,953, 1-20-59, Cl. 312-263.  
Miller, Mary L., to American Cyanamid Co. Preparation of graft copolymers. 2,873,240, 2-10-59, Cl. 204-158.  
Miller, Matha M.: See—  
Albertine, Albert W., Miller, and Zaller. 2,877,970.  
Miller, Max W.: See—  
Bavley, Abraham, Knuth, and Miller. 2,902,465.  
Miller, Abe. 2,904,183.  
Miller, Meral O., 50% to J. L. Matheny, 25% to T. R. Snider, and 1% to Western Inventors. Engine exhaust muffler. 2,903,085, 9-8-59, Cl. 181-47.  
Miller, Merle L.: See—  
Harris, Kenneth J., and Miller. 2,890,603.  
Miller, Merritt L., to International Telephone and Telegraph Corp. Pulse selector circuit. 2,874,279, 2-17-59, Cl. 250-27.  
Miller, Meritt L., to Farnsworth Research Corp. Radio guidance system. 2,892,189, 6-23-59, Cl. 343-107.  
Miller, Nathaniel. Necktie manufacture. 2,893,013, 7-7-59, Cl. 2-146.  
Miller, Nicholas: See—  
Moses, Edward E., and Miller. 2,912,835.  
Miller, Nicholas, to The Dole Valve Co. Thermostatic snap acting switch. 2,867,704, 1-6-59, Cl. 200-140.  
Miller, Nicholas, to General Electric Co. Control device. 2,870,314, 1-20-59, Cl. 219-20.  
Miller, Nicholas, to General Electric Co. Control device. 2,889,432, 6-2-59, Cl. 200-140.  
Miller, Nicholas, to The Dole Valve Co. Automatic heat control apparatus for cooking. 2,891,125, 6-16-59, Cl. 200-137.  
Miller, Nicholas, to The Dole Valve Co. Combined drier cyclor and thermostat. 2,915,610, 12-1-59, Cl. 200-140.  
Miller, Nikoll. Shrimp processing machine. 2,884,657, 5-5-59, Cl. 17-2.  
Miller, Ohmer R., to Bell Telephone Laboratories, Inc. High impedance input circuit amplifier. 2,881,266, 4-7-59, Cl. 179-171.  
Miller, Ohmer R., to Bell Telephone Laboratories, Inc. High impedance multiplier probe. 2,884,597, 4-28-59, Cl. 324-149.  
Miller, Oscar E. Grain drill shoes. 2,884,880, 5-5-59, Cl. 111-85.  
Miller, Oscar E. Subsoil planting plows. 2,885,978, 5-12-59, Cl. 111-86.  
Miller, Paul C., C. E. Beers, and G. G. Stoner, to General Aniline & Film Corp. Viscosity hydraulic fluid. 2,905,642, 9-22-59, Cl. 252-73.  
Miller, Paul C., Jr., to Fibercraft Products, Inc. Evaporator plates. 2,904,258, 9-15-59, Cl. 239-53.  
Miller, Paul J.: See—  
Marette, Ralph T., and Miller. 2,910,305.  
Miller, Philip, to Alexander Smith Inc. Non-woven fabric. 2,917,421, 12-15-59, Cl. 154-48.  
Miller, Philip L., Sr. Garden rake with attachment for cleaning the teeth thereof. 2,874,530, 2-24-59, Cl. 56-400.1.  
Miller, Ralph E. Floor tile heater. 2,902,578, 9-1-59, Cl. 219-25.  
Miller, Ralph L.: See—  
Kock, Winston E., and Miller. 2,895,005.  
Miller, Raymond E.: See—  
Littleton, Charles W. 2,885,121.  
Miller, Raymond L. Wobble disc for fruit sizing machine. 2,879,888, 3-31-59, Cl. 209-104.  
Miller, Raymond S., to Aerojet-General Corp. Differential fluid pressure switch device. 2,895,025, 7-14-59, Cl. 200-83.  
Miller, Raymond V. Automatically controlled mechanism for applying electric shavers to the face. 2,916,819, 12-15-59, Cl. 30-34.  
Miller, Reuben V.: See—  
Ollig, John L., Hirsch, Miller, and Westerholm. 2,909,781.  
Miller, Richard: See—  
Hirschmann, Ralph F., and Miller. 2,885,412.  
Hirschmann, Ralph F., Wendler, and Miller. 2,906,780.  
Miller, Richard L., Jr.: See—  
Rigterink, Raymond H., Miller, and Silvernail. 2,885,306.  
Rigterink, Raymond H., Miller, and Silvernail. 2,885,307.  
Miller, Richard R. Radio pulse echo device with alarm actuated by selected echoes. 2,878,465, 3-17-59, Cl. 343-5.  
Miller, Richard S.: See—  
Alter, Henry W., Davidson, Miller, and Mewherter. 2,868,707.  
Miller, Robert A., to Sier-Bath Gear and Pump Co., Inc. Flexible coupling for shafts. 2,918,809, 12-29-59, Cl. 64-9.



- Miller, Robert C.: See—  
Nordquist, Richard A., Miller, Bukosky, and Lindgren. 2,889,450.  
Nordquist, Richard A., Miller, Bukosky, and Lindgren. 2,898,685.  
Miller, Robert E., and G. E. Bennett; said Bennett assor. to Monsanto Chemical Co. New polyhydroxy alcohols and polyesters and novel process of preparing such compounds. 2,875,241, 2-24-59, Cl. 260—488.  
Miller, Robert H., to International Harvester Co. Reversible disk plow. 2,916,097, 12-8-59, Cl. 172—212.  
Miller, Robert H., and G. G. Ward, to International Harvester Co. Reversible disk plow. 2,916,096, 12-8-59, Cl. 172—212.  
Miller, Robert M., J. R. Lodge, and M. C. Merwin, to Minnesota Mining and Mfg. Co. Roofing granules and method for making. 2,898,232, 8-4-59, Cl. 117—100.  
Miller, Robert O., and J. M. O'Toole, to United States of America, Air Force. Thrust bearing system. 2,875,001, 2-24-59, Cl. 308—35.  
Miller, Roy W., and A. W. Grant, to United States Rubber Co. Tire mold or the like. 2,896,261, 7-28-59, Cl. 22—203.  
Miller, Rudolph W., and R. J. Harkenrider, to Miller Lubricator Co. Journal box packing. 2,910,331, 10-27-59, Cl. 308—243.  
Miller, Russell L., to Bill Jack Scientific Instrument Co. Aviator's helmet. 2,867,813, 1-13-59, Cl. 2—6.  
Miller, Russell L., to Bill Jack Scientific Instrument Co. Process for molding two-layer polyurethane articles. 2,908,943, 10-20-59, Cl. 18—59.  
Miller, Solomon L.: See—  
Ebers, Jewell J., and Miller. 2,915,647.  
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Branching filter. 2,879,484, 3-24-59, Cl. 333—9.  
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Non-reciprocal wave transmission. 2,884,604, 4-28-59, Cl. 333—24.  
Miller, Theodore: See—  
Kruher, Andrew P., and Miller. 2,875,375.  
Miller, Theodore, to Westinghouse Electric Corp. Color television picture tube and associated circuit. 2,879,325, 3-24-59, Cl. 178—54.  
Miller, Theodore, to Consolidated Electrodynamics Corp. Speed control. 2,867,436, 1-6-59, Cl. 271—26.  
Miller, Vance V. Portable electric hand drill. 2,911,841, 11-10-59, Cl. 74—342.  
Miller, Verle A.: See—  
Miller, Alfred L., and V. A. 2,880,189.  
Miller, Verle A., and R. O. Becker, to International Latex Corp. Emulsion polymerization with polybasic acid soap. 2,876,203, 3-3-59, Cl. 260—237.  
Miller, Verner M. Connecting clip. 2,867,302, 1-6-59, Cl. 180—35.  
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Boho, Mildred E., and Miller. 2,887,789.  
Miller, Walter C.: See—  
Howard, Eugene L. 2,894,784.  
Miller, Walter E., to Clayton Mfg. Co. Conducting diaphragms. 2,903,406, 9-8-59, Cl. 204—296.  
Miller, Walter H., and F. Bower. Lockable electric plug. 2,885,650, 5-5-59, Cl. 339—91.  
Miller, Wendell S. Means and techniques for determining quality of milk. 2,898,549, 8-4-59, Cl. 324—30.  
Miller, Wendell S. Filters with automatic fulcrum shift. 2,906,155, 9-29-59, Cl. 81—343.  
Miller, Wilbur A., and E. B. Glenger, Jr., to International Latex Corp. Forms for manufacture of deposited latex articles. 2,867,847, 1-13-59, Cl. 18—41.  
Miller, William, to United States of America, Navy. Method of reducing transient reverse current. 2,868,988, 1-13-59, Cl. 250—49.5.  
Miller, William R., to Radio Corp. of America. Device and method for film editing. 2,905,048, 9-22-59, Cl. 88—16.  
Miller, William E.: See—  
Noddings, Charles R., Miller, and Engelder. 2,905,608.  
Miller, William G., to Massey-Ferguson Inc. Baler feed mechanism. 2,885,953, 5-12-59, Cl. 100—142.  
Miller, William G., and L. M. Krause, to Massey-Ferguson Inc. Automatic coupling for power shafts on coupled vehicles. 2,869,660, 1-20-59, Cl. 180—14.  
Miller, William H.: See—  
Horton, Richard C., Miller, and Lydie. 2,867,891.  
Miller, William H., to Cloverleaf-Freeland Corp. Head and cap for bobbins or spools and method of securing same in place. 2,890,521, 6-16-59, Cl. 29—522.  
Miller, William H., to Cloverleaf-Freeland Corp. Bobbin and spindle construction. 2,890,566, 6-16-59, Cl. 57—129.  
Miller, William H., and M. R. Alexander, deceased (by J. E. Alexander, now J. Boretta, administratrix), to Owens-Corning Fiberglass Corp. Method for producing filamentary material. 2,910,383, 10-27-59, Cl. 117—102.  
Miller, William J.: See—  
Sieber, Charles B. 2,882,805.  
Miller, William L., to Continental Can Co., Inc. Bottom seam squeezer for paper cups. 2,911,890, 11-10-59, Cl. 93—53.1.  
Miller, William O. Educational device with multi-shaped blocks. 2,911,740, 11-10-59, Cl. 35—22.  
Miller, William P. Doctor blade and control means therefor. 2,915,421, 12-1-59, Cl. 134—6.  
Miller, William R.: See—  
Moulton, Joseph D., and Miller. 2,871,281.  
Miller, William S., to Denoyer-Geppert Co. Bracket means for displaying globes, maps, and the like from wall rails. 2,867,918, 1-13-59, Cl. 35—40.  
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Klecker, Joseph G., Miller, Steving, and Rediger. 2,869,382.  
Millers Falls Co.: See—  
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Millership, Ronald, to Elliott Brothers (London) Ltd. Electronic devices. 2,895,075, 7-14-59, Cl. 315—39.  
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Millerwise, Carl H., to American Radiator & Standard Sanitary Corp. Switch actuating device. 2,911,509, 11-3-59, Cl. 200—172.  
Millett, Ira. Footpower vise. 2,892,369, 6-30-59, Cl. 81—17.  
Millett, Andrew F.: See—  
Masl, Frank J., and Millett. 2,904,689.  
Millett, Raymond C., and J. C. H. Blinney. Retractable roller device. 2,908,031, 10-13-59, Cl. 16—34.  
Millgate, Irvine H. Visual instruction aids. 2,867,045, 1-6-59, Cl. 35—60.  
Millidge, Alfred F., and I. K. M. Robson, to The Distillers Co. Ltd. Process for resisting corrosion by aliphatic acids. 2,907,609, 10-4-59, Cl. 102—59.  
Milligan, Gaymond E., to Lionel Corp. Toy saw mill. 2,914,885, 12-1-59, Cl. 46—39.  
Milligan, James W., and S. S. Green, to Duncan Electric Co., Inc. Magnetic suspensions. 2,869,934, 1-20-59, Cl. 308—10.  
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Millikan, Allen F., and G. W. Crosby, to The Pure Oil Co. Lubricating oil composition. 2,916,455, 12-8-59, Cl. 252—46.4.  
Milliken, Alvin R., and M. S. Hook, to Electrical Utilities Co. Weatherproof resistor. 2,870,307, 1-20-59, Cl. 201—68.  
Milliken, Frank H., to The Bowerston Shale Co. Spring clip for perforated pipes and the combination. 2,898,741, 8-11-59, Cl. 61—11.  
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Milliken, Spencer R., to Aluminum Co. of America. Process of treating magnesium-bearing aluminum base alloys with boron trifluoride. 2,885,315, 5-5-59, Cl. 148—13.1.  
Milliken, Spencer R., to Aluminum Co. of America. Method for degassing aluminum articles by means of a vaporized fluoride. 2,885,316, 5-5-59, Cl. 148—13.1.  
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Hohemann, Heinz, Milliken, and Stevenson. 2,900,429.  
Mills, George A., Milliken, and Stevenson. 2,914,459.  
Milliken, Thomas H., Jr., to Houdry Process Corp. Transportation of fluent solid particles. 2,878,076, 3-17-59, Cl. 302—53.  
Milliken, Thomas H., Jr., to Houdry Process Corp. Removing contaminants from catalyst particles. 2,892,771, 6-30-59, Cl. 208—149.  
Millington, Brian W., to Ricardo & Co. Engineers (1927) Ltd. Internal combustion engines of the compression ignition type. 2,911,959, 11-10-59, Cl. 123—32.  
Millipore Filter Corp.: See—  
Poltras, Edward J. 2,879,207.  
Milliron, James P. Fish catching device. 2,915,846, 12-8-59, Cl. 43—42.04.  
Mills, Edwin G., to Texas Instruments Inc. Electronically controlled bonding machine. 2,899,539, 8-11-59, Cl. 219—110.  
Mills, Walter T., to General Electric Co. Electronic tube structure. 2,878,410, 3-17-59, Cl. 313—346.  
Mills, Walter T., to General Electric Co. Electron discharge device cathode. 2,887,607, 5-19-59, Cl. 313—261.  
Mills, Walter T., to General Electric Co. Low microphonics tube structures. 2,910,609, 10-27-59, Cl. 313—261.  
Milli-Switch Corp.: See—  
Allen, Alan A. 2,875,306.  
Millman, Max, to Ortho Pharmaceutical Corp. Therapeutically active compositions containing amphetamines. 2,881,113, 4-7-59, Cl. 167—35.

- Millman, Nathan, and J. B. Whitley, to J. M. Huber Corp. Apparatus and method for treatment of clay. 2,907,666, 10-6-59, Cl. 106—72.  
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Baker, Forrest G., and Millman. 2,909,043.  
Millner, Tivadar, and E. Theisz, to Egyesült Izzólámpa és Villamosági Részvénytársaság. Gas-filled electric incandescent lamp. 2,882,435, 4-14-59, Cl. 313—222.  
Mills, Terence W., to Rotax Ltd. Electrically operated jack-like actuators. 2,891,413, 6-23-59, Cl. 74—424.8.  
Milloy, Ian M., to Radio Corp. of America. Apparatus for conveying articles in close spaced relationship. 2,889,917, 6-9-59, Cl. 148—179.  
Mills, Burton L., to Clark Equipment Co. Carrier dumping device. 2,880,196, 5-12-59, Cl. 214—318.  
Mills, Edgar E. Aligning jig for shingles. 2,887,781, 5-26-59, Cl. 33—188.  
Mills, Edwin R., to Fieldcrest Mills, Inc. Electric blanket control. 2,903,548, 9-8-59, Cl. 219—20.  
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Mills, George A., to Houdry Process Corp. Hydrogenative conversion of hydrocarbons. 2,902,436, 9-1-59, Cl. 208—146.  
Mills, George A., T. H. Milliken, Jr., and D. H. Stevenson, to Houdry Process Corp. Cracking of residual oils containing asphaltic and metallic contaminants. 2,914,439, 11-24-59, Cl. 208—92.  
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Haxo, Henry E., Jr., and Mills. 2,890,183.  
Mills, George S., and H. E. Haxo, Jr., to United States Rubber Co. Composition comprising a rubber, lignin and polyisocyanate and method of preparing same. 2,906,718, 9-29-59, Cl. 260—17.5.  
Mills, Gordon F., and H. B. Whetsel. Separating metallic cations with perfluorocarboxylic acids. 2,874,176, 2-17-59, Cl. 260—429.1.  
Mills, Gordon S., to Monsanto Chemicals Ltd. Process for vulcanizing rubber in the presence of the cyclohexylamine salt of mercaptobenzothiazole. 2,883,442, 4-21-59, Cl. 260—788.  
Mills, Herbert E., to Mills Products, Inc. Window unit. 2,880,475, 4-7-59, Cl. 20—56.5.  
Mills, Herbert E. Line-attaching clip for a fishing float. 2,880,547, 4-7-59, Cl. 43—44.87.  
Mills, Herbert E. Fishing float. 2,911,754, 11-10-59, Cl. 43—43.11.  
Mills, Ivor W., to Sun Oil Co. Suppression of fuel icing. 2,906,613, 9-29-59, Cl. 52—5.  
Mills, Ivor W., and P. B. Murray, to Sun Oil Co. Refining mineral oil. 2,915,460, 12-1-59, Cl. 208—189.  
Mills, Jack, to Eli Lilly and Co. 1-pyrrolidino-4-(1-methyl piperidyl-2)-butanes and salts thereof. 2,903,459, 9-8-59, Cl. 260—293.  
Mills, Jack, to Eli Lilly and Co. Substituted benzodioxanes and their preparation. 2,906,757, 9-29-59, Cl. 260—340.3.  
Mills, John E., to The Gas Council. Removing hydrogen sulphide from gases. 2,868,617, 1-13-59, Cl. 23—2.  
Mills, John K., to Bell Telephone Laboratories, Inc. Oscillation generator. 2,870,332, 1-20-59, Cl. 250—36.  
Mills, Malcolm E., and C. C. Faroni, to Elastic Stop Nut Corp. of America. Fastening device with means for sealing against both a threaded companion fastener and a work surface. 2,872,961, 2-10-59, Cl. 151—7.  
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Mills, Ralph H., to American Cord & Webbing Co. Protector guard. 2,874,589, 2-24-59, Cl. 74—608.  
Mills, Ronald G.: See—  
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Mills, Stephen D., to A. O. Smith Corp. Cam-actuated coil inserter. 2,873,514, 2-17-59, Cl. 29—205.  
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Holman, George W., and Mills. 2,886,578.  
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Mills, Wade H. Adjustable gauge for dressing saw chain depth gauges. 2,898,689, 8-11-59, Cl. 33—202.  
Mills, William A., to The Buckeye Steel Castings Co. Railway journal box lid lug wear plate assemblies. 2,869,938, 1-20-59, Cl. 308—47.  
Mills, William C., to Olin Mathieson Chemical Corp. Ethylene carbonate. 2,907,771, 10-6-59, Cl. 260—340.2.  
Millsaps, William A., and J. L. Stauby, to Pennsalt Chemicals Corp. Sour-blue formulation. 2,893,818, 7-7-59, Cl. 8—77.  
Millstine, Gilbert J., to H. H. Robertson Co. Wall panel. 2,910,151, 10-27-59, Cl. 189—34.  
Milly, Lucien C. E. Adjustable backrest mechanism. 2,912,045, 11-10-59, Cl. 155—160.  
Milne, David T., to American Viscose Corp. Coagulation of cellulosic colloids. 2,902,334, 9-1-59, Cl. 18—54.  
Milne, Ivan H.: See—  
Earley, James W., and Milne. 2,911,285.  
Milne, James M., to General Electric Co. Method of constructing a tank for electric apparatus. 2,873,519, 2-17-59, Cl. 29—463.  
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Milner, William P., to American Mfg. Co. Bottle rack. 2,914,186, 11-24-59, Cl. 211—74.  
Milner, William P., to American Mfg. Co. Mobile knock-down display rack. 2,918,295, 12-22-59, Cl. 280—36.  
Milnes, Aubrey H., to The Steel Improvement & Forge Co. Protection of titanium. 2,909,715, 8-25-59, Cl. 29—528.  
Milnes, Kenneth B. Carpet seaming tape. 2,890,145, 6-9-59, Cl. 154—49.  
Milnes, Robert A., to R. E. Messmer, R. Cross, and R. A. Milnes. Fuel tank filling alarm and method of installing it. 2,905,137, 9-22-59, Cl. 116—112.  
Milo, Joseph V. Coupling inserting apparatus. 2,916,812, 12-15-59, Cl. 29—237.  
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Belek, Emil, Miloche, and Reimels. 2,872,624.  
Miloche, Herman A., to Bell Telephone Laboratories, Inc. Switching system network. 2,901,547, 8-25-59, Cl. 179—27.54.  
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Milstein, Herman, to Dumont Milling Industries, Division of Dumont Aviation Associates. Tool carriage feeding and locking mechanism. 2,905,060, 9-22-59, Cl. 90—11.  
Milstein, Morris J. Adjustable headwear. 2,869,134, 1-20-59, Cl. 2—172.  
Milton, Charles J. Disposable syringe. 2,917,047, 12-15-59, Cl. 128—227.  
Milton, Kirby M., to Eastman Kodak Co. Plasticization of gelatin. 2,904,434, 9-15-59, Cl. 96—94.  
Milton, Leslie M. Coin-free vending apparatus. 2,872,010, 2-3-59, Cl. 194—79.  
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Mazeka, Albert. 2,886,807.  
Milton, Robert M., to Union Carbide Corp. Molecular sieve adsorbents. 2,882,243, 4-14-59, Cl. 252—455.  
Milton, Robert M., to Union Carbide Corp. Molecular sieve adsorbents. 2,882,244, 4-14-59, Cl. 252—455.  
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Hartmann, Gilbert L. 2,884,863.  
Milwaukee Motive Mfg. Co.: See—  
Drar, Robert L. 2,907,146.  
Milz, Wendell C., and W. M. McClintock, to Aluminum Co. of America. Reclamation of aluminum fabricating lubricants. 2,902,430, 9-1-59, Cl. 208—183.  
Mims, Bruce L., to The Barden Corp. Direct reading torque tester. 2,867,113, 1-6-59, Cl. 73—9.  
Mims, Bruce L., to The Barden Corp. Torque meter for testing bearings. 2,867,114, 1-6-59, Cl. 73—9.  
Minard, Everett S., to Chemetron Corp. Container filling machine. 2,896,676, 7-28-59, Cl. 141—146.  
Minard, William F., to Weltronic Co. Control system. 2,878,365, 3-17-59, Cl. 219—114.  
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Minder, Peter M., to McGraw-Edison Co. Arrangement for varying kilovolt output of capacitor bank in steps. 2,869,070, 1-13-59, Cl. 323—122.  
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Fowler, Frank E., and Minder. 2,906,577.  
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- Mindrum, Kenneth H., to Clark Equipment Co. Lift truck. 2,904,203, 9-15-59, Cl. 214-731.
- Mindt, Frederick E., and W. J. Schmidt, to Westinghouse Electric Corp. Compensating unit for watt-hour meters. 2,900,603, 8-18-59, Cl. 324-138.
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- Hornickel, Robert R. 2,883,671.
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- Mineah, Lawrence E., to Coast Pro-Seal & Mfg. Co. Device for mixing viscous materials. 2,880,455, 4-7-59, Cl. 18-2.
- Mineck, Fred. Front end suspension for motor vehicles. 2,895,741, 7-21-59, Cl. 280-96.3.
- Mineck, Fred, to F.M. Research Corp. Ball joint preloading device. 2,911,244, 11-3-59, Cl. 287-87.
- Miner, Charles H., to The Miner Pulley and Transmission Co. V-belt power transmission. 2,905,005, 9-22-59, Cl. 74-230.17.
- Miner, Charles, Jr., and I. Kinsey, to Basic Structural Plastics, Inc. Loading brace. 2,912,939, 11-17-59, Cl. 105-369.
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- Yowell, Joseph W., and Miner. Re. 2,471,0.
- Miner, Frederic L., to Welsh Mfg. Co. Detachable strap connection to a respirator. 2,915,060, 12-1-59, Cl. 128-146.
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- Miner, Richard F. Adjustable motor supporting stand. 2,913,241, 11-17-59, Cl. 269-185.
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- Bestler, Gerald M., and Miner. 2,900,287.
- Miner, W. H., Inc.: See—
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- Goodwin, Manfred E., Sawyer, and Smith. 2,894,848.
- Haden, Walter L., Jr., and Martin. 2,885,360.
- Powell, Manly J., and Cecil. 2,898,304.
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- Mingori, René P. Tube bending machine having reciprocating and pivoted benders. 2,880,779, 4-7-59, Cl. 153-33.
- Minich, Russell H. Apparatus for packaging cigarettes. 2,887,836, 5-26-59, Cl. 53-133.
- Minick, Joe P. Filling jig for saw blades. 2,885,911, 5-12-59, Cl. 76-31.
- Minick, James E.: See—
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- Mining Engineering Co. Ltd., The: See—
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- Duncan, Angus W. 2,872,147.
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- Minkema, William H., to Corn Products Refining Co. Preparation of starch esters. 2,868,780, 1-13-59, Cl. 260-233.5.
- Minkler, Marcus W., T. W. Findley, and R. S. Gelster, to Swift & Co. Method of preserving food products. 2,890,119, 6-9-59, Cl. 99-150.
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- Currie, Courtland B., and Loveland. 2,868,457.
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- Devaud, Albert J. 2,885,229.
- Deziel, Fred T. 2,910,438.
- Di Vette, Randolph E. 2,885,026.
- Donald, Philip J. 2,891,226.
- Dow, Donald F. 2,871,930.
- Du Bois, Robert C. 2,868,018.
- Dudley, John W. 2,881,408.
- Dudley, John W., and Malm. 2,890,437.
- Eckhardt, Homer D. 2,872,134.
- Ehret, Robert J. 2,875,284.
- Ehret, Robert J. 2,883,614.
- Ehret, Robert J. 2,886,754.
- Ehret, Robert J. 2,889,460.
- Ehret, Robert J. 2,889,517.
- Ehret, Robert J., and Cilyo. 2,887,642.
- Ehret, Robert J., and Patchell. 2,886,755.
- Eller, Harold E. 2,884,939.
- Flagg, Raymond P. 2,871,311.
- Foret, Pierre G., and Wilkins. 2,875,874.
- Forté, Donald J., and Wolfe. 2,899,655.
- Frykman, Oscar G. 2,881,868.
- Gaddis, Gene T. 2,868,461.
- Gaddis, Gene T. 2,898,047.

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- Gille, Willis H. 2,890,334.
- Gille, Willis H. 2,896,204.
- Gilliam, George E. 2,903,679.
- Gimson, Alvin E. 2,879,781.
- Gimson, Alvin E. 2,906,837.
- Grogan, Edward C. 2,888,941.
- Grogan, Edward C. 2,914,077.
- Grogan, Edward C., and Pessen. 2,878,825.
- Harrison, Thomas R. 2,915,079.
- Hartz, Harry J. 2,896,655.
- Hawkins, Royal R. 2,891,174.
- Heartz, Robert A. 2,870,416.
- Helland, Carl A. 2,902,331.
- Helland, Carl A., and McCammon. 2,908,866.
- Hicks, Walter J. 2,899,606.
- Hildenbrandt, August J., Jr. 2,877,783.
- Hildenbrandt, August J., Jr. 2,877,799.
- Horne, James K. 2,890,015.
- Jensen, James L. Re. 2,4671.
- Jensen, James L. 2,881,332.
- Jensen, James L. 2,898,476.
- Jensen, James L. 2,906,896.
- Jensen, James L. 2,917,714.
- Johanson, Roy K. 2,873,917.
- Johnson, Kenneth R. 2,892,154.
- Jordan, Arthur H. 2,888,940.
- Joyner, Powell A. 2,881,056.
- Koch, Alfred R. 2,882,456.
- Kompellen, Arlon D., and Pinckaers. 2,888,627.
- Kutler, Robert J. 2,881,990.
- La Hue, Philip M., and Lewis. 2,887,636.
- Larsen, Roy L. 2,885,612.
- Leyenberger, John. 2,912,287.
- Lindemann, Arthur W. 2,873,757.
- Long, William J. 2,908,496.
- Loveland, Roger S., and Wolfe. 2,889,990.
- Markusen, David L. 2,877,967.
- Maupin, Joseph T. 2,915,602.
- Maupin, Joseph T., and Zelinka. 2,889,417.
- Maynard, John A., and Rote. 2,874,350.
- Maynard, John A., and Wasserman. 2,908,168.
- McCammon, Robert F. 2,906,862.
- Mobarry, John W. 2,898,746.
- Mooers, Alden J., and Vogel. 2,873,075.
- Mooers, Howard T. 2,886,622.
- Moore, Warren, Jr. 2,868,458.
- Moore, Warren, Jr. 2,889,490.
- Moore, Warren, Jr. 2,907,931.
- Morton, John W. 2,884,504.
- Mott, Richard C. 2,885,178.
- Myck, Edward A., Jr. 2,885,187.
- Myck, Edward A., Jr., and Osen. 2,902,220.
- Myer, Jay L. 2,909,919.
- Nebel, Paul W. 2,896,183.
- Newbold, William F. 2,882,727.
- Newbold, William F. 2,883,621.
- Newbold, William F. 2,915,628.
- Nickells, Stanley W. 2,900,163.
- Nossen, Edward J. 2,874,906.
- Ochs, Robert E., Jr. 2,882,916.
- Ochs, Robert E., Jr. 2,915,078.
- Ochs, Robert E., Jr., and Watrous. 2,874,713.
- Oliari, Louis G. 2,919,433.
- Parnell, John. 2,880,394.
- Patchell, Thomas A. 2,907,932.
- Patchell, Thomas A. 2,908,862.
- Patureau, Arthur M. 2,874,574.
- Pinckaers, Balthasar H. Re. 2,4678.
- Pinckaers, Balthasar H. 2,872,593.
- Pinckaers, Balthasar H. 2,875,392.
- Pinckaers, Balthasar H. 2,879,456.
- Pinckaers, Balthasar H. 2,911,545.
- Pischke, Alvin W. 2,907,225.
- Popowsky, William J. 2,915,689.
- Pullen, Orrin V. 2,916,541.
- Raymond, Hugh A. 2,900,822.
- Reach, Roy W., Jr. 2,917,727.
- Reilly, Ira G. 2,915,356.
- Ritter, Alden J., and Scott. 2,884,767.
- Rock, Kingsley C. 2,877,385.
- Rock, Kingsley C., Jr. 2,919,404.
- Rote, William A. 2,882,352.
- Ruhman, Smil. 2,905,932.
- Rusler, George W. 2,892,739.
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- Schneider, Ralph J. 2,895,032.
- Schuck, Oscar H. 2,867,285.
- Schulze, George R. 2,870,434.
- Sheldon, Donald F. 2,898,486.
- Sikorra, Daniel J. 2,874,236.
- Sikorra, Daniel J. 2,890,428.
- Skovholt, Joseph W., and Vogel. 2,876,409.
- Soland, Hubert E. 2,894,395.
- Sorensen, Harold P. 2,916,922.
- Stevenson, Alden. 2,887,415.
- Storm, John F., and Williamson. 2,896,454.
- Stucka, Edward P. 2,898,048.
- Talbot, Warren. 2,894,390.
- Wagner, Robert J. 2,867,757.
- Wagner, Robert J. 2,897,678.
- Wagner, Robert J. 2,906,822.
- Wagner, Thomas C. G. 2,870,411.
- Wakeley, William M. 2,894,113.
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- Wannamaker, William H., Jr. 2,894,207.
- Watrous, Robert B. 2,907,338.
- Watrous, Robert B. 2,911,992.
- Werr, John F., and Wolfgram. 2,877,835.
- White, Kenneth H. 2,900,823.
- Whitehead, Robert C., Jr. 2,873,755.
- Whitehead, Robert C., Jr. 2,906,095.
- Willis, Walter P. 2,903,678.
- Wilson, Theodore J. 2,889,710.
- Wolfgram, Rodger C. 2,877,836.
- Zelinka, Richard J. 2,896,151.
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- Andersen, Hans J., and Swenson. 2,874,972.
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- Minema, Johannes: See—
- Klaren, Cornelis, and Minema. 2,888,952.
- Minnehan, Milton J., and A. S. Westneat, Jr., to The Martin Co. Synchronization system. 2,869,121, 1-13-59, Cl. 343-103.
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- Ahlbrecht, Arthur H., and Morin. 2,915,554.
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- Barnhart, William S. 2,888,382.
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- Barnhart, William S. 2,915,483.
- Barnhart, William S., Travis, and Leder. 2,909,503.
- Barnhart, William S., and Wade. 2,874,143.
- Barnhart, William S., and Wade. 2,874,198.
- Barnhart, William S., and Wade. 2,884,390.
- Barnhart, William S., and Wade. 2,904,567.
- Barnhart, William S., and Wade. 2,915,552.
- Barnhart, William S., and Zollinger. 2,914,500.
- Bauer, William H., Jr. 2,888,364.
- Blaess, A. Albert. 2,895,270.
- Bollmeier, Emil W. 2,877,288.
- Bollmeier, Emil W. 2,890,266.
- Bollmeier, Emil W. 2,908,744.
- Bolstad, Archibald N. 2,904,409.
- Bolstad, Archibald N., and Herbst. 2,874,152.
- Bolstad, Archibald N., and Honn. 2,911,396.
- Bolstad, Archibald N., and Hoyt. 2,892,524.
- Bolstad, Archibald N., and Hoyt. 2,915,508.
- Bond, Herbert M., and Groff. 2,882,183.
- Buttington, Malcolm R. 2,878,196.
- Carlson, Norman G. 2,912,373.
- Crawford, George H., Jr., and Lo. 2,909,509.
- Dahlquist, Carl A., Ahlbrecht, and Dixon. 2,876,894.
- Duncan, Richard F. 2,872,086.
- Errede, Louis A., Landrum, and Davis. 2,914,511.
- Fitz Harris, Leo J. 2,867,241.
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- Fritts, Robert W. 2,906,801.
- Fritts, Robert W. 2,915,724.
- Fritts, Robert W., and Karrer. 2,892,879.
- Fritts, Robert W., and Karrer. 2,896,005.
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- Green, Irving. 2,876,206.
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- Hebert, Walter W., Jr. 2,916,078.
- Herbst, Ralph L., Jr., and Landrum. 2,888,446.
- Herr, Robert, and Beck. 2,898,229.
- Holman, Reynold E., and Smith. 2,890,241.
- Honn, Francis J. 2,904,528.
- Honn, Francis J. 2,906,730.
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- Honn, Francis J., and Hoyt. 2,915,506.
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- Hoyt, John M. 2,915,510.
- Humphner, Ferdinand W. 2,895,865.
- Jewell, Joseph W. 2,877,275.
- Johnson, Wayne. 2,867,685.
- Johnson, Wayne R. 2,892,886.
- Johnson, Wayne R. 2,909,597.
- Johnson, Wayne R. 2,913,520.
- Johnson, Wayne R. 2,919,313.
- Kalleberg, Melvin O. 2,889,038.
- Karrer, Sebastian. 2,910,836.
- Kuhrmeyer, Carl A., Kimble, and Miller. 2,919,349.
- Kuhrmeyer, Carl A., Owen, and Favorite. 2,891,165.
- Landrum, Billy F., and Herbst. 2,867,601.
- Landrum, Billy F., and Herbst. 2,867,608.
- Landrum, Billy F., Kahrs, Kuhn, and Schaff. 2,909,571.
- Larson, Richard L. 2,873,967.
- Lo, Elizabeth S. 2,893,983.
- Lo, Elizabeth S. 2,914,514.
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- Mittag, Fritz, to International Standard Electric Corp. Circuit arrangements for originating electric currents or potentials for signal or control purposes. 2,906,942, 9-29-59, Cl. 323-76.
- Mittag, Fritz H., to International Standard Electric Corp. Arrangement for the destination-marking of dispatch container in transportation system. 2,877,718, 3-17-59, Cl. 104-88.
- Mittag, Fritz H., to International Standard Electric Corp. Arrangement to produce electrical signals through affecting a magnetic circuit. 2,901,076, 8-25-59, Cl. 317-150.
- Mittanck, Leon R. Cattle deboning implement. 2,916,823, 12-15-59, Cl. 30-241.
- Mittell, Frank C., N. Chase, G. J. Matey, L. Pollock, R. J. Dawson, and J. L. Bower, to North American Aviation, Inc. Prosthetic apparatus. 2,902,696, 9-8-59, Cl. 3-1.1.
- Mittelman, Edward R., to Westinghouse Electric Corp. Cavity resonator structure. 2,913,685, 11-17-59, Cl. 333-83.
- Mittelmann, Eugene, to Scanoptic, Inc. Reluctance level gauge. 2,912,767, 11-17-59, Cl. 33-206.5.
- Mittelstaedt, Georg S. Radiographs in contrasting color. 2,906,881, 9-29-59, Cl. 250-65.
- Mitten, Frank P. Shipping and storage container. 2,904,382, 9-15-59, Cl. 312-261.
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- Mittleman, Myron B., to Schenley Industries, Inc. Dispenser for small objects. 2,914,165, 11-24-59, Cl. 206-42.
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- Miyata, Akira. Device for determining moisture content of various materials and substances. 2,884,593, 4-28-59, Cl. 324-61.
- Miyata, Akira, to Scientific Research Institute Ltd. Charging circuit for a condenser. 2,887,643, 5-19-59, Cl. 320-1.
- Miyazawa, Shigetada, to Osaka Machine Mfg. Co. Ltd. Device for intermittently driving a shaft. 2,870,646, 1-27-59, Cl. 74-394.
- Mize, Cecil L. Microscope. 2,870,674, 1-27-59, Cl. 88-39.
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- Mize, William E. to Institutional Industries, Inc. Folding wheel chair. 2,914,111, 11-24-59, Cl. 155-28.
- Mizell, Floyd M., and H. G. Austin, Sr. Lanolin-ammonia composition. 2,911,372, 11-3-59, Cl. 252-153.
- Mizell, Louis R., to United States of America, Army. Arctic face mask. 2,899,782, 10-27-59, Cl. 2-9.
- Mizelle, Merrimond B. Gutter cleaner. 2,910,711, 11-3-59, Cl. 15-123.
- Mizrahi, Jack, and N. Zwiebel. Holding tray for cuff links and tie bar. 2,898,137, 5-26-59, Cl. 206-75.
- Mizui, Seichiro, to Canon Camera Co., Inc. Photographic flashlight apparatus. 2,874,558, 2-24-59, Cl. 67-31.
- Mizzoni, Renat H., to Ciba Pharmaceutical Products, Inc. Thiazolines and process for manufacturing same. 2,910,478, 10-27-59, Cl. 260-293.4.
- Mizzoni, Renat H., to Ciba Pharmaceutical Products, Inc. Certain 1,3-substituted thioparabanic acids. 2,913,463, 11-17-59, Cl. 260-309.5.
- Mladek, John V. Linearly and rotatably movable receiver control mechanism. 2,916,617, 12-8-59, Cl. 250-20.
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- Moats, Robert R., J. W. Dawson, and M. C. Pease, III, to Sylvania Electric Products, Inc. Interdigital line traveling wave amplifier. 2,916,656, 12-8-59, Cl. 315-3.5.
- Mobarry, John W., to Minneapolis-Honeywell Regulator Co. Control means for refrigeration compressor. 2,898,746, 8-11-59, Cl. 62-209.
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- Mocarski, Zenon R. Liquid level signaling means. 2,884,131, 4-28-59, Cl. 210-93.
- Mocas, Verlin A., to The Richardson Co. Battery cell cover. 2,901,527, 8-25-59, Cl. 136-165.
- Mock, Frank C., to Bendix Aviation Corp. Starting fuel control for gas turbine engines. 2,880,790, 4-7-59, Cl. 158-38.4.
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- Modes, Edward E., to The Dole Valve Co. Vacuum control devices. 2,868,459, 1-13-59, Cl. 236-87.
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- Modest, Edward J., to Children's Cancer Research Foundation. Dihydrotriazines and method of manufacture. 2,900,385, 8-18-59, Cl. 260-249.9.
- Modigliani, Piero, to Johns-Manville Corp. Method and apparatus for forming condensed glass fiber mats. 2,913,037, 11-17-59, Cl. 154-1.75.
- Modin, John. Hydraulic transmissions. 2,903,853, 9-15-59, Cl. 60-53.
- Modine, Arthur B., to Modine Mfg. Co. Combination air conditioner-convactor. 2,901,226, 8-25-59, Cl. 257-300.
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- Modi, Emma M., to Union Carbide Corp. Cermets with high impact strength. 2,909,834, 10-27-59, Cl. 29-182.5.
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- Modrey, Henry J., to Interlock Corp. Self-locking connector. 2,882,579, 4-21-59, Cl. 24-211.
- Modrey, Henry J. Key file device. 2,889,050, 6-2-59, Cl. 211-4.
- Modrey, Henry J. Explosive terminal and method of firing. 2,909,758, 10-20-59, Cl. 339-220.
- Modrey, Henry J. Electric connector for connecting two conductors through a wall. 2,919,421, 12-29-59, Cl. 339-59.
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- Moe, William W., to Time, Inc. Circuit for producing a localized non-linearity in a generally linear voltage transfer characteristic. 2,873,362, 2-10-59, Cl. 250-27.
- Moebius, Howard E. Collapsible display sign. 2,882,629, 4-21-59, Cl. 40-124.1.
- Moehl, Reno W., to Universal Oil Products Co. Preparation of solid catalyst composites. 2,903,433, 9-8-59, Cl. 252-433.
- Moehlenpach, Walter G., to Ar-Ka Engineering, Inc. Shading coil. 2,886,722, 5-12-59, Cl. 310-172.
- Moehler, Otto J., to Westinghouse Electric Corp. Filament mounting device. 2,877,806, 3-17-59, Cl. 140-71.6.
- Moehring, William D., to Allen Electric & Equipment Co. Combined tachometer and cam angle indicating circuit. 2,908,859, 10-13-59, Cl. 324-16.
- Moehrie, Eduard, deceased (by Elise Moehrie, executrix), A. Marx, and H. G. Franck, to Gesellschaft Fuer Teerverwertung m.H., Duisburg-Meiderich. Process of producing anthracene and carbazole. 2,885,406, 5-5-59, Cl. 260-318.
- Moehrie, Elise: See—  
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- Moell, Hans, and O. Schlichting, to Badische Anilin- & Soda-Fabrik Akt. Production of cycloheptene-(1)-carboxylic acid-(1). Its alkali metal salts and its esters. 2,878,257, 3-17-59, Cl. 260-468.
- Moeller, Axel, to Moeller Mfg. Co., Inc. Combination sewer plug stopper and standpipe. 2,891,575, 6-23-59, Cl. 137-593.
- Moeller, Douglas E., to Motorola, Inc. Signal level control circuit. 2,902,548, 9-1-59, Cl. 179-171.
- Moeller, Kurt G. Means for reducing gear noise. 2,867,130, 1-6-59, Cl. 74-413.
- Moeller, Kurt G. E. Flexible shaft coupling. 2,889,695, 6-9-59, Cl. 64-1.
- Moeller, Lawrence D. Positive stop cylinder. 2,891,514, 6-23-59, Cl. 121-40.
- Moeller, Lowell J., to Western Electric Co., Inc. Apparatus for dispensing a metered amount of a fluid material. 2,884,165, 4-28-59, Cl. 222-212.
- Moeller, Lowell J., to Western Electric Co., Inc. Terminal strip assembly and method of making it. 2,885,651, 5-5-59, Cl. 339-198.
- Moeller, Lowell J., to Western Electric Co., Inc. Apparatus for stripping molds. 2,903,738, 9-15-59, Cl. 18-2.
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- Moeller & Neumann G.m.b.H.: See—  
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- Moeller, William C., to Parmelee Plastics Co. Goggle assembly. 2,877,462, 3-17-59, Cl. 2-14.
- Moeltzner, Ernst F. W., to Landis Machine Co. Rolling machines and control means therefor. 2,873,634, 2-17-59, Cl. 80-6.
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- Moeltzner, Ernst F. W., to Landis Machine Co. Apparatus for feeding and rolling workpieces. 2,909,952, 10-27-59, Cl. 80-6.
- Moen, Alfred M. Valve construction. 2,888,041, 5-26-59, Cl. 137-636.2.
- Moen, Alfred M. Mixing valve construction. 2,890,719, 6-16-59, Cl. 137-636.2.
- Moen, Alfred M. Valve structure with two part housing. 2,890,720, 6-16-59, Cl. 137-636.2.
- Moen, Rolf, to General Mills, Inc. Apparatus for measuring flow rate. 2,913,901, 11-24-59, Cl. 73-218.
- Moen, Walter B.: See—  
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- Moesta, Hanso. Ionization manometer. 2,870,358, 1-20-59, Cl. 313-7.
- Moffett, Robert B.: See—  
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- Moffett, Robert B., to The Upjohn Co. 2-spiro-substituted pyrrolidines. 2,911,409, 11-3-59, Cl. 260-313.
- Moffett, Robert B., to The Upjohn Co. Allyloxy benzonitriles. 2,912,453, 11-10-59, Cl. 260-465.
- Moffett, Robert B., and H. V. Anderson, to The Upjohn Co. 17a-acetoxy pregnane and pregnene compounds. 2,880,214, 3-31-59, Cl. 260-397.4.
- Moffitt, William R., and M. B. Berkey, to The Borden Co. Gum accrolides adhesive composition. 2,884,335, 4-28-59, Cl. 106-208.
- Mog, Henry V.: See—  
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- Mogensen, Allan O.: See—  
Kocay, Witold R., and Mogensen. 2,885,878.
- Moghadam, Leon M., now by change of name to L. Markoff-Moghadam. Fastening device. 2,894,304, 7-14-59, Cl. 24-113.
- Mogk, August: See—  
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Seidl, Herbert, and Mogk. 2,869,518.
- Mogren, Eben F. Ice fishing tip-up. 2,908,100, 10-13-59, Cl. 43-17.
- Mohasco Industries, Inc.: See—  
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Karpoff, David. 2,899,985.  
Kelly, Walter J. 2,892,331.  
Pospiszel, Joseph T. 2,892,269.
- Rice, Walter A. 2,896,670.
- Mohaupt, Henry H. Muzzle sealing apparatus. 2,906,175, 9-29-59, Cl. 89-1.
- Mohaupt, Henry H. Penetrating and fracturing tool. 2,913,959, 11-24-59, Cl. 89-1.
- Mohay Chemical Co.: See—  
Reuter, Franz G. 2,902,072.
- Mohler, Klement: See—  
Vogel, Raimund, and Mohler. 2,875,061.
- Mohler, Robert D.: See—  
Kelley, Walter A., and Mohler. 2,910,688.
- Mohler, Robert D., to Motorola, Inc. Transistor oscillator with harmonically tuned output circuit. 2,915,708, 12-1-59, Cl. 331-76.
- Mohn, Elmer J.: See—  
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- Mohn, Heinrich: See—  
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- Mohn, Heinrich, to W. C. Heraeus G.m.b.H. Heat radiation devices. 2,894,166, 7-7-59, Cl. 313-221.
- Mohn, Loren E., to E. J. Mohn. Fish hook release unit. 2,871,612, 2-3-59, Cl. 43-44.83.
- Mohnkern, Gerald E.: See—  
Current, Farmer L., and Mohnkern. 2,880,109.
- Mohr, George D.: See—  
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- Mohr, George D., to Clear Fir Products Co., Inc. Glue spreader. 2,879,741, 3-31-59, Cl. 118-246.
- Mohr, Harry F.: See—  
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- Mohr, Harry F., to Radio Corp. of America. Radiotelephone switching circuit with receiver squelch control. 2,868,964, 1-13-59, Cl. 250-13.
- Mohr, John G. Glass fiber reinforced spring. 2,913,240, 11-17-59, Cl. 267-1.
- Mohr, Reinhard: See—  
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- Mohr, Robert A., and E. L. Capener, to General Mills, Inc. Phenol-aldehyde resins esterified with fatty acids. 2,878,199, 3-17-59, Cl. 260-19.
- Mohr, Rudolf: See—  
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- Mohrman, Harry L., to Chelsea Products, Inc. Ventilator devices. 2,912,916, 11-17-59, Cl. 98-43.
- Molignet, Jacques: See—  
Soulay, Pierre, and Molignet. 2,889,480.
- Molliet, John L.: See—  
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- Moir, James L. Reflecting flare. 2,914,659, 11-24-59, Cl. 240-37.1.
- Moir, Vincent J., to The International Vibration Co. Tamping construction machine. 2,893,299, 7-7-59, Cl. 94-48.
- Mojonnier, Albert B., to Kartridg-Pak Machine Co. Method of filling volatile propellant on warm product. 2,888,789, 6-2-59, Cl. 53-25.
- Moklebust, Olav, to National Lead Co. Method for desulphurizing iron. 2,912,319, 11-10-59, Cl. 75-33.
- Mol, Evert A. J., to E. I. du Pont de Nemours and Co. Screw for handling thermoplastic resins. 2,896,253, 7-28-59, Cl. 18-12.
- Molalla Mfg. Co.: See—  
Anstin, Eldon G. 2,898,960.
- Moldofsky, Matthew, C. W. Musser, and A. M. Stott, to United States of America, Army. Subcaliber training cartridge. 2,902,933, 9-8-59, Cl. 102-41.
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- Moler, Charles C., to Overhead Door Corp. Door lock. 2,887,865, 5-26-59, Cl. 70-149.



- Moles, Oliver W., L. W. Gendvil, and H. R. Palmer, to National Lead Co. Apparatus for producing refractory metal. 2,904,491, 9-15-59, Cl. 204-246.
- Mollinaro, Edward T. Station sampling radio. 2,906,875, 9-29-59, Cl. 250-40.
- Mollinaro, Gregory R., to United States Steel Corp. Method of centering blast furnace bell. 2,885,773, 5-12-59, Cl. 29-107.
- Mollins, Desmond W., to Mollins Machine Co., Ltd. Manufacture of composite mouthpieces for cigarettes. 2,902,807, 9-8-59, Cl. 53-177.
- Mollins, Desmond W., and G. F. W. Powell, to Mollins Machine Co., Ltd. Machines for manipulating cut tobacco. 2,909,180, 10-20-59, Cl. 131-21.
- Mollins, Desmond W., and N. W. Jackson, to Mollins Machine Co., Ltd. Manufacture of mouthpiece cigarettes. 2,912,987, 11-17-59, Cl. 131-94.
- Mollins, Jack J., to Microcell Ltd. Chairs. 2,891,602, 6-23-59, Cl. 155-160.
- Mollins Machine Co., Ltd.: See—  
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Hall, Charles T. 2,867,065.  
Harvey, Valentine P., and Parry. 2,887,011.  
Jackson, Donald R. P. 2,917,887.  
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Mollins, Desmond W. 2,902,807.  
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Mollins, Desmond W., and Powell. 2,909,180.  
Powell, Gordon F. W. 2,881,275.  
Powell, Gordon F. W., and Crosland. 2,896,636.
- Molla, Edward W., to Bendix Aviation Corp. System for integral instrument lighting. 2,916,011, 12-8-59, Cl. 116-129.
- Mollitor, Zeno F. Hot and cold air baseboard register. 2,868,103, 1-13-59, Cl. 98-40.
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- Moll, John L., to Bell Telephone Laboratories, Inc. Transistor test set. 2,900,582, 8-18-59, Cl. 317-158.
- Molla, Charles P.: See—  
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- Molla, Charles P., to Body supporting unit for furniture. 2,878,861, 3-24-59, Cl. 155-187.
- Molla, Charles P., and C. Trolano, to Molla Inc. Coupling devices for straps or webbings. 2,896,696, 7-28-59, Cl. 155-187.
- Molla, Charles P., and C. Trolano, to Molla Inc. Strap or webbing with coupling ends. 2,903,048, 9-8-59, Cl. 155-187.
- Molla Inc.: See—  
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- Mollen, John C., and D. J. Wright, to General Laboratory Associates, Inc. Analogue computer. 2,911,557, 11-3-59, Cl. 315-8.5.
- Mollenberg, Leroy, to General Electric Co. Two speed induction type motor. 2,896,144, 7-21-59, Cl. 318-224.
- Moller, Aage, to Aktieselskabet Niro Atomizer. Lubrication arrangement. 2,912,065, 11-10-59, Cl. 184-13.
- Moller, Aage. Sterilizable centrifugal atomizer for spray driers. 2,912,172, 11-10-59, Cl. 239-224.
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- Möller, Friedrich: See—  
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- Moller, Goran A., to American Mollering Corp. Method and means of coating metals. 2,918,388, 12-22-59, Cl. 117-51.
- Moller, J. D., Optische Werke G.m.b.H.: See—  
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- Möller, Rolf, and H. Zschau, to Firma Fernseh G.m.b.H. Film transporting apparatus. 2,916,285, 12-8-59, Cl. 271-2.3.
- Möllerling, Karl F., and H. Tietze, to O. H. Dräger. Face mask. 2,888,920, 6-2-59, Cl. 128-141.
- Mollet, Samuel J., III, to The Massillon-Cleveland-Akron Sign Co. Banner mounting construction. 2,893,147, 7-7-59, Cl. 40-125.
- Mollfors, Hans G., to Ingenjorsfirman Magnet Ab. Arrangement for automatic and continuous measuring of the noise factor of an electric device. 2,901,696, 8-23-59, Cl. 324-57.
- Mollohan, Eugene W. Rotary type lawn edger. 2,907,163, 10-6-59, Cl. 56-25.4.
- Molloy, Everett W., to Beckman Instruments, Inc. Switching mechanisms for flame photometers and the like. 2,885,926, 5-12-59, Cl. 88-23.
- Molnar, Imre, to General Telephone Laboratories, Inc. Call distribution for toll telephone switchboards. 2,881,261, 4-7-59, Cl. 179-27.
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- Molon Motors and Coil Corp.: See—  
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- Moloney Electric Co.: See—  
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Duenke, Clarence G., and Muschong. 2,906,976.  
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Harke, LeRoy J. 2,911,603.
- Moloney, John J.: See—  
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- Moloney, Raymond T.: See—  
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Brunicardi, Daniel. 2,896,045.  
Glepen, Hubert M. 2,895,653.  
Hooker, Donald E. 2,882,056.  
Hooker, Donald E. 2,882,057.  
Nicolaus, Frank G. 2,895,340.  
Swenson, Thure R. 2,908,180.
- Molotsky, Hyman M., to Velsicol Chemical Corp. 1,2,3,4,7-pentachlorobicyclo-[2,2,1]-2,5-heptadiene ethers. 2,897,240, 7-28-59, Cl. 260-611.
- Molotsky, Hyman M., and E. G. Ballweber, to Velsicol Chemical Corp. 1,2,3,4,5,5-hexachloro-4-hydroxymethylcyclopent-2-one carboxylic acid derivatives. 2,871,255, 1-27-59, Cl. 260-468.
- Molotsky, Hyman M., and S. B. Richter, to Velsicol Chemical Corp. Hexachlorobicyclo-diaminophenyl ethers. 2,901,509, 8-25-59, Cl. 260-571.
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- Molstad, Melvin C.: See—  
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- Molstedt, Byron V.: See—  
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Borey, Daniel S., Jahnlitz, and Molstedt. 2,889,265.  
Whiteley, Robert S., and Molstedt. 2,881,133.
- Molt, Richard P., to Standard Railway Equipment Mfg. Co. Railway car door post. 2,884,874, 5-5-59, Cl. 105-409.
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- Molyneux, John, to The English Electric Co. Ltd. Lead-screw locking devices. 2,915,913, 12-8-59, Cl. 74-424.8.
- Momberg, Vernon B. Subtracting circuit. 2,900,501, 8-18-59, Cl. 250-27.
- Monack, Albert J., to Mycalex Electronics Corp. of America. Method of making an electrode structure. 2,903,826, 9-15-59, Cl. 49-81.
- Monaco, Anthony L.: See—  
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- Monaco, Anthony T., to Motorola, Inc. Stand for television receiver. 2,893,674, 7-7-59, Cl. 248-183.
- Monaghan, Alfred C.: See—  
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- Monaghan, J. J., Co., Inc.: See—  
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- Monaghan, Ralph, to Well Surveys, Inc. Differential conductivity pipe testing. 2,892,977, 6-30-59, Cl. 324-37.
- Monagle, John J.: See—  
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- Monahan, Frederick A., to General Dynamics Corp. Method and apparatus for chemically boring metallic material. 2,867,929, 1-13-59, Cl. 41-9.
- Monahan, Jack J.: See—  
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- Monarch Aluminum Mfg. Co.: See—  
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- Monarch Cement Co., The: See—  
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- Monarch Controller Co. Ltd.: See—  
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- Monarch Engineering Corp.: See—  
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- Monarch Machine Tool Co., The: See—  
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Nichols, Charles E., and Burdge. 2,878,704.  
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- Monarch Metal Weatherstrip Corp.: See—  
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- Monch, Jacob: See—  
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- Monckton, Kendall C. F. Locking adjustable handle for hand tools. 2,890,613, 6-16-59, Cl. 81-177.8.
- Moncrieff, Alexander D. F., to Michigan Tool Co. Hobbing machine. 2,888,858, 6-2-59, Cl. 90-4.
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- Mondl, Don P. Protective hood for room air conditioners. 2,901,989, 9-1-59, Cl. 108-3.
- Mondria, Hendrik: See—  
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Doorn, Johannes, Mondria, de Rijk, and Hendal. 2,915,449.
- Mondria, Hendrik, and W. H. Logman, to Shell Development Co. Removing soot from an aqueous slurry by means of an oil-in-water emulsion. 2,903,423, 9-8-59, Cl. 210-21.

- Moneagle, Otto F.: See—  
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- Monelli, Lorenzo. High-efficiency pump, more particularly for remote hydraulic power transmissions. 2,905,098, 9-22-59, Cl. 103-157.
- Monett, Edward. Apparatus for molding rubber products. 2,880,460, 4-7-59, Cl. 18-30.
- Monetta, John P. Hinged face guards. 2,892,195, 6-30-59, Cl. 2-9.
- Money, Reynard H. Portable barbecue cooker. 2,867,165, 1-4-59, Cl. 99-423.
- Money-maker, Bruce M. Tapping tool with drive release means. 2,881,454, 4-14-59, Cl. 10-129.
- Money-maker, Elton G.: See—  
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- Monfere, Gervaise E., to United States of America, Interior. Standardizing strain gage. 2,889,528, 6-2-59, Cl. 338-6.
- Monforts, A.: See—  
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- Monforts, Casper: See—  
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- Monforts, Joseph: See—  
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- Monfré, Louis V.: See—  
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- Mongello, Thomas. Photoelectric straining target. 2,878,589, 3-24-59, Cl. 35-25.
- Mongello, Angelo A. Cheese ball weighing and shaping machine. 2,893,121, 7-7-59, Cl. 31-46.
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- Monin, Claude, to Compagnie Industrielle des Telephones. Magnetic amplifier. 2,915,645, 12-1-59, Cl. 307-88.
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- Monk, S. A., (Sutton in Ashfield) Ltd.: See—  
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- Monney, Louis: See—  
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- Monogram Precision Industries, Inc.: See—  
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Winkler, Richard H. 2,872,650.  
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- Monohan, William J.: See—  
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- Monolith Portland Midwest Co.: See—  
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- Monroe, Alfred J.: See—  
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- Monroe Auto Equipment Co.: See—  
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Gang, Herman. 2,910,230.  
Gernert, Lawrence H., and Raddin. 2,880,280.  
Gibbon, John. 2,890,335.  
Goffe, Edwin H., and Rowley. 2,884,190.
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Jensen, Alan K. 2,870,347.  
Parker, Charles A. 2,881,272.  
Parker, Charles A. 2,916,129.  
Scully, John F. 2,898,408.  
Sepahban, Amir H. 2,884,620.  
Sparks, Thomas. 2,902,135.  
Wagemann, Heinrich. 2,917,232.  
Wales, Nathaniel B., Jr. 2,888,528.  
Wales, Nathaniel B., Jr. 2,911,605.  
Wilson, Verne H. 2,872,114.
- Monroe, Co., The: See—  
Kline, Herbert S., Sr. 2,877,075.
- Monroe, Erma N.: See—  
Monroe, Wilfred E., and Cooper. 2,918,862.
- Monroe, Everett A., and P. R. Widolf. Diving mask. 2,910,063, 10-27-59, Cl. 128-144.
- Monroe, Robert H., M. K. Culbreth, and C. P. Molla, to Molla Inc. Knockdown chair. 2,882,958, 4-21-59, Cl. 155-194.
- Monroe, Roger F.: See—  
Stacy, Charles L., Jr., and Monroe. 2,891,036.
- Monroe, Roger F., and D. E. Hupp, to The Dow Chemical Co. Stabilization of chlorinated hydrocarbon solvents with azines. 2,906,753, 9-29-59, Cl. 260-652.5.
- Monroe, Wilfred, deceased (E. N. Monroe, administratrix), and W. F. Cooper, to International Paper Co. Press unloading apparatus. 2,918,832, 12-29-59, Cl. 100-198.
- Monroe, William J., to Pittsburgh Plate Glass Co. Cleaning spray nozzles. 2,899,929, 8-18-59, Cl. 118-302.
- Monsanto Canada Ltd.: See—  
McKay, Arthur F., and Garmale. 2,886,584.  
Whittingham, David J., and McKay. 2,881,169.
- Monsanto Chemical Co.: See—  
Abramo, John G., and Reinhard. 2,903,489.  
Allen, Lyman S. 2,870,035.  
Andersen, John W. 2,879,085.  
Applegath, Fred, and Franz. 2,874,149.  
Applegath, Fred, and Franz. 2,877,268.  
Applegath, Fred, and Franz. 2,915,525.  
Aykanian, Ardabus A., and Carlson. 2,905,972.  
Baer, Massimo. 2,912,413.  
Baker, Joseph W., and Godfrey. 2,887,432.  
Baker, Joseph W., and Godfrey. 2,889,330.  
Baker, Joseph W., and Saul. 2,900,296.  
Baker, Joseph W., and Saul. 2,906,661.  
Barkhuff, Raymond A., Jr., and Platzer. 2,911,382.  
Barkley, Lloyd B. 2,889,320.  
Barnes, Marlon D., and Lea. 2,887,945.  
Barnes, Marlon D., and Lea. 2,887,946.  
Barrett, Gerald R. 2,904,541.  
Basdekis, Costas H. 2,891,931.  
Beaver, David J., Hamm, and Stoffel. 2,867,520.  
Beaver, David J., and Stoffel. 2,870,205.  
Beaver, David J., and Stoffel. 2,885,403.  
Beaver, David J., and Stoffel. 2,894,986.  
Beaver, David J., and Stoffel. 2,897,242.  
Beaver, David J., Stoffel, and Hamm. 2,913,322.  
Beaver, David J., and Zerbe. 2,912,463.  
Beaver, David J., and Zerbe. 2,919,294.  
Bennett, George E., and Cameron. 2,889,356.  
Bennett, George E., and Lee. 2,887,371.  
Birum, Gail H. 2,875,228.  
Birum, Gail H. 2,879,285.  
Birum, Gail H. 2,909,457.  
Birum, Gail H. 2,909,544.  
Birum, Gail H. 2,913,368.  
Birum, Gail H., and Heiningen. 2,893,910.  
Blake, Edward S., and Hammann. 2,889,354.  
Blanchette, Joseph A. 2,915,511.  
Blanchette, Joseph A. 2,915,512.  
Blanchette, Joseph A. 2,916,463.  
Bond, Jean B. 2,878,278.  
Bonzaghi, Francis A., Cohen, and Markhart. 2,917,427.  
Brooks, Richard F. 2,889,360.  
Brooks, Richard F. 2,889,361.  
Bruner, Harold E. 2,909,546.  
Burland, Peter D., and Roth. 2,868,837.  
Burland, Peter D., and Roth. 2,911,365.  
Burlinson, James C. 2,894,916.  
Calfee, John D., and Erbauch. 2,887,445.  
Cameron, Margaret D. 2,913,323.  
Campbell, Charles H., and Chadwick. 2,877,260.  
Campbell, John R., Eaker, and Kimball. 2,891,090.  
Chapin, Earl C., and Longley. 2,889,311.  
Chapin, Earl C., and Longley. 2,893,979.  
Chapin, Earl C., and Longley. 2,905,656.  
Chapin, Earl C., and Murphy. 2,916,392.  
Chapin, Earl C., and Paradis. 2,902,464.  
Chapin, Earl C., and Smith. 2,894,938.  
Chapin, Earl C., and Smith. 2,897,174.  
Chapin, Earl C., and Smith. 2,899,404.  
Chapin, Earl C., and Smith. 2,900,359.  
Contois, Leo L., Jr. 2,914,510.  
Cooper, Robert H., and Godfrey. 2,918,512.  
Cooper, Robert H., and Godfrey. 2,918,513.  
D'Amico, John J. 2,871,239.  
D'Amico, John J. 2,875,208.  
D'Amico, John J. 2,885,405.  
D'Amico, John J. 2,906,754.  
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- Darby, Joseph R. 2,885,378.  
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 Davenport, Charles H., and Helberg. 2,882,147.  
 Davis, Walter M., and Fisher. 2,893,836.  
 Dazzi, Joachim. 2,867,598.  
 Dazzi, Joachim. 2,867,648.  
 Dazzi, Joachim. 2,870,111.  
 Dazzi, Joachim. 2,870,189.  
 Dazzi, Joachim. 2,875,218.  
 Dazzi, Joachim. 2,883,367.  
 Dazzi, Joachim. 2,883,419.  
 Dazzi, Joachim. 2,887,507.  
 Dazzi, Joachim. 2,889,300.  
 Dazzi, Joachim. 2,889,301.  
 Dazzi, Joachim. 2,889,302.  
 Dazzi, Joachim. 2,889,338.  
 Dazzi, Joachim. 2,891,053.  
 Dazzi, Joachim. 2,893,967.  
 Dazzi, Joachim. 2,897,169.  
 Dazzi, Joachim. 2,897,230.  
 Dazzi, Joachim. 2,900,500.  
 Dazzi, Joachim. 2,909,536.  
 Dazzi, Joachim. 2,913,431.  
 Dazzi, Joachim. 2,913,482.  
 Dazzi, Joachim. 2,913,499.  
 Dede, Joseph B., Jr. 2,890,148.  
 Deebel, George F., and Hamm. 2,879,150.  
 Denkowski, George S. 2,915,514.  
 Doerr, Edward L. 2,909,554.  
 Doerr, Edward L., and Gaertner. 2,892,861.  
 Doerr, Edward L., and Weesner. 2,904,585.  
 Downey, Paul M. 2,884,405.  
 Eaker, Charles M., and Campbell. 2,887,513.  
 Eby, Roy T., and Fox. 2,879,310.  
 Edwards, James W. 2,916,354.  
 Erickson, Floyd B., Helmsch, Wildt, and Patrick. 2,867,666.  
 Ernest, Frederick C., and Raffelson. 2,917,513.  
 Fantl, Joel, Lection, and Rider. 2,890,948.  
 Faust, Harry W. 2,916,451.  
 Fields, Joseph E. 2,909,489.  
 Franz, Raymond A. 2,868,328.  
 Fraser, George L., and Elmer. 2,916,410.  
 Gaertner, Van R. 2,875,125.  
 Gaertner, Van R. 2,883,321.  
 Gaertner, Van R. 2,883,417.  
 Gaertner, Van R. 2,897,223.  
 Gaertner, Van R. 2,904,582.  
 Gaertner, Van R. 2,904,583.  
 Gaertner, Van R. 2,909,460.  
 Gaertner, Van R. 2,914,547.  
 Gaertner, Van R., and Birum. 2,879,283.  
 Gaertner, Van R., and Doerr. 2,868,781.  
 Gaertner, Van R., and Richardson. 2,904,538.  
 Gaertner, Van R., and Richardson. 2,913,370.  
 Gaertner, Van R., and Sharp. 2,875,124.  
 Garlette, William A., Jr., and Godfrey. 2,868,841.  
 Garner, Albert Y. 2,916,510.  
 Gash, Virgil W., and Wildt. 2,883,404.  
 Gluesenkamp, Earl W. 2,883,356.  
 Gluesenkamp, Earl W., and Kosmin. 2,910,426.  
 Godfrey, Kenneth L. 2,912,451.  
 Godfrey, Kenneth L., and Saul. 2,908,604.  
 Godt, Henry C., Jr. 2,881,215.  
 Graham, Paul R. 2,881,147.  
 Graham, Paul R. 2,894,923.  
 Hahn, Frank J. 2,889,236.  
 Hamm, Philip C. 2,893,856.  
 Hardy, Edgar E. 2,883,357.  
 Harman, Marlon W. 2,905,586.  
 Harman, Marlon W., and D'Amico. 2,876,243.  
 Harman, Marlon W., and D'Amico. 2,900,299.  
 Harman, Marlon W., and D'Amico. 2,912,357.  
 Harman, Marlon W., and D'Amico. 2,919,182.  
 Harman, Marlon W., and Kilbourne. 2,882,291.  
 Harman, Marlon W., and Kilbourne. 2,895,980.  
 Harris, Darrel M. 2,867,540.  
 Haynes, Richard D. 2,868,654.  
 Healy, John J., Jr. 2,885,308.  
 Hedrick, Ross M., and Mowry. 2,911,366.  
 Heininger, Samuel A. 2,870,153.  
 Heininger, Samuel A. 2,870,236.  
 Heininger, Samuel A. 2,900,345.  
 Heininger, Samuel A. 2,909,556.  
 Heininger, Samuel A. 2,913,470.  
 Heininger, Samuel A., and Birum. 2,870,209.  
 Heininger, Samuel A., and Birum. 2,875,250.  
 Heininger, Samuel A., and Birum. 2,883,317.  
 Heininger, Samuel A., and Birum. 2,913,476.  
 Heininger, Samuel A., and Birum. 2,913,480.  
 Heininger, Samuel A., and Birum. 2,919,224.  
 Heininger, Samuel A., and Birum. 2,919,225.  
 Heininger, Samuel A., and Kosmin. 2,870,195.  
 Heininger, Samuel A., and Rincwald. 2,900,409.  
 Hill, Rutherford B., and Merrifield. 2,906,731.  
 Holberg, Arnold J., and Cowager. 2,890,967.  
 Howard, Robert E., and Miller. 2,919,282.  
 Hughes, Lawrence J., and Weaver. 2,907,799.  
 Jaworski, Ernest G., and Gaertner. 2,900,298.  
 Jaworski, Ernest G., and Sharp. 2,870,056.  
 Johns, Iral B. 2,893,935.  
 Johnson, John H. 2,913,437.  
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 Johnson, William K., and Wygant. 2,904,587.  
 Knowles, William S., and Dazzi. 2,885,377.  
 Kosmin, Milton. 2,873,182.  
 Kosmin, Milton. 2,873,122.  
 Kosmin, Milton. 2,879,200.  
 Kosmin, Milton. 2,897,235.  
 Kosmin, Milton. 2,913,324.  
 Kosmin, Milton, and Fields. 2,883,287.  
 Kosmin, Milton, and Gaertner. 2,879,199.  
 Leach, Harry S., and Eldred. 2,868,849.  
 Lense, Frederick T. 2,912,810.  
 Lewis, Norman J. 2,900,243.  
 Lloyd, Arthur J., and Preston. 2,897,111.  
 Longley, Raymond L., Jr. 2,916,521.  
 Lyons, John W. 2,898,706.  
 Lyons, John W. 2,899,329.  
 Lyons, John W. 2,899,330.  
 Magner, John M. 2,901,393.  
 Martin, Richard H., Jr. 2,898,244.  
 Martin, Richard H., Jr. 2,917,494.  
 Maurice, Phillip. 2,906,664.  
 Maxim, Myles S. 2,907,632.  
 McManis, Robert J. 2,893,961.  
 McManis, Robert J. 2,894,020.  
 McManis, Robert J. 2,909,560.  
 Merrifield, Dudley B. 2,901,459.  
 Metcalf, Joe S. 2,904,513.  
 Miller, Robert E., and Bennett. 2,875,241.  
 Nickerson, Ralph F. 2,870,108.  
 Nickerson, Ralph F. 2,870,109.  
 Nickolls, Kenneth R. 2,893,877.  
 Nielsen, Morris L. 2,904,397.  
 Ott, John B. 2,916,477.  
 Patrick, Tracy M., Jr. 2,889,313.  
 Phillips, Alan R. 2,915,832.  
 Popielski, Daniel A. 2,893,975.  
 Popielski, Daniel A. 2,893,976.  
 Popielski, Daniel A. 2,910,450.  
 Prill, Erhard J. 2,879,296.  
 Prill, Erhard J. 2,880,365.  
 Prill, Erhard J. 2,894,043.  
 Prill, Erhard J. 2,894,044.  
 Prill, Erhard J. 2,904,558.  
 Prill, Erhard J., and Kosmin. 2,879,297.  
 Radue, Robert W. 2,918,491.  
 Reetz, Theodor. 2,909,558.  
 Reinhard, Raymond H. 2,891,037.  
 Rollingson, William R. 2,894,815.  
 Roth, Murray H. 2,910,446.  
 Roth, Murray H. 2,911,381.  
 Rotzler, Ross W., Hickman, and Collier. 2,868,327.  
 Sakornbut, Songe S. 2,893,881.  
 Sakornbut, Songe S. 2,904,466.  
 Sarabia, Oscar A. 2,915,138-42.  
 Sargent, Nell A., and Davis. 2,868,280.  
 Saul, George A. 2,892,751.  
 Scott, Milton J. 2,908,603.  
 Scott, Milton J. 2,909,447.  
 Seaton, William H. 2,904,421.  
 Selfter, Eli, and Richardson. 2,870,064.  
 Sharp, Dexter R., and Wildt. 2,883,427.  
 Shaver, Kenneth J. 2,900,266.  
 Shaver, Kenneth J., and Perry. 2,868,624.  
 Shumard, Roland S. 2,875,834.  
 Speziale, Angelo J. 2,909,566.  
 Stein, Alvin, and Walter. 2,886,553.  
 Stephens, John A. 2,909,553.  
 Stone, Bobbie D. 2,900,295.  
 Stone, Bobbie D., and Nielsen. 2,893,835.  
 Stone, Bobbie D., and Nielsen. 2,900,358.  
 Stone, Bobbie D., Sifter, and Santmyer. 2,912,793.  
 Telcher, Harry. 2,879,169.  
 Thomas, Fritts W. 2,901,400.  
 Tomlin, Andrew, Harman, Zerbe, and Sibley. 2,892,805.  
 Tucker, William F. 2,907,635.  
 Tung, Ching C. 2,897,177.  
 Van Asselt, Robert L., and Gerdes. 2,870,046.  
 Waychoff, Walter F. 2,882,256.  
 Weaver, Leo J., and Eccles. 2,880,235.  
 Weeks, Lloyd E. 2,892,694.  
 Weeks, Lloyd E. 2,913,417.  
 Weesner, William E. 2,909,543.  
 Wesp, George L. 2,870,123.  
 Wesp, George L. 2,884,401.  
 Wiedow, James C. 2,893,913.  
 Wiegand, Herbert F. 2,912,469.  
 Wildt, Bernard S. 2,883,424.  
 Wildt, Bernard S. 2,897,202.  
 Wildt, Bernard W. 2,875,197.  
 Williams, Byron L., Jr., and Culbertson. 2,914,508.  
 Williams, Byron L., Jr., and Culbertson. 2,916,467.  
 Williams, Forrest V. 2,904,606.  
 Wilson, Albert R. 2,881,143.  
 Wygant, James C. 2,875,123.  
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- Hamer, William E., and Phillips. 2,890,240.  
 Mills, Gordon S. 2,883,442.  
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 Montagna, Carlo, to Dalmine S. p. A. Rotary hearth furnace provided with a removable sector for hearth maintenance. 2,867,428, 1-6-59, Cl. 263-7.  
 Montague, Hill, III: See—  
 Page, Irving H., and Montague. 2,872,581.  
 Montan, Angelo, to Communication Measurements Laboratory. Rotary distributors. 2,879,483, 3-24-59, Cl. 333-7.  
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 Isler, Otto, Montavon, Ruegg, and Zeller. 2,867,652.  
 Isler, Otto, Montavon, Ruegg, and Zeller. 2,874,183.  
 Isler, Otto, Montavon, Ruegg, and Zeller. 2,879,303.  
 Isler, Otto, Montavon, Ruegg, and Zeller. 2,879,304.  
 Isler, Otto, Montavon, Ruegg, and Zeller. 2,886,588.  
 Isler, Otto, Montavon, Ruegg, and Zeller. 2,917,539.  
 Lindlar, Herbert, Montavon, and Ruegg. 2,870,212.  
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 Montclair Research Corp.: See—  
 Rust, John B. 2,873,265.  
 Montecatini Societa Generale per l'Industria Mineraria e Chimica: See—  
 Cantele, Carlo, and Vavassori. 2,906,556.  
 Costabellio, Dino, Porri, and Boffa. 2,885,416.  
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 Fauser, Giacomo. 2,898,183.  
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 Gera, Delfino V. 2,886,426.  
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 Natta, Giulio, Mazzanti, and Longi. 2,905,646.  
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 Tavan, Lorenzo, and Morini. 2,885,371.  
 Teja, Jayanti D. 2,864,404.  
 Teja, Jayanti D. 2,908,545.  
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 Montgomery, Archibald G.: See—  
 Hillman, Malcolm E. 2,889,502.  
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 Beuther, Harold, Horne, and Montgomery. 2,904,500.  
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 Montgomery, Charles W., to Ethyl Corp. Polyvinyl chloride and vinyl chloride-alkyl acrylate copolymer blend. 2,868,763, 1-13-59, Cl. 260-45.5.  
 Montgomery, Charles W., and W. A. Pardee, to Gulf Research & Development Co. Process for the manufacture of boron trichloride. 2,876,076, 3-3-59, Cl. 23-205.  
 Montgomery, Charles W., W. I. Gilbert, and J. G. McNulty, to Gulf Research & Development Co. Diester lubricant. 2,886,590, 5-12-59, Cl. 260-484.  
 Montgomery, Charles W., and R. C. Bryan, Jr., to Ethyl Corp. Stabilized vinyl resins containing chlorine. 2,895,941, 7-21-59, Cl. 260-45.75.  
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 Montgomery, Clement W., and T. R. Foley, to The M & F Mfg. Co. Regulating valve. 2,889,947, 6-2-59, Cl. 137-493.8.  
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 Montgomery, Donald N., and J. L. Thoss, to Consolidated Electrodynamics Corp. Galvanometer. 2,899,641, 8-11-59, Cl. 324-154.  
 Montgomery, Donald N., D. E. Lovelace, and D. H. Wilcox, II, to Consolidated Electrodynamics Corp. Galvanometers. 2,917,709, 12-15-59, Cl. 324-154.  
 Montgomery, Duncan B., and J. G. Moore, to Blaw-Knox Co. Method of drying gluten. 2,891,045, 6-16-59, Cl. 260-112.  
 Montgomery, Edmund W., II: See—  
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 Green, Joseph F. 2,918,988.  
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 Montgomery, Elmer M.: See—  
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 Montgomery, Frederick D.: See—  
 Chase, Fletcher A., Lee, and Montgomery. 2,911,302.  
 Montgomery, George F., to United States of America, Commerce. Transistor beta tester. 2,894,206, 7-7-59, Cl. 324-158.  
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 Montgomery, John R.: See—  
 Roberts, Frederick W., and Montgomery. 2,894,700.  
 Montgomery, John R. Can opener. 2,874,568, 2-24-59, Cl. 220-52.  
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 Montgomery Printing Co.: See—  
 Pluckebaum, Jerome J. 2,878,815.  
 Montgomery, Rayner A., to United States of America, Navy. Damping-in-pitch balance for wind tunnel models. 2,906,119, 9-29-59, Cl. 73-147.  
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 Montgomery, Robert S.: See—  
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 Bozer, Keith B., Montgomery, and Archer. 2,875,099.  
 Bozer, Keith B., Montgomery, and Archer. 2,875,100.  
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 Montgomery, Robert S., to The Dow Chemical Co. Corrosion inhibited fluids. 2,878,296, 3-17-59, Cl. 260-652.6.  
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 Montijo, Ralph E.: See—  
 Stearns, George W., and Montijo. 2,885,548.  
 Montine, Joseph F. Charting and teaching dance steps. 2,913,835, 11-24-59, Cl. 35-29.  
 Montone, Liber J., to Western Electric Co., Inc. Mercury relay switching system. 2,917,641, 12-15-59, Cl. 307-132.  
 Montonna, Mary L.: See—  
 Smith, Fred, Besser, and Montonna. 2,883,826.  
 Montonna, Ralph E.: See—  
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 Montooth, George A., to The Brunswick-Balke-Collender Co. Ball handling mechanism. 2,892,632, 6-30-59, Cl. 273-49.  
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 Montres Rolex S.A.: See—  
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 Montrose Chemical Co.: See—  
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- Montröss, Robert C.: See—  
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- Moo, Gotthard T., to Weskenson Corp. Overrunning clutches. 2,892,522, 6-30-59, Cl. 192-45.
- Moar, David L., to The Maytag Co. Tumbler drive. 2,902,871, 9-8-59, Cl. 74-209.
- Moody, Floyd O., and D. H. Siebenthaler, to General Motors Corp. Toggle. 2,906,132, 9-29-59, Cl. 74-100.
- Moody, Norman F., and C. D. Florida, to Her Majesty the Queen in The Right of Canada, as represented by the Minister of National Defence. Monostable two-state apparatus. 2,896,094, 7-21-59, Cl. 307-88.5.
- Moody, Steven M., to Lear, Inc. Tandem electromagnetic clutch construction. 2,903,110, 9-8-59, Cl. 192-21.5.
- Moody, Steven M., to Lear, Inc. Zero-backlash coupling for shafts or the like. 2,903,867, 9-15-59, Cl. 64-15.
- Moors, Alden J., and C. E. Vogel, to Minneapolis-Honeywell Regulator Co. Automatic hovering control system. 2,873,075, 2-10-59, Cl. 244-17.13.
- Moors, Howard T., to Minneapolis-Honeywell Regulator Co. Transistor motor control. 2,888,622, 5-26-59, Cl. 318-257.
- Moomaw, Paul C. Gun sling. 2,915,233, 12-1-59, Cl. 224-3.
- Moon, Clifford G., to Draper Corp. Loom stopping means. 2,881,807, 4-14-59, Cl. 139-336.
- Moon, James, and R. C. Crooke. Device for viewing oil well bore hole. 2,912,495, 11-10-59, Cl. 178-6.8.
- Moonan, Philip F., to James Lees and Sons Co. Improved harness cord tie-up for jacquards. 2,884,960, 5-5-59, Cl. 139-59.
- Mooney, Bernard: See—  
Hunt, John S., Long, and Mooney. 2,880,218.
- Mooney, David H., Jr.: See—  
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- Huddleston, Frank J., and Mooney. 2,873,364.
- Mooney, Edward. Hand clamp. 2,915,096, 12-1-59, Cl. 144-297.
- Mooney, James W.: See—  
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- Mooney, John D., and G. P. Torgersen, to Auto Engine Works. Reverse gear mechanisms. 2,885,909, 5-12-59, Cl. 74-780.
- Mooney, John F. Swimming aid. 2,898,611, 8-11-59, Cl. 9-21.
- Mooney, John R., to The Vendo Co. Tire truing apparatus. 2,918,116, 12-22-59, Cl. 157-13.
- Mooney, Melvin, and T. L. Ether, to United States Rubber Co. Method of molding articles. 2,880,468, 4-7-59, Cl. 18-58.3.
- Mooney, Raymond, to Quick-Set, Inc. Tripod. 2,919,093, 12-29-59, Cl. 248-168.
- Moor, Hermann: See—  
Kraul, Heinrich, and Moor. 2,874,058.
- Moore, A. E., Co., Inc.: See—  
Moore, Clark A. 2,882,045.
- Moore, Alexander, and H. A. De Wald, to Parke, Davis & Co. Norleucine derivatives and process for producing same. 2,878,245, 3-17-59, Cl. 260-239.
- Moore, Alexander M., E. F. Elslager, and F. W. Short, to Parke, Davis & Co. Benzacridine compounds. 2,915,523, 12-1-59, Cl. 260-279.
- Moore, Allan G. E.: See—  
Meredew, George C., Moore, and Smedley. 2,879,716.
- Moore, Armistead M., to Jersey Production Research Co. Magnetic erasing method. 2,895,018, 7-14-59, Cl. 179-100.2.
- Moore, Arnold: See—  
Nelson, Herbert, and Moore. 2,897,377.
- Stripp, Kenneth F., and Moore. 2,874,083.
- Moore, Ben M., and E. E. Litkenhous. Soil reclamation machine and method including washing. 2,884,742, 5-5-59, Cl. 47-58.
- Moore, Bobbie D., and P. L. Johnson, to General Motors Corp. Ice block harvester. 2,917,907, 12-22-59, Cl. 62-344.
- Moore, Buell: See—  
Calmes, Dallas L. 2,907,870.
- Moore Business Forms, Inc.: See—  
Hageman, Louis F. 2,887,206.
- Hermann, Joseph R. 2,913,981.
- Sornberger, George E., and Wakeman. 2,907,585.
- Moore, Charles H., to E. I. du Pont de Nemours and Co. Yarn guide. 2,919,080, 12-29-59, Cl. 242-157.
- Moore, Clarence C. Magnetic recorder. 2,873,318, 2-10-59, Cl. 179-100.2.
- Moore, Clarence D., to Armstrong Cork Co. Polychloroprene and butadiene-styrene copolymer adhesive composition and process of preparing same. 2,884,400, 4-28-59, Cl. 260-33.6.
- Moore, Clarence D., to Armstrong Cork Co. Method of curing polychloroprene at room temperature. 2,892,806, 6-30-59, Cl. 260-41.5.
- Moore, Clark A., to A. E. Moore Co., Inc. Control mechanism and circuit for garage doors and the like. 2,882,045, 4-14-59, Cl. 268-59.
- Moore, Clyde M. Nested shipping drums with built-in pallet. 2,872,079, 2-3-59, Cl. 222-143.
- Moore, Clyde M. Pressure sealed joint. 2,889,019, 6-2-59, Cl. 189-36.
- Moore, Clyde M., to Moorex Industries, Inc. Intersecting joint construction. 2,904,144, 9-15-59, Cl. 189-36.
- Moore, Coleman B., to Moore Products Co. Pneumatic dimension gages. 2,881,528, 4-14-59, Cl. 33-172.
- Moore, Craig M.: See—  
Rutledge, Hal M., and Moore. 2,907,928.
- Moore, Craig M., to The Superior Switchboard & Devices Co. Combination by-pass and disconnect device for ringless socket block assembly. Re. 24,705, 9-29-59, Cl. 339-19.
- Moore, Danny R.: See—  
Meadows, Charles L. 2,897,590.
- Moore, David P. Rotatable cylinder knitting machines. 2,880,600, 4-7-59, Cl. 66-9.
- Moore, David P. Cold water paints. 2,890,966, 6-16-59, Cl. 106-91.
- Moore, David P. Bottles and stoppers therefor. 2,914,207, 11-24-59, Cl. 215-47.
- Moore, David W., to Servomechanisms, Inc. Force-ratio responsive system. 2,869,367, 1-20-59, Cl. 73-182.
- Moore, David W., and W. E. Blair, to Servomechanisms, Inc. Ice detectors. 2,901,741, 8-25-59, Cl. 340-234.
- Moore, Donald F. Circuits for counting electrical pulses. 2,915,632, 12-1-59, Cl. 250-27.
- Moore, Derek: See—  
Colley, Rowan H., Basford, Moore, and Pearce. 2,916,876.
- Moore, Earl D., and R. J. Reed. Adjustable silk screen device. 2,909,116, 10-20-59, Cl. 101-126.
- Moore, Edgar S.: See—  
Zakrzewski, Andrew S., Ashby, Daskiewicz, and Moore. 2,870,805.
- Moore, Edward H., to The Gems Co. Flow indicator. 2,892,051, 6-23-59, Cl. 200-81.9.
- Moore Fabrics, Inc.: See—  
Schlappa, Antonio. 2,918,093.
- Moore, Fannon F. Formation test tool packer setting tool. 2,870,846, 1-27-59, Cl. 166-185.
- Moore, Forrest M. Tape coating apparatus. 2,876,730, 3-10-59, Cl. 118-13.
- Moore, Francis R., to General Motors Corp. Turbocharger. 2,918,207, 12-22-59, Cl. 230-116.
- Moore, Frank, to M. Turchan, d.b.a. Turchan Follower Machine Co. Automatic two dimensional follower control for machine tools. 2,891,384, 6-23-59, Cl. 60-97.
- Moore, Frank C.: See—  
Mattox, William E., and Moore. 2,881,112.
- Moore, Fred W.: See—  
Kluge, Herman D., and Moore. 2,868,823.
- Moore, Frederic H.: See—  
Beavon, David K., and Moore. 2,906,797.
- Moore, George A. Method of sealing closure to container. 2,875,563, 3-3-59, Cl. 53-39.
- Moore, George A. Portable carrier. 2,879,100, 3-24-59, Cl. 294-87.2.
- Moore, George A. Container. 2,880,924, 4-7-59, Cl. 229-37.
- Moore, George A. Method and apparatus for making container for liquid products. 2,898,822, 8-11-59, Cl. 93-51.
- Moore, George A. Container closure. 2,902,204, 9-1-59, Cl. 229-37.
- Moore, George E.: See—  
Kraus, Kurt A., and Moore. 2,872,284.
- Moore, George E., to United States of America, Atomic Energy Commission. Treatment of plutonium solution with NO or NO<sub>2</sub> prior to removal of tetravalent plutonium from said solution by carrier precipitation. 2,886,407, 5-12-59, Cl. 23-14.5.
- Moore, George E., to Blaw-Knox Co. Tube turner for plug mills. 2,892,366, 6-30-59, Cl. 80-11.
- Moore, George H. Electronic fluid treatment method and apparatus. 2,889,275, 6-2-59, Cl. 210-18.
- Moore, George R. Retaining walls. 2,880,588, 4-7-59, Cl. 61-39.
- Moore, Guy R., to Thompson Ramo Wooldridge, Inc. Tappet barrel. 2,891,525, 6-23-59, Cl. 123-90.
- Moore and Hall: See—  
Toulon, Pierre M. G. 2,911,465.
- Moore, Harold K., to Ford Motor Co. Electrical regulator device for generators. 2,912,635, 11-10-59, Cl. 322-25.
- Moore, Harry D., C. R. James, and D. R. Kibbey, to The Ohio State University. Safety drill bushing. 2,877,673, 3-17-59, Cl. 77-62.
- Moore, Harry O., to Silabert Corp. Fishing lure agitator. 2,882,638, 4-21-59, Cl. 43-26.1.
- Moore, Harry O., to Silabert Corp. Electrically operated stapler with movable anvil. 2,883,666, 4-28-59, Cl. 1-3.
- Moore, Harry O. Time delay apparatus. 2,899,518, 8-11-59, Cl. 200-84.
- Moore, Harry W. Clutch and brake mechanism. 2,891,642, 6-23-59, Cl. 192-18.
- Moore, Harry W. Rotary to oscillating drive. 2,893,250, 7-7-59, Cl. 74-29.
- Moore, Harry W. Equipulse lock for balancing machine. 2,904,362, 9-15-59, Cl. 287-99.
- Moore, Howard, to Cook Electric Co. Pulse suppressing apparatus. 2,876,859, 3-10-59, Cl. 181-48.
- Moore, Howard R. Preparation of cellular polyurethane resins. 2,889,291, 6-2-59, Cl. 260-2.5.
- Moore, Howard R., and J. R. Jenness, Jr. Surface tack and softness measuring method. 2,914,942, 12-1-59, Cl. 73-150.
- Moore, James D.: See—  
Knap, Richard P., Moore, and Parks. 2,906,500.
- Moore, James E. Automobile service tray. 2,885,250, 5-5-59, Cl. 311-21.

- Moore, James G.: See—  
Montgomery, Duncan B., and Moore. 2,891,045.
- Moore, James K., and S. Schneider, to Burroughs Corp. High frequency relay. 2,909,674, 10-20-59, Cl. 307-88.
- Moore, James K., and S. Schneider, to Burroughs Corp. Conditional steering gate for a complementing flip flop. 2,909,680, 10-20-59, Cl. 307-88.5.
- Moore, James W., to W. Murray. Vertical shelf conveyor. 2,875,014, 2-24-59, Cl. 312-268.
- Moore, Jerry W., Jr.: See—  
Elston, William A., McElwee, Moore, and Tomerlin. 2,896,332.
- Moore, Jimmy J., and J. J. Da Rold, to United States of America, Navy. Triggered transistor oscillator circuit to replace a sensitive D. C. relay. 2,877,360, 3-10-59, Cl. 307-88.5.
- Moore, Joe F., and B. W. Thomas, to Esso Research and Engineering Co. Automatic control of chilled solutions. 2,905,616, 9-22-59, Cl. 208-35.
- Moore, Joe F., and T. H. Royder, to Esso Research and Engineering Co. Dewaxing of oils by line filtration followed by rotary filtration. 2,914,456, 11-24-59, Cl. 208-38.
- Moore, John C.: See—  
Harper, Billy G., Brown, and Moore. 2,894,289.
- Moore, John G.: See—  
Brown, Keith R., Creuse, and Moore. 2,877,250.
- Moore, John H.: See—  
McAdam, Will and Moore. 2,901,563.
- Moore, John P. Washing machine. 2,875,603, 3-3-59, Cl. 68-269.
- Moore, Joseph E., to United States of America, Agriculture. Process for reacting wool with organic diisocyanates in the presence of a tertiary amine. 2,880,054, 3-31-59, Cl. 8-127.6.
- Moore, Joseph E., and H. P. Lundgren, to United States of America, Agriculture. Process for preventing yellowing of wool. 2,888,315, 5-26-59, Cl. 8-127.6.
- Moore, Joseph M. Plastic-snap holder for articles. 2,883,061, 4-21-59, Cl. 211-13.
- Moore, Laurence L., to Winslow Engineering and Mfg. Co. Filter. 2,904,186, 9-15-59, Cl. 210-437.
- Moore, Lee C., Corp.: See—  
Woolslayer, Homer J., Iddings, Jenkins, and Campbell. 2,903,102.
- Woolslayer, Homer J., Jenkins, and Iddings. 2,889,898.
- Moore, Lindsay B., to James Hunter, Inc. Dobby loop. 2,904,079, 9-15-59, Cl. 139-84.
- Moore, Louis D., Jr.: See—  
Young, De Walt S., Schulken, and Moore. 2,875,176.
- Moore, Marietta T. Machine for forming package trays. 2,867,157, 1-6-59, 95-37.
- Moore, Marjorie B.: See—  
Wright, Howard B., and Moore. 2,870,147.
- Wright, Howard B., and Moore. 2,870,149.
- Wright, Howard B., and Moore. 2,870,150.
- Wright, Howard B., and Moore. 2,870,151.
- Moore, Marlin C. Automatic chain lubricator. 2,908,355, 10-13-59, Cl. 184-15.
- Moore, Milford B.: See—  
Smith, Clarence E., Nerwin, and Moore. 2,902,913.
- Moore, Nada. Clip-on hair pin tray. 2,867,882, 1-13-59, Cl. 24-253.
- Moore, Nolan P. W.: See—  
Howland, Alfred H., Hughes, Ford, and Moore. 2,868,857.
- Moore, Norman, to S. Klein Department Stores, Inc. Display stand for wearing apparel. 2,901,307, 8-25-59, Cl. 312-140.3.
- Moore, Norman C., and J. B. Huffadine, to The Plessey Co. Ltd. Friction members having sintered compositions. 2,893,112, 7-7-59, Cl. 29-182.5.
- Moore, Pernel J., to National Lead Co. Hydrocarbon detection. 2,871,105, 1-27-59, Cl. 23-230.
- Moore, Pernel J., to National Lead Co. Well logging. 2,876,078, 3-3-59, Cl. 23-230.
- Moore, Pernel J., to National Lead Co. Hydrocarbon detection. 2,904,406, 9-15-59, Cl. 23-232.
- Moore Products Co.: See—  
Mackenzie, Elbert K. 2,915,045.
- Mamzie, Charles L. 2,872,806.
- Moore, Coleman B. 2,881,528.
- Moore, Ralph W., and C. H. Bradley, Jr., to Pangborn Corp. Rotary smoother and desmudger. 2,881,570, 4-14-59, Cl. 51-87.
- Moore, Ray R.: See—  
Hudkins, Clyde, and Moore. 2,870,506.
- Moore, Raymond E., to General Electric Co. Magnetic amplifier sensing and motor control combinations. 2,892,974, 6-30-59, Cl. 318-259.
- Moore, Raymond J., to Northrop Aircraft, Inc. Precontouring honeycomb cores before expansion of the honeycomb. 2,885,772, 5-12-59, Cl. 29-407.
- Moore, Rhea. Transmission supporting device. 2,894,707, 7-14-59, Cl. 248-323.
- Moore, Richard E.: See—  
Battenberg, Virgil, Miller, Detamore, and Moore. 2,883,178.
- Moore, Richard N., and R. V. Lawrence, to United States of America, Agriculture. Preparation of oxygenated resin acid derivatives. 2,899,463, 8-11-59, Cl. 260-514.5.
- Moore, Richard S.: See—  
McGill, Lincoln A., and Moore. 2,885,976.
- Moore, Richard S. Boat propeller. 2,875,723, 3-3-59, Cl. 115-29.
- Moore, Richard V., and G. Packman, to United States of America, Atomic Energy Commission. Nuclear reactor fuel element. 2,885,335, 5-5-59, Cl. 204-193.2.
- Moore, Robert B., Jr.: See—  
Stanley, John C., Moore, Frazier, and Williams. 2,898,930.
- Moore, Robert C., to Philco Corp. Carrier-wave modulating system. 2,886,632, 5-12-59, Cl. 178-5.4.
- Moore, Robert C., to Philco Corp. Amplitude measuring circuit. 2,896,078, 7-21-59, Cl. 250-27.
- Moore, Robert C., to Philco Corp. Horizontal deflection system for cathode ray tubes. 2,900,565, 8-18-59, Cl. 315-27.
- Moore, Robert C., to Philco Corp. Horizontal deflection system for cathode ray tubes. 2,903,621, 9-8-59, Cl. 315-27.
- Moore, Robert C., and J. B. Chatten, to Philco Corp. Color television system. 2,875,271, 2-24-59, Cl. 178-5.2.
- Moore, Robert E., and W. E. Kessel, to Amana Refrigeration, Inc. Mounting structure. 2,880,952, 4-7-59, Cl. 248-208.
- Moore, Robert J., E. E. Ryder, Jr., and R. C. Jones, to Shell Development Co. Lubricating oil compositions. 2,913,412, 11-17-59, Cl. 252-42.7.
- Moore, Robert L.: See—  
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- Briskin, Theodore S., Moore, and Rom. 2,909,098.
- Callis, Clayton F., and Moore. 2,903,332.
- Moore, Robert L., to United States of America, Atomic Energy Commission. Oxidation of transuranic elements. 2,874,025, 2-17-59, Cl. 23-14.5.
- Moore, Robert L., to United States of America, Atomic Energy Commission. Solvent composition for recovery of metal values from aqueous solutions by solvent extraction. 2,902,454, 9-1-59, Cl. 252-364.
- Moore, Robert L., and S. L. Pastor, to Rere Camera Co. Magnetic sound recorder-reproducer. 2,877,958, 3-17-59, Cl. 242-45.12.
- Moore, Robert S., to The Procter & Gamble Co. Non-volatile mercaptan and hydroxylamine impregnated end wrap and method of use. 2,869,559, 1-20-59, Cl. 132-7.
- Moore, Rollin A. Socket wrench. 2,909,090, 10-20-59, Cl. 81-90.
- Moore, Samuel, & Co.: See—  
Brumback, Robert E. 2,916,055.
- Moore, Sewall T.: See—  
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- Schuller, Walter H., Thomas, Moore, and House. 2,884,058.
- Woodberry, Norman T., Moore, and Jen. 2,890,978.
- Moore and Steele Corp.: See—  
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- Moore, Sultan J. Shoe support with resilient standards. 2,910,718, 11-3-59, Cl. 15-265.
- Moore, Sylvia M.: See—  
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- Moore, Thomas F.: See—  
Slobod, Robert L., Dunlap, and Moore. 2,918,579.
- Moore, Thomas H., to Radio Corp. of America. Magnetic systems. 2,898,579, 8-4-59, Cl. 340-174.
- Moore, Thomas J. Smoker's set. 2,894,514, 7-14-59, Cl. 131-174.
- Moore, Thomas M.: See—  
Valentine, Albert H., and Moore. 2,910,604.
- Moore, Thomas M., to Standard Oil Co. Start-up procedure for regenerative platinum catalyst hydroformers. 2,880,162, 3-31-59, Cl. 208-65.
- Moore, Thomas M., and H. I. Week, to Standard Oil Co. Start-up of regenerative platinum catalyst hydroforming systems. 2,880,161, 3-31-59, Cl. 208-65.
- Moore, Thomas R.: See—  
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- Moore, Thomas W., and W. S. Wiseman, to American Machine & Foundry Co. High speed rotor for dynamo electric machines. 2,872,605, 2-3-59, Cl. 310-183.
- Moore, Thomas W., to American Machine & Foundry Co. Starting system for dynamo electric machines. 2,883,607, 4-21-59, Cl. 322-12.
- Moore, Tilford, to Lawrence Brothers, Inc. Hinged door stop. 2,889,571, 6-9-59, Cl. 16-82.
- Moore, Vernon L., to Phillips Petroleum Co. Chemically resistant containers. 2,914,169, 11-24-59, Cl. 206-84.
- Moore, Vernon P., and J. V. Shepherd. Textile fiber sorter. 2,910,731, 11-3-59, Cl. 19-65.
- Moore, Victor C.: See—  
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- Moore, Victor C., to General Motors Corp. Twin turbine transmission with plural ratio drive gearing. 2,884,809, 5-5-59, Cl. 74-677.
- Moore, Walter E., to Swing-A-Way Mfg. Co. Ice crusher. 2,870,969, 1-27-59, Cl. 241-238.
- Moore, Walter E., to Knapp-Monarch Co. Latch construction for an automatically opening cooking appliance. 2,873,879, 2-17-59, Cl. 220-55.7.
- Moore, Walter E., to Swing-A-Way Mfg. Co. Portable ice crusher. 2,902,226, 9-1-59, Cl. 241-100.
- Moore, Warren, Jr., to Minneapolis-Honeywell Regulator Co. Electrical control apparatus. 2,868,458, 1-13-59, Cl. 236-69.



- Moore, Warren, Jr., to Minneapolis-Honeywell Regulator Co. Electrical control apparatus. 2,889,496, 6-2-59, Cl. 317-146.
- Moore, Warren, Jr., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,907,931, 10-6-59, Cl. 317-148.5.
- Moore, William A., 1/4 to K. B. Thompson and 3/4 to D. G. Angus. Stereoscopic viewing system. 2,889,739, 6-9-59, Cl. 88-16.6.
- Moore, William A., to Telecomputing Corp. Pressure loaded seal. 2,911,184, 11-3-59, Cl. 251-173.
- Moore, William A. Well swab. 2,912,291, 11-10-59, Cl. 309-33.
- Moore, William C., to Welch Allyn, Inc. Orificial instrument construction. 2,896,611, 7-28-59, Cl. 128-3.
- Moore, William F., deceased; S. M. Moore, administratrix. Portable oxygen supply. 2,877,766, 3-17-59, Cl. 128-203.
- Moore, William H., to Meehanite Metals Corp. Ferrous alloy. 2,885,284, 5-5-59, Cl. 75-124.
- Moore, William H., and W. E. Gruver, Jr., to Meehanite Metal Corp. Process for improved silicate bonded foundry molds and cores. 2,883,723, 4-28-59, Cl. 22-193.
- Moore, William P. Ladder scaffold with guard rail. 2,910,135, 10-27-59, Cl. 182-113.
- Moorefield, Herbert H., to Union Carbide Corp. Insecticidal compositions containing 1-naphthyl-N-methylcarbamate and sulfoxide as a synergist therefor. 2,904,463, 9-15-59, Cl. 167-32.
- Moorefield, Herbert H., to Union Carbide Corp. Insecticidal compositions containing 1-naphthyl-N-methylcarbamate and piperonyl butoxide as a synergist therefor. 2,904,464, 9-15-59, Cl. 167-32.
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- Moorex Industries, Inc.: See—
- Moore, Clyde M.: 2,904,144.
- Moorhead, James B.: See—
- Black, Lloyd V., and Moorhead. 2,876,592.
- Moorhead, John G.: See—
- Keehn, George R., and Moorhead. 2,881,634.
- Moorhead, John O., and R. D. Mulry, to Texas Instruments, Inc. Electrical switch structures. 2,907,851, 10-6-59, Cl. 200-138.
- Moorhead, Milton M., Jr., and H. Brier, to The Commonwealth Engineering Co. of Ohio. Device for control of locomotive slippage. 2,918,882, 12-29-59, Cl. 105-48.
- Moorhead, Paul E.: See—
- Abkowitz, Stanley, Moorhead, and Gross. 2,884,323.
- Moorhead, Seth B., Jr., to ACF Industries, Inc. Arming device. 2,915,013, 12-1-59, Cl. 102-70.2.
- Moorman, Cletus L.: See—
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- Moorman, Earl F., to International Harvester Co. Multiple contact electrical switch. 2,909,625, 10-20-59, Cl. 200-16.
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- Moormeier, Louis F.: See—
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- Moors, Hubert J.: See—
- Pries, Rinehard, and Moors. 2,917,191.
- Moos, Kaspar. Lighting fittings. 2,892,076, 6-23-59, Cl. 240-25.
- Mooschekian, Benjamin: See—
- Monoogian, Charles A.: 2,898,206.
- Mooschekian, Rueben: See—
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- Mooschekian, Samuel: See—
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- Moosmann, Alois. Pneumatic gear-shift arrangements for toothed wheel change-speed gears, especially for machine tools. 2,899,031, 8-11-59, Cl. 192-18.
- Moosmüller, Fritz: See—
- Schmidt, Erich, Moosmüller, and Schnegg. 2,906,749.
- Moote, Truman P.: See—
- Cain, Donald G., and Moote. 2,877,257.
- Mopps, William M. Shoe lace retaining clamp. 2,869,204, 1-20-59, Cl. 24-117.
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- Moran, Harold J., to Switlik Parachute Co., Inc. Inflatable life preserver. 2,886,835, 5-19-59, Cl. 9-17.
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- Moran, James: See—
- Fisher, Henry T., and Moran. 2,823,241.
- Moran, John H., Jr.: See—
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- Moran, Joseph A. Foldable hand cart. 2,891,802, 6-23-59, Cl. 280-36.
- Moran, Joseph I., and W. E. Bopp, to Portal Products Corp. Shell mold machine and method. 2,893,079, 7-7-59, Cl. 22-35.
- Morano, Angelo: See—
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- Morano, Patrick J., to Even-Pul Foundations, Inc. Girdles. 2,873,744, 2-17-59, Cl. 128-354.
- Moraski, Walter J. Model railroad track clamp. 2,915,249, 12-1-59, Cl. 238-10.
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- Stone, Irwin M., Gray, and Morawetz. 2,912,333.
- Morawitz, John H., and J. C. Burger. Rocker telephone stand. 2,882,349, 4-14-59, Cl. 179-147.
- Morawski, London T.: See—
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- More, Arthur R., to H. W. Wallace & Co. Ltd. Hardness tester. 2,914,937, 12-1-59, Cl. 73-81.
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- Morehead, Laurel A., to Chemetron Corp. Sharp angle or re-entrant corner templet device. 2,904,886, 9-22-59, Cl. 33-23.
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- Morehouse, Glenn H., to Morehouse Industries, Inc. Diffuser and paint mixer. 2,910,278, 10-27-59, Cl. 259-96.
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- Moreland, Ethelbert H. Hand control for automobile brake and accelerator pedals. 2,899,835, 8-18-59, Cl. 74-481.
- Moreland, Marjorie E., and D. H. Rehels. Bacteriostat. 2,904,462, 9-15-59, Cl. 167-14.
- Moreland, Stephen T. Method and apparatus for forming seamless capsules. 2,897,854, 8-4-59, Cl. 141-242.
- Moreland, Walter T.: See—
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- Moreland, William J., to United States of America, Air Force. Differentially controlled twin wheel landing gear. 2,911,168, 11-3-59, Cl. 244-50.
- Moreno Camba, Carlos. Locking device with sliding plug. 2,910,860, 11-3-59, Cl. 70-338.
- Moreno, Charles A., to Sperry Rand Corp. Dual lens antenna for tracking and searching. 2,885,674, 5-26-59, Cl. 343-7.4.

- Morenus, George H.: See—
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- Morenus, Gerald H.: See—
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- Moretti, Whitfield, and L. C. Pratt, to Millers Falls Co. Router depth adjustment means. 2,867,251, 1-6-59, Cl. 144-134.
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- Morey Machinery Co., Inc.: See—
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- Morfitt, John W.: See—
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- Morgan, Arthur H.: See—
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- Birdwell, Bertie F., Priest, and Morgan. 2,894,584.
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- Morgan, Carroll Z.: See—
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- Morgan, Charles A. Ever safe pin. 2,900,691, 8-25-59, Cl. 24-159.
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- Morgan, Chub. Toy horse and undercarriage. 2,883,202, 4-21-59, Cl. 280-1194.
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- Morgan Development Laboratories, Inc.: See—
- Morgan, Porter S.: 2,875,553.
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- Morgan, Forrest C., to Phillips Petroleum Co. Two zone pumping. 2,910,092, 10-27-59, Cl. 103-4.
- Morgan, Frederick F. L., to Holman Brothers Ltd. Traps for particles in an airstream. 2,878,627, 3-24-59, Cl. 51-270.
- Morgan, George C., and W. P. De Bardeleben, to Continental Gin Co. Rotating air seal. 2,888,966, 6-2-59, Cl. 144-208.
- Morgan, Jack L., to Yates-American Machine Co. Heat exchange apparatus. 2,873,098, 2-10-59, Cl. 257-236.
- Morgan, James A.: See—
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- Morgan, John M., Jr., to The Cincinnati Milling Machine Co. Tracing apparatus. 2,868,087, 1-13-59, Cl. 90-13.5.
- Morgan, John S.: See—
- Broderick, Frank W., and Morgan. 2,887,042.
- Morgan, Joseph A.: See—
- Bernard, Herbert J., and Morgan. 2,898,124.
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- Strunness, Edward G., Johnson, Morgan, and McVay. 2,918,717.
- Morgan, Lyman W.: See—
- Kleiss, Louis D., and Morgan. 2,917,437.
- Morgan, MacDonald C.: See—
- Storrs, Charles H., and Morgan. 2,906,409.
- Morgan Machine Co., Inc.: See—
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- Morgan, Mark, to International Business Machines Corp. Automatic machine tool. 2,901,927, 9-1-59, Cl. 77-4.
- Morgan, Maurice P.: See—
- Schurger, Garner H., and Morgan. 2,892,389.
- Morgan, Mervyn, J. Wild, and R. W. Duncan, to Marconi's Wireless Telegraph Co. Ltd. Radio distance measuring systems. 2,903,692, 9-8-59, Cl. 343-12.
- Morgan, Milford B., and A. W. Crumrine, to Caterpillar Tractor Co. Full flow filter with oil retaining means. 2,886,180, 5-12-59, Cl. 210-438.
- Morgan, Millett G., to United States of America, Navy. Duplexer. 2,886,812, 5-12-59, Cl. 343-17.1.
- Morgan, Myles, to Morgan Construction Co. Shear. 2,881,835, 4-14-59, Cl. 164-62.
- Morgan Packing Co., Inc.: See—
- Hill, Robert L.: 2,879,638.
- Morgan, Paul E., to United Shoe Machinery Corp. Machines for producing porous plastic blocker insoles. 2,902,081, 9-1-59, Cl. 154-1.
- Morgan, Porter S., to Morgan Development Laboratories, Inc. Color changing spinning toy. 2,875,553, 3-3-59, Cl. 46-49.
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- Morgan, Porter S., to Morgan-Whitney-Matarese Corp. Combined zoetrope and phonograph. 2,913,954, 11-24-59, Cl. 88-16.2.
- Morgan, Ralph E., to The Timken Roller Bearing Co. Apparatus for measuring lubricant or the like. 2,882,999, 4-21-59, Cl. 184-7.
- Morgan, Raymond E., and H. M. Ogle, to General Electric Co. Magnetic amplifiers with biased rectifiers. 2,897,293, 7-28-59, Cl. 179-171.
- Morgan, Rubie F. Fuel pump. 2,877,713, 3-17-59, Cl. 103-89.
- Morgan, Russell H.: See—
- Sturm, Ralph E., and Morgan. 2,899,494.
- Morgan, Russell H., System for the automatic adaptation of television camera apparatus to varying light intensity levels. 2,901,539, 8-25-59, Cl. 178-7.2.
- Morgan, Russell L., and E. R. Kolodny, to American Cyanamid Co. Hydraulic cement compositions containing acrylamide acrylic acid copolymers and method of making same. 2,868,753, 1-13-59, Cl. 260-29.6.
- Morgan, Samuel P., to Bell Telephone Laboratories, Inc. Mode conversion in wave guides. 2,904,759, 9-15-59, Cl. 333-98.
- Morgan, Thomas H. Vibrator. 2,872,902, 2-10-59, Cl. 121-17.
- Morgan, Willard L., to Libbey-Owens-Ford Glass Co. Anti-glare rear view mirror with forward view areas. 2,876,676, 3-10-59, Cl. 88-77.
- Morgan-Whitney-Matarese Corp.: See—
- Morgan, Porter S.: 2,913,954.
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- Mori, Ernest A., to Gulf Research & Development Co. Fluid proportioning apparatus. 2,873,889, 2-17-59, Cl. 222-134.
- Mori, Ernest A., to Gulf Research & Development Co. Fluid proportioning valve. 2,912,994, 11-17-59, Cl. 137-98.
- Mori, Shizuo, and S. Suzuki, to Toyo Rayon Co., Ltd. Robbin or spool. 2,875,961, 3-3-59, Cl. 242-118.32.
- Moriarty, Daniel L., Jr.: See—
- Upshaw, Vert, and Moriarty. 2,916,651.
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- Ahlbrecht, Arthur H., and Morin. 2,915,554.
- Morin, Faith C.: See—
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- Morin, Louis H. Jam-freeing slider for separable fasteners. 2,867,881, 1-13-59, Cl. 24-205.15.
- Morin, Louis H., to West Chemical Products Inc. Machine for milling slots in fanfold paper towels. 2,869,430, 1-20-59, Cl. 90-16.
- Morin, Louis H. Labeled plastic containers. 2,873,877, 2-17-59, Cl. 220-44.
- Morin, Louis H. Method of producing internally threaded members. 2,875,486, 3-3-59, Cl. 22-200.
- Morin, Louis H. Angular scoop guide sliders for separable fastener stringers. 2,875,491, 3-3-59, Cl. 24-205.15.
- Morin, Louis H. Method of and apparatus for assembling sliders with separable fastener stringers. 2,879,588, 3-31-59, Cl. 29-408.
- Morin, Louis H. Slider for separable fasteners. 2,882,576, 4-21-59, Cl. 24-205.14.
- Morin, Louis H. Jam-freeing-type slider. 2,882,578, 4-21-59, Cl. 24-205.15.
- Morin, Louis H., to Coats & Clark Inc. Machine for moulding, forming and trimming plastic products. 2,883,707, 4-28-59, Cl. 18-30.
- Morin, Louis H. Method of first casting, then cooling and then applying accops to stringer tapes. 2,885,775, 5-12-59, Cl. 29-410.
- Morin, Louis H., to Coats & Clark Inc. Plastic spool with lightened rims. 2,887,282, 5-19-59, Cl. 242-118.7.



- Morin, Louis H. Compression bottom stops for separable fastener stringers. 2,887,749, 5-26-59, Cl. 24-205.11.
- Morin, Louis H. Duplex separable fasteners for uniting multiple members. 2,889,605, 6-9-59, Cl. 24-205.
- Morin, Louis H. Universal lamp swivel connectors. 2,890,067, 6-9-59, Cl. 285-166.
- Morin, Louis H., to Coats & Clark Inc. Spool casting die and core structure. 2,890,487, 6-16-59, Cl. 18-42.
- Morin, Louis H., to Coats & Clark, Inc. Die and core structures for producing molded spool bodies. 2,890,490, 6-16-59, Cl. 18-45.
- Morin, Louis H. Button shanks. 2,896,285, 7-28-59, Cl. 24-90.
- Morin, Louis H. Automatic lock sliders. 2,900,695, 8-25-59, Cl. 24-205.14.
- Morin, Louis H. Plastic scoop with cast nubbin insert. 2,901,802, 9-1-59, Cl. 24-205.13.
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- Morin, Louis H., to Coats & Clark Inc. Snap-on rims for plastic spools. 2,902,235, 9-1-59, Cl. 242-118.61.
- Morin, Louis H., to Coats & Clark Inc. Labeled plastic spool. 2,902,783, 9-8-59, Cl. 40-10.
- Morin, Louis H. Separable fastener stringers employing separated coupled scoops. 2,907,087, 10-6-59, Cl. 24-205.13.
- Morin, Louis H. Watertight separable fasteners. 2,910,754, 11-3-59, Cl. 24-205.1.
- Morin, Louis H., to Coats & Clark Inc. Machine for casting rims on spools. 2,914,800, 12-1-59, Cl. 18-5.
- Morin, Louis H., to Coats & Clark Inc. Apparatus for producing superimposed castings between three relatively movable dies. 2,914,805, 12-1-59, Cl. 18-42.
- Morin, Richard D.: See—  
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- Morin, Wilfred F.: See—  
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- Moring, Walter G., Jr., and G. T. Gray, to Toledo Scale Corp. Permutation member tooth design. 2,895,337, 7-21-59, Cl. 74-1.
- Morini, Marcello: See—  
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- Morison, David G., to Resistance Welders Ltd. Flash-butt resistance welding machines. 2,894,114, 7-7-59, Cl. 219-101.
- Morison, Ollie L.: See—  
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- Morison, Rodney, and W. V. Roberts, to United States of America, Navy. Firing circuit. 2,906,206, 9-29-59, Cl. 102-70.2.
- Morison, Warrick D., Jr.: See—  
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- Moritz, Donald E., to Waco Mfg. Co. Combination table and bench construction. 2,917,108, 12-15-59, Cl. 155-124.
- Mork, Ralph G., to International Business Machines Corp. Signaling system. 2,902,684, 9-1-59, Cl. 340-324.
- Mork, Ralph G., to International Business Machines Corp. Light gun assembly. 2,915,643, 12-1-59, Cl. 250-217.
- Mork, Raymond P., to Raytheon Mfg. Co. Heating apparatus. 2,888,512, 5-26-59, Cl. 219-10.55.
- Mork, Raymond P., to Raytheon Co. Conversion of binary coded information to pulse pattern form. 2,894,254, 7-7-59, Cl. 340-347.
- Morkoski, James, to International Harvester Co. Vehicle hitch having friction type surge dampener. 2,912,256, 11-10-59, Cl. 280-449.
- Morley, Clifford D.: See—  
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- Morley, Frederick W. W.: See—  
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- Morley, Frederick W. W., and P. Redfern, to Rolls-Royce Ltd. Variable area jet propulsion nozzles for jet propulsion engines. 2,906,090, 9-29-59, Cl. 60-35.6.
- Morley, Frederick W. W., and H. Cook, to Rolls-Royce Ltd. Gas turbine engine fuel systems. 2,916,875, 12-15-59, Cl. 60-39.28.
- Morley, Lawrence W., to Her Majesty the Queen in The Right of Canada, as represented by the Minister of Mines and Technical Surveys. Method and apparatus for inductive prospecting. 2,919,397, 12-29-59, Cl. 324-6.
- Morley, William J.: See—  
Marchant, Francis C. I., Morley, and Briggs. 2,869,820.
- Mornard, Rene H. J. Faucets. 2,876,988, 3-10-59, Cl. 251-333.
- Morneault, Alphonse A. Shoe polishing kit. 2,869,168, 1-20-59, Cl. 15-258.
- Morning Coffee, Inc.: See—  
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- Morning, John L., to E. I. du Pont de Nemours and Co. Process for melting metals. 2,870,006, 1-20-59, Cl. 75-84.
- Morningstar, Alfred L., and L. G. Hallas. Deformable self-supporting shield. 2,887,154, 5-19-59, Cl. 160-351.
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- Moro, Antonio, to S. p. A. Fratelli Borletti. Coiler for the hook in sewing machines. 2,871,809, 2-3-59, Cl. 112-218.
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- Morone, Joseph P., Jr., to P. R. Mallory & Co., Inc. Socket structure. 2,882,512, 4-14-59, Cl. 339-193.
- Morphy-Richards Ltd.: See—  
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- Morrell Aluminum Products, Inc.: See—  
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- Morrell, James N., to E. I. du Pont de Nemours and Co., Inc. Integral valve control unit. 2,876,315, 3-3-59, Cl. 200-168.
- Morrell, James N. Control for valve or the like. 2,916,947, 12-15-59, Cl. 74-625.
- Morrell, John P. Steering mechanism for lift trucks. 2,875,842, 3-3-59, Cl. 180-64.
- Morrell, John P. Power driven material handling trucks. 2,875,852, 3-3-59, Cl. 187-9.
- Morrell, John P. Hydraulic lift trucks. 2,899,093, 8-11-59, Cl. 214-700.
- Morrell, Samuel R. Extensible power tool support. 2,889,723, 6-9-59, Cl. 77-7.
- Morren, Henri, to Union Chimique Belge Societe Anonyme. Piperazine ethers and their method of preparation. 2,899,436, 8-11-59, Cl. 260-268.
- Morrill, Charles D., H. L. Hosterman, Jr., and P. R. Vance, to Goodyear Aircraft Corp. Curve follower. 2,875,889, 2-24-59, Cl. 318-31.
- Morrill, Frank B., to James Hunter Machine Co. Needle loom. 2,896,303, 7-28-59, Cl. 28-4.
- Morrill, Melvin Y. Washing device with water pickup attachment. 2,885,713, 5-12-59, Cl. 15-322.
- Morrill, Ralph C. Aquarium with habitat effect. 2,879,742, 3-31-59, Cl. 119-3.
- Morrill, Wayne J. Winding forms for dynamoelectric machines. 2,894,157, 7-7-59, Cl. 310-179.
- Morris, Albert J., and J. P. Swanson, to Levinthal Electronic Products, Inc. High voltage pulse generator. 2,871,380, 1-27-59, Cl. 307-106.
- Morris, Albert R., and A. Svac. Bushing extractor. 2,889,618, 6-9-59, Cl. 29-267.
- Morris, Alberto J., to R. A. Lister & Co. Ltd. Internal combustion engine with piston having combustion cavity in its head. 2,870,754, 1-27-59, Cl. 123-32.
- Morris, Alberto J., to R. A. Lister & Co. Ltd. Fuel injector of air-cooled compression ignition engine. 2,887,994, 5-26-59, Cl. 123-32.
- Morris, Beulah B.: See—  
Morris, Evelyn C. and B. B. 2,898,598.
- Morris, Carol V., to Pitman Mfg. Co. Hydraulic folding gooseneck boom. 2,888,151, 5-26-59, Cl. 212-144.
- Morris, Charles H. F., Jr.: See—  
Valentine, Joseph L., and Morris. 2,882,519.
- Morris, Clifford M.: See—  
Wilde, Dale K., Morris, and Hanft. 2,885,588.
- Morris, Donald E., to General Motors Corp. Ice detector and control system. 2,874,259, 2-17-59, Cl. 219-10.
- Morris, Earl F.: See—  
Carlyle, Robert L., and Morris. 2,889,279.
- Morris, Earl L., and Morris. 2,895,913.
- Morris, Earl L., to Acorn Engineering Co. Combination drain and support for freestanding and throughstanding stanchions. 2,885,689, 5-12-59, Cl. 4-145.
- Morris, Earl L., and G. L. Curtice, to Acorn Engineering Co. Fixture carrier construction. 2,903,712, 9-15-59, Cl. 4-170.
- Morris, Edward H.: See—  
Goddin, Thomas E., and Morris. 2,903,075.
- Morris, Eunice A. Mammary prostheses. 2,875,448, 3-3-59, Cl. 3-36.
- Morris, Evelyn C. Dress shields. 2,886,820, 5-19-59, Cl. 2-54.
- Morris, Evelyn C. and B. B. Dress shields. 2,898,598, 8-11-59, Cl. 2-54.
- Morris, Frank A.: See—  
Watson, Robert J., and Morris. 2,918,835.
- Morris, Frank A., to General Dynamics Corp. Linkage allotting system for automatic telephone system. 2,872,521, 2-3-59, Cl. 179-15.
- Morris, Frank A., to General Dynamics Corp. Demodulator circuit. 2,881,313, 4-7-59, Cl. 250-27.
- Morris, Frank A., and M. A. Clement, to General Dynamics Corp. Automatic subscriber identification system. 2,877,311, 3-10-59, Cl. 179-17.
- Morris, Frank A., J. D. Confeld, H. L. Foote, and H. S. Gleason, to General Dynamics Corp. Automatic toll ticketing. 2,886,642, 5-12-59, Cl. 179-7.1.
- Morris, Frank A., and R. B. Trousdale, to General Dynamics Corp. Telephone system. 2,889,406, 6-2-59, Cl. 179-15.
- Morris, Frank A., M. A. Clement, and B. A. Harris, to General Dynamics Corp. Automatic subscriber identification system. 2,894,068, 7-7-59, Cl. 179-7.1.
- Morris, Frank J. Sheet ceiling material elevator. 2,883,073, 4-21-59, Cl. 214-1.
- Morris, George L., to M. R. Hurst. Telescoping metal pallet. 2,909,349, 10-20-59, Cl. 248-120.
- Morris, George L., to M. R. Hurst. Pallet for shipping sheet material. 2,909,350, 10-20-59, Cl. 248-120.
- Morris, George V., to Zenith Radio Corp. Code card device. 2,874,977, 2-24-59, Cl. 283-6.
- Morris, George V., to Zenith Radio Corp. Antenna structure. 2,882,527, 4-14-59, Cl. 343-788.
- Morris, George V., to United States of America, Army. Air driven reed electric generator. 2,895,063, 7-14-59, Cl. 310-15.
- Morris, George V., to Zenith Radio Corp. Switching apparatus. 2,902,559, 9-1-59, Cl. 200-87.

- Morris, George V., to Zenith Radio Corp. Subscription television encoding apparatus. 2,910,553, 10-27-59, Cl. 200-46.
- Morris, George V., and E. M. Roschke, to Zenith Radio Corp. Subscription television system. 2,909,592, 10-20-59, Cl. 178-5.1.
- Morris, Glen B., to Collins Radio Co. In-line reversing mechanism. 2,905,023, 9-22-59, Cl. 74-792.
- Morris, Herman J., to United States of America, Agriculture. Means for detecting enzyme activity. 2,905,594, 9-22-59, Cl. 195-103.5.
- Morris, Howard E. Variable speed reducer. 2,881,626, 4-14-59, Cl. 74-342.
- Morris, Huele L. Pipe laying and transporting device for bulldozers. 2,881,928, 4-14-59, Cl. 214-1.
- Morris, James F., to The Kendall Co. Method of making fused film laminates. 2,879,547, 3-31-59, Cl. 18-55.
- Morris, Jean K.: See—  
Morris, William W. 2,871,329.
- Morris, John, Jr., to Chemical Appliances, Inc. Swivel joints in connectors for steam lines of railway cars. 2,901,273, 8-25-59, Cl. 285-281.
- Morris, John L. Detachable tarpaulin arrangement. 2,889,171, 6-2-59, Cl. 296-100.
- Morris, John M., to Carrier Conveyor Corp. Vibratory bag flattener. 2,877,704, 3-17-59, Cl. 100-70.
- Morris, John M., to Carrier Conveyor Corp. Vibratory conveyor spring assembly. 2,885,067, 5-5-59, Cl. 198-220.
- Morris, John M., to Carrier Conveyor Corp. Resilient mount for conveyors and the like. 2,914,313, 11-24-59, Cl. 267-1.
- Morris, John N., to The S. U. Carburetter Co. Ltd. Fuel supply system for spark-ignition fuel injection internal combustion engines. 2,899,953, 8-18-59, Cl. 123-179.
- Morris, John N., to The S. U. Carburetter Co. Ltd. Fuel injection pumps. 2,915,014, 12-1-59, Cl. 103-38.
- Morris, John, & Sons (Detectors) Ltd.: See—  
Lingard, Cyril A. 2,909,926.
- Morris, Joseph. Mechanical hammer. 2,869,374, 1-20-59, Cl. 74-22.
- Morris, Joseph. Hammer. 2,889,711, 6-9-59, Cl. 74-22.
- Morris, Kenneth G.: See—  
Roediger, Joseph C., and Morris. 2,906,687.
- Morris, Kenneth G., J. C. Roediger, R. G. Newberg, and A. F. Sayko, to Esso Research and Engineering Co. Process for preparing high quality asphalt-copolymer compositions. 2,889,296, 6-2-59, Cl. 260-28.5.
- Morris, Leo, and A. L. Wilson, to Corn Products Co. Process for recovering whole zein. 2,882,265, 4-14-59, Cl. 260-123.
- Morris, Leo R.: See—  
Mock, Richard A., Marshall, and Morris. 2,910,445.
- Morris, Leo R., to The Dow Chemical Co. Vinylphenyl allylphatic amino-carboxylic acid polymers. 2,875,162, 2-24-59, Cl. 260-21.
- Morris, Leo R., to The Dow Chemical Co. Chelating resins having  $\alpha$ -amino-carboxylic acid groups on a polymerized vinylbenzylamine resin structure. 2,888,441, 5-26-59, Cl. 260-78.
- Morris, Lucien E. Anesthesia apparatus. 2,890,696, 6-16-59, Cl. 128-188.
- Morris Motors Ltd.: See—  
Harris, Michael G., and Walker. 2,899,177.
- Morris, Myron J. Dual boring attachment. 2,879,675, 3-31-59, Cl. 74-665.
- Morris, Nathan K. Food chopper. 2,895,520, 7-21-59, Cl. 146-160.
- Morris, Philip, Inc.: See—  
Seligman, Robert B. 2,879,298.
- Morris, Ray B. Grease dispenser heater. 2,894,102, 7-7-59, Cl. 219-19.
- Morris, Robert A.: See—  
Jones, Clarence L., and Morris. 2,879,142.
- Morris, Robert B., to Westinghouse Air Brake Co. Anti-freezer for pipe lines. 2,899,977, 8-18-59, Cl. 138-34.
- Morris, Robert C., and W. L. Brown, 3rd, to American Hatchery Engineers, Inc. Vacuum transfer machine. 2,903,290, 9-8-59, Cl. 294-65.
- Morris, Robert J., to American Machine & Foundry Co. Cigarette machine. 2,918,923, 12-29-59, Cl. 131-94.
- Morris, Rupert C.: See—  
Conklin, George W., and Morris. 2,886,575.
- Van Winkle, John L., Bell, and Morris. 2,875,224.
- Van Winkle, John L., Bollo, and Morris. 2,913,875.
- Van Winkle, John L., and Morris. 2,874,184.
- Watson, Forrest J., Morris, and Van Winkle. 2,874,120.
- Morris, Thomas C., and A. M. Chaplick, to B. B. Chemical Co. Thermoplastic polyamide-epoxy adhesives. 2,867,592, 1-6-59, Cl. 260-18.
- Morris, Thomas C., and E. C. Johnson, to B. B. Chemical Co. Polyethylene containing adhesive. 2,894,925, 7-14-59, Cl. 260-27.
- Morris, Wheeler & Co., Inc.: See—  
Spodolski, Joseph W. 2,899,848.
- Wiley, Richard T. 2,877,905.
- Morris, William C. Fatty acid screen vehicles. 2,872,326, 2-3-59, Cl. 106-19.
- Morris, William C., to General Electric Co. Negative-phase-sequence responsive apparatus. 2,897,407, 7-28-59, Cl. 317-47.
- Morris, William C., and A. O. Tesar, to The Harshaw Chemical Co. Ceramic pigments. 2,875,085, 2-24-59, Cl. 106-299.
- Morris, William W., 1/2 to C. B. Ellis and 1/2 to J. K. Morris. Electrical resistance wire nets and terminals. 2,871,329, 1-27-59, Cl. 201-63.
- Morrish, Leonard M., to General Motors Corp. Induction heating means. 2,888,001, 5-26-59, Cl. 123-122.
- Morrish, Leonard M., and L. E. Muller, to General Motors Corp. Exhaust muffler means. 2,881,852, 4-14-59, Cl. 181-57.
- Morrish, Leonard M., and L. E. Muller, to General Motors Corp. Muffler. 2,899,007, 8-11-59, Cl. 181-54.
- Morrison, Charles A., to Eastman Kodak Co. Dust meter. 2,898,803, 8-11-59, Cl. 88-14.
- Morrison, Charles C., to F. N. Burt Co., Inc. Container. 2,867,348, 1-6-59, Cl. 220-31.
- Morrison, Charles F. Wheeled conveyors for elongated objects. 2,882,064, 4-14-59, Cl. 280-44.
- Morrison, Charles S., to Deere & Co. Implement mounting means. 2,900,034, 8-18-59, Cl. 172-273.
- Morrison, Charles S., to Deere & Co. Potato deviner. 2,911,978, 11-10-59, Cl. 130-30.
- Morrison, Clyde A.: See—  
Jones, George R., Cacheris, and Morrison. 2,897,455.
- Morrison, Clyde W. Brazing furnace construction. 2,874,949, 2-24-59, Cl. 263-40.
- Morrison Co., The: See—  
Morrison, George F., Breul, and Frentzel. 2,877,849.
- Morrison, David, to General Time Corp. Pull-set mechanism. 2,914,907, 12-1-59, Cl. 58-80.
- Morrison, Fernum F. Levelling device. 2,889,126, 6-2-59, Cl. 248-157.
- Morrison, George F., G. B. Breul, and H. C. Frentzel, to The Morrison Co. Well system. 2,877,849, 3-17-59, Cl. 166-67.
- Morrison, Harold E., to Whirlpool Corp. Gas burner. 2,867,272, 1-6-59, Cl. 158-113.
- Morrison, James L. D. Hot beverage dispenser. 2,883,921, 4-28-59, Cl. 99-275.
- Morrison, Jerome L. Extensible leaf support and lock means for an extendable table. 2,865,597, 1-13-59, Cl. 311-55.
- Morrison, John A., and L. H. Olson, to Boeing Airplane Co. Cowl securing means. 2,879,959, 3-31-59, Cl. 244-129.
- Morrison, John G.: See—  
Mansfield, Richard C., Morrison, and Schmidle. 2,874,119.
- Morrison, Joseph D.: See—  
Baker, Bertell B., and Morrison. 2,870,067.
- Morrison, Joseph L. Air flow control device. 2,915,956, 12-8-59, Cl. 98-40.
- Morrison, Lawrence L., to Component Designers, Inc. Tripping potentiometer. 2,895,116, 7-14-59, Cl. 338-180.
- Morrison, Lawrence R., and E. E. Erikson. Advertising spinner. 2,896,349, 7-28-59, Cl. 40-39.
- Morrison, Peter: See—  
Armstrong, William J., Morrison, and Myhre. 2,905,011.
- Morrison, Robert F., Jr., to Emerson Radio & Phonograph Corp. Phase and frequency modifying apparatus for electrical waves. 2,908,813, 10-13-59, Cl. 250-20.
- Morrison, Robert O., to Fishel's Awning & Supply Co. Pouring spout for water bags. 2,891,704, 6-23-59, Cl. 222-543.
- Morrison, Russell A.: See—  
Cronk, Milo M., and Morrison. 2,907,476.
- Morrison, Russell P., J. D. Sproul, and A. Dunlap. Boat trailer motor support. 2,914,199, 11-24-59, Cl. 214-84.
- Morrison, Stephen C., and M. T. Williams, to Hughes Aircraft Co. Pulse rate measuring circuit. 2,891,149, 6-16-59, Cl. 250-27.
- Morrison, Thomas S., to Halax Corp. Diaphragm mounting. 2,913,007, 11-17-59, Cl. 137-791.
- Morrison, Willard L.: See—  
Brown, Edwin H., and Morrison. 2,890,123.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Apparatus for making soap. 2,876,082, 3-3-59, Cl. 23-290.5.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Method and apparatus for composting manure. 2,878,112, 3-17-59, Cl. 71-9.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Method and apparatus for chilling perishable materials such as foodstuffs. 2,889,689, 6-9-59, Cl. 62-64.
- Morrison, Willard L., to Constock Liquid Methane Corp. Insulated tank with impervious lining. 2,889,953, 6-9-59, Cl. 220-9.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Shipper container. 2,892,563, 6-30-59, Cl. 220-15.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Shipper container. 2,892,564, 6-30-59, Cl. 220-15.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Method for storing and shipping foodstuffs and the like. 2,894,373, 7-14-59, Cl. 62-64.
- Morrison, Willard L., to Constock Liquid Methane Corp. Method of liquefying natural gas. 2,900,796, 8-25-59, Cl. 62-11.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Method and apparatus for preserving perishable material. 2,901,891, 9-1-59, Cl. 62-80.
- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Spark ignition device for internal combustion engines. 2,904,610, 9-15-59, Cl. 123-169.



- Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Method of preparing and handling ice cream, sherbet, ices and the like. 2,909,433, 10-20-59, Cl. 99-136.
- Morrison, William A., to Ingersoll-Rand Co. Fluid actuated percussive tool. 2,886,004, 5-12-59, Cl. 121-10.
- Morrison, William G., Jr., to Union Carbide Corp. Moisture resistant brazing rod. 2,897,106, 7-28-59, Cl. 148-23.
- Morrissey, Richard T., to The B. F. Goodrich Co. Molding composition comprising fused aluminum silicate in fiber and pellet form and process of making same. 2,877,198, 3-10-59, Cl. 260-29.3.
- Morrissey, William M., Jr., and J. A. Dahlgren, to General Electric Co. Refrigerator cabinet. 2,889,901, 6-9-59, Cl. 189-88.
- Morro, William C., Jr., and R. B. McBride, to Union Carbide Corp. Acetylene separation system. 2,891,633, 6-23-59, Cl. 183-115.
- Morrow, Albert P., and J. L. Kopf. Soluble coffee and process of extracting the same. 2,888,349, 5-26-59, Cl. 99-71.
- Morrow, Elmore F., to Avro Aircraft Ltd. Quick release mechanism. 2,870,510, 1-27-59, Cl. 24-230.
- Morrow, Fred A. Hose fitting having male or female coupling means. 2,908,512, 10-13-59, Cl. 285-12.
- Morrow, Harry C., to United States Steel Corp. Troughed belt conveyor. 2,897,955, 8-4-59, Cl. 198-202.
- Morrow, Harry E., to Diamond Chain Co., Inc. Method of making annular elements for power-transmission chains. 2,883,735, 4-28-59, Cl. 29-149.5.
- Morrow, John G., to Freeport Sulphur Co. Recovery of cobalt and nickel from ores. 2,872,306, 2-3-59, Cl. 75-101.
- Morrow, Joseph H. Expandable piston for internal combustion engines. 2,884,290, 4-28-59, Cl. 309-10.
- Morrow, Nolen C. Socket wrench adapter. 2,871,744, 2-3-59, Cl. 81-185.
- Morrow Products, Inc.: See—
- Morrow, Robert D. 2,913,636.
- Morrow, Robert D., to Morrow Products, Inc. Headlight dimming device. 2,913,636, 11-17-59, Cl. 317-124.
- Morse Chain Co.: See—
- Sharp, Theo F. 2,909,938.
- Morse, Charles H., to Remington Arms Co., Inc. Magazine inertia latch. 2,877,590, 3-17-59, Cl. 42-6.
- Morse, Charles L. Circle cutter. 2,906,145, 9-29-59, Cl. 77-69.
- Morse, Charles L. Keyhole saw. 2,916,066, 12-8-59, Cl. 145-31.
- Morse, Edward A., to Personal Products Corp. Thermoplastic paper. 2,899,351, 8-11-59, Cl. 162-146.
- Morse, Francis, to General Electric Co. Flow indicator. 2,917,922, 12-22-59, Cl. 73-228.
- Morse Instrument Co., The: See—
- Harbaugh, Philip W. 2,875,636.
- Morse, John F., and Waver. 2,907,421.
- Morse, John F., and Waver. 2,909,776.
- Morse, John F. Single lever outboard motor control. 2,884,109, 4-28-59, Cl. 192-098.
- Morse, John F., and D. W. Waver, to The Morse Instrument Co. Single lever engine control. 2,907,421, 10-6-59, Cl. 192-098.
- Morse, John F., and D. W. Waver, to The Morse Instrument Co. Television antenna for vehicles. 2,909,776, 10-20-59, Cl. 343-799.
- Morse, Malcolm S., to United States of America, Commerce. Temperature regulating tube shield. 2,902,262, 9-1-59, Cl. 257-2.
- Morse, Milton. Pressure equalizing hermetically sealing boot. 2,870,300, 1-20-59, Cl. 200-168.
- Morse, Milton. Self-grounding electrical plug. 2,876,426, 3-3-59, Cl. 339-14.
- Morse, Milton. Molded self-grounding electrical plug construction. 2,897,469, 7-28-59, Cl. 339-14.
- Morse, Milton. Electrical power plug. 2,915,737, 12-1-59, Cl. 339-195.
- Morse, Park L., to American Gilsontite Co. Insulating and corrosion protective material. 2,903,409, 9-8-59, Cl. 208-22.
- Morse, Richard A.: See—
- Campan, Frank E., Glass, and Morse. 2,901,043.
- Costa, Joseph L., Glauber, Morse, Pollitzer, and Sixthor. 2,890,865.
- Morse, Richard A., and M. J. Rzasa, to Pan American Petroleum Corp. Heavy oil recovery. 2,881,838, 4-14-59, Cl. 166-40.
- Morse, Roland B. Tractor hitch. 2,880,812, 4-7-59, Cl. 172-460.
- Morse-Starratt Products Co.: See—
- Ferreira, Fred R. 2,905,959.
- Ward, Adelbert V. 2,905,960.
- Morse, William H., to Westinghouse Electric Corp. Quiet squirrel-cage motors. 2,900,537, 8-18-59, Cl. 310-51.
- Morse, William L. Angular position indicator. 2,877,561, 3-17-59, Cl. 33-215.
- Morsa, Robert C. Amusement device. 2,895,257, 7-21-59, Cl. 46-43.
- Mortek, Ernst: See—
- Steiner, Fritz, and Mortek. 2,881,373.
- Mortensen, Peter E.: See—
- Carlton, Raymond R., and Mortensen. 2,898,708.
- Mortenson, Everett N., to Swift & Co. Plant food manufacture. 2,885,279, 5-8-59, Cl. 71-42.
- Mortenson, Lawrence E.: See—
- Haverly, LeRoy N., and Mortenson. 2,891,806.
- Mortimer, Edmund W., to Garrard Engineering and Mfg. Co. Ltd. Mountings for record changer units. 2,879,960, 3-31-59, Cl. 248-20.
- Mortimer, Frank R., to Dunlop Rubber Co. Ltd. Fluid pressure dampers. 2,877,800, 3-17-59, Cl. 138-26.
- Mortimer, Harry T. Magnetic frequency changer. 2,883,604, 4-21-59, Cl. 321-68.
- Mortimer, Harry T. Modulator. 2,883,605, 4-21-59, Cl. 321-68.
- Mortimer, Richard B.: See—
- Rycraft, Dale, Jr., and Mortimer. 2,909,984.
- Mortley, Wilfrid S., to Marconi's Wireless Telegraph Co. Ltd. Frequency changing circuit arrangements. 2,882,394, 4-14-59, Cl. 250-20.
- Morton, Allen W., to A. W. Morton. Superposed lock nuts having offset conical mating surfaces. 2,886,086, 5-12-59, Cl. 151-15.
- Morton Chemical Co.: See—
- Baldoni, Andrew A., and Miyashiro. 2,914,451.
- Schwarz, Morton. 2,880,132.
- Seven, Raymond P. 2,894,873.
- Morton Chemical Corp.: See—
- Walton, Harold F., and Waugh. 2,871,252.
- Morton, David C.: See—
- Packman, Percival J., and Morton. 2,881,900.
- Morton, Evans T., to Admiral Corp. Hinge structure for containers. 2,867,842, 1-13-59, Cl. 16-189.
- Morton, Evans T., and W. H. Wehrich, to Admiral Corp. Dehumidifier. 2,867,993, 1-13-59, Cl. 62-297.
- Morton, George A.: See—
- Young, Charles J., and Morton. 2,875,370.
- Morton, George A., to Radio Corp. of America. Electron multiplier. 2,903,595, 9-8-59, Cl. 250-207.
- Morton, George A., and M. W. Green, to United States of America, Atomic Energy Commission. Secondary electron multipliers. 2,867,729, 1-6-59, Cl. 250-207.
- Morton, Glen R. Disposable grease container. 2,899,112, 8-11-59, Cl. 222-325.
- Morton, Harold S., Jr., to Union Carbide Corp. Liquid vortex arc torch process. 2,906,558, 9-29-59, Cl. 219-121.
- Morton, Henry C.: See—
- Runtun, Leslie A., and Morton. 2,890,041.
- Runtun, Leslie A., and Morton. 2,906,567.
- Runtun, Leslie A., and Morton. 2,906,569.
- Runtun, Leslie A., and Morton. 2,908,028.
- Runtun, Leslie A., and Morton. 2,908,532.
- Runtun, Leslie A., and Morton. 2,908,535.
- Runtun, Leslie A., and Morton. 2,918,316.
- Morton, Henry C., to The Russell Mfg. Co. Friction facing. 2,901,388, 8-25-59, Cl. 154-52.
- Morton, Ian D., and E. Sharples, to Lever Brothers Co. Process of preparing a honey flavor. 2,916,382, 12-8-59, Cl. 99-140.
- Morton, John W., to Minneapolis-Honeywell Regulator Co. Electric controllers. 2,884,504, 4-28-59, Cl. 201-48.
- Morton, Kenneth L., to Western Electric Co., Inc. Apparatus for testing articles. 2,877,405, 3-10-59, Cl. 324-38.
- Morton, Kenneth L., to Western Electric Co., Inc. Apparatus for forming calibrating pulses. 2,885,638, 5-5-59, Cl. 324-68.
- Morton, Lester C., and P. A. King, to Bridgeport Brass Co. Pressure-applying fixture. 2,881,728, 4-14-59, Cl. 113-59.
- Morton Machine Co. Ltd.: See—
- Hepburn, Robert. 2,901,988.
- Morton, Robert C., to California Computer Products, Inc. Electric lamp switching mechanism. 2,896,125, 7-21-59, Cl. 315-272.
- Morton, Robert E. Orbital trimming and welding machine. 2,914,011, 11-24-59, Cl. 113-59.
- Morton Salt Co.: See—
- Burns, Claude A. 2,902,418.
- Diamond, Horace W. 2,895,795.
- Eckles, William J. 2,873,894.
- Hassler, Winfield S. 2,891,703.
- Morton, Thomas J., Jr., to Hoosier Cardinal Corp. Refrigerator shelf. 2,876,910, 3-10-59, Cl. 211-153.
- Morton, William A., and A. Augustine. Recuperative furnaces. 2,869,627, 1-20-59, Cl. 158-45.
- Morway, Arnold J.: See—
- Bartlett, Jeffrey H., Brugmann, and Morway. 2,867,519.
- Bartlett, Jeffrey H., and Morway. 2,882,230.
- Brugmann, William H., Jr., Morway, and Bartlett. 2,876,089.
- Cottle, Delmer L., Young, Morway, and Smith. 2,874,192.
- Matuszak, Alfred H., and Morway. 2,889,281.
- Morway, Arnold J., to Esso Research and Engineering Co. Anti-friction bearing grease and preparation thereof. 2,872,416, 2-3-59, Cl. 252-33.2.
- Morway, Arnold J., to Esso Research and Engineering Co. Process for preparing improved synthetic ester based grease compositions. 2,892,777, 6-30-59, Cl. 252-32.
- Morway, Arnold J., to Esso Research and Engineering Co. Blended lithium calcium base grease. 2,908,645, 10-13-59, Cl. 252-40.
- Morway, Arnold J., to Esso Research and Engineering Co. Blended grease compositions. 2,918,431, 12-22-59, Cl. 252-40.
- Morway, Arnold J., and H. K. Wiese, to Esso Research and Engineering Co. Soap-salt complex thickened greases. 2,880,174, 3-31-59, Cl. 252-37.7.

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- Morway, Arnold J., and W. J. Sweeney, to Esso Research and Engineering Co. Lubricants containing comminuted fluid coke. 2,903,426, 9-8-59, Cl. 252-22.
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- Moseley, Charles F. Oil well stuffing box. 2,892,643, 6-30-59, Cl. 286-16.
- Moseley, Donald: See—
- Travis, Ralph L. 2,900,850.
- Moseley, F. L., Co.: See—
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- Moseley, Francis L. 2,868,613.
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- Moser, Albert W.: See—
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- Moser, John F., Jr., to Esso Research and Engineering Co. Fluid bed trap for conversion systems. 2,877,278, 3-10-59, Cl. 260-680.
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- Moses, James N.: See—
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- Mosesman, Max A.: See—
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- Dinwiddie, James A., and Mosesman. 2,889,268.
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- Landis, George G., Brown, and Mosgrove. 2,909,649.
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- Gardiner, William C., Mosher, and Sakowski. 2,872,393.
- Mosher, Hugh C. Marionette or puppet. 2,889,660, 6-9-59, Cl. 46-126.
- Mosher, Ralph S., to General Electric Co. Linkage. 2,869,139, 1-20-59, Cl. 3-12.
- Mosher, Walter W., Jr., and A. R. Goldammer. 20.6% to D. A. Lang, 20.6% to S. E. Charles, 2.8% to J. E. Long, 2.8% to H. W. Neilly, and 12% to A. Knutson. Identification bracelet. 2,893,143, 7-7-59, Cl. 40-21.
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- Moskow, Eugene D., to Benbow Mfg. Co., Inc. Interior diameter maintaining support for seal rings. 2,898,134, 8-4-59, Cl. 286-26.
- Moskowitz, Lester R.: See—
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- Moss, Ennis E., to G. G. Potts. Cotton lint cleaners. Re. 24,624, 3-31-59, Cl. 19-67.
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- Moss, Philip H., to Jefferson Chemical Co., Inc. Method for preparing 1-methylpiperazine. 2,905,673, 9-22-59, Cl. 260-268.
- Moss, Rodney D., to The Dow Chemical Co. Benzylidene-dialkylamino-hexanones and their acid addition salts. 2,897,236, 7-28-59, Cl. 260-570.5.
- Moss, Ronald. Belt. 2,898,602, 8-11-59, Cl. 2-301.
- Mossberg, O. F., & Sons, Inc.: See—
- Sawin, Raymond R. 2,895,248.
- Mosse, Daniel T. Slenderizing machine. 2,869,539, 1-20-59, Cl. 128-33.
- Mossey, Joseph L., to Bendix Aviation Corp. Brake assembly. 2,906,375, 9-29-59, Cl. 188-70.
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- Mossman, Donald P., Jr. Selective switching apparatus. 2,879,345, 3-24-59, Cl. 200-5.
- Mossner, Elmer H.: See—
- Roberson, Keith, and Mossner. 2,906,619.
- Most, David, to Rush Instrument Co., Inc. Portable high voltage power supply. 2,873,409, 2-10-59, Cl. 315-219.
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- Mostad, Elgil: See—
- Aannerud, Sigurd A., and Mostad. 2,868,635.
- Mosteller, William P. Photographic lettering device. 2,883,918, 4-28-59, Cl. 95-4.5.
- Mostello, Anthony J.: See—
- Daniels, Rupert S., and Mostello. 2,878,111.
- Moster, Clarence R., and G. E. St. John, to Bell Telephone Laboratories, Inc. Traveling wave tube. 2,888,594, 5-26-59, Cl. 315-3.
- Mostovych, Nicholas, and A. Cybriwsky, to Reynolds Metals Co. Apparatus for anodizing aluminum surfaces. 2,901,412, 8-25-59, Cl. 204-211.
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- Casagrande, Robert M., Motard, and Reed. 2,912,284.
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Motsinger, Armand V. Gas mask breathing resistance. 2,908,  
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Mott, Carl W., to Mott Corp. Lawn mower. 2,871,644,  
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Mott, Carl W., to The Kendall Co. Mechanism for stripping  
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Mott, John H. Staple-forming machine. 2,910,697, 11-3-59,  
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Mott, Norman S., to Cooper Alloy Corp. Precipitation harden-  
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Mott, Richard C., to Minneapolis-Honeywell Regulator Co.  
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Mottet, Arthur L., to International Paper Co. Weighing  
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Micro-vapor pressure apparatus. 2,874,567, 2-24-59, Cl.  
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Mott-Smith, Lewis M., to United States of America, Navy.  
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Mottu, Andre, to Societe Genevoise d'Instruments de Physique.  
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Motyka, John J., and P. J. Loui. Record holder. 2,906,408,  
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Motz, Carl H., to National Broach & Machine Co. Work  
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Motz, Joseph W., and J. H. Reaves. Frequency measuring  
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Moudry, Marie K.: See—  
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Moule, Gordon H., and J. T. Urry, to Metropolitan-Vickers  
Electrical Co. Ltd. Glow plugs for compression ignition  
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Moule, Gordon H., and J. T. Urry, to Metropolitan-Vickers  
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Moule, Rex E. Fireproof metal mattress or padding.  
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Moullec, Jean. Thresher having angularly adjustable con-  
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Moulton, Joseph D., to McGraw-Edison Co. Alkaline storage  
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Moulton, Joseph D., and W. R. Miller, to McGraw-Edison Co.  
Alkaline storage battery with negative iron electrode.  
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Moulton, Lloyd J., to Curtis-Wright Corp. Engine load  
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Moulton, Stephen W., to Philco Corp. Color television signal  
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Moulton, Stephen W., and M. E. Partin, to Philco Corp.  
Photoelectric control system for color television receivers.  
2,910,615, 10-27-59, Cl. 315-10.

Moulton, Thomas S. Portable irrigation system. 2,912,996,  
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Moustakis, George C. Automatic fluid pressure actuated  
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Moutet, Andre G. L., to Office National d'Etudes & de Re-  
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Movick, Nyle O., to Northrop Aircraft, Inc. Constant load-  
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Mowat, John H., and J. S. Webb, to American Cyanamid Co.  
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Moy, Hammond R., W. H. Shockey, and S. E. Porter, to  
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Co. Ltd. Catalytic desulfurization of petroleum hydro-  
carbons and production of hydrogen therefrom. 2,889,274,  
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Moy, Tsay K., and F. W. Henning, to Westinghouse Electric  
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60-39.72.

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2,874,245, 2-17-59, Cl. 200-104.

Moyer, David F. Switch assembly. 2,890,307, 6-9-59, Cl.  
200-93.

Moyer, David F. Switch assembly. 2,916,585, 12-8-59, Cl.  
200-104.

Moyer, Edward L., to Bendix Aviation Corp. Rotor construc-  
tions for disk brakes and the like. 2,905,279, 9-22-59, Cl.  
188-218.

Moyer, Frederick D., and C. M. Orr, to Chicago Bridge &  
Iron Co. Single deck contact type floating roof. 2,886,204,  
5-12-59, Cl. 220-26.

Moyer, Hallard C., to Sinclair Refining Co. Paraffin wax  
composition of improved gloss stability. 2,903,408, 9-8-59,  
Cl. 208-21.

Moyer, Harold W., and L. A. Marsh. Device for crating  
paintings and the like. 2,895,599, 7-21-59, Cl. 206-1.

Moyer, Henry F., to Libbey-Owens-Ford Glass Co. Multiple  
sheet glazing units. 2,875,792, 3-3-59, Cl. 141-4.

Moyer, Oscar E., to Universal Mfg. Corp. Building mate-  
rials elevator for scaffolds. 2,883,002, 4-21-59, Cl. 187-2.

Moyer, Oscar E., to Universal Mfg. Corp. Scaffold monorail  
conveyor. 2,912,121, 11-10-59, Cl. 212-17.

Moyer, Stanley H.: See—  
Osborne, Russell E., Moyer, and Coyne. 2,882,955.

Moyer, William C., to The Texas Co. Cracking feed from  
lubricating oil stock. 2,868,716, 1-13-59, Cl. 208-87.

Moyer, Wilmer L.: See—  
Roudebush, Melvin T., and Moyer. 2,919,331.

Moyle, Clarence L.: See—  
Sims, Jacqueline G., and Moyle. 2,905,706.  
Sims, Jacqueline G., and Moyle. 2,917,534.

Moyle, Clarence L., to The Dow Chemical Co. 3,4-dichloro-  
phenoxalkanois. 2,868,843, 1-13-59, Cl. 260-613.

Moynahan Bronze Co.: See—  
Cudini, Roger G. 2,867,856.

Moyrand, Jean: See—  
Charcuset, Raymond, and Moyrand. 2,913,148.

Moyroud, Louis: See—  
Higonnet, Rene, and Moyroud. 2,897,940.

Moyroud, Louis M.: See—  
Hanson, Ellis P., Higonnet, Moyroud, and Manevitz.  
2,910,163.

Higonnet, Rene, and Moyroud. 2,876,687.

Moyse, James A.: See—  
Lowe, Arthur, Moyse, and Wooler. 2,897,162.

Mozur, Kasimier W. Self winding watch testing machine.  
2,877,642, 3-17-59, Cl. 73-6.

Mozur, Kasimier W. Levelling device. 2,892,260, 6-30-59,  
Cl. 33-221.

Mraz, John B. Rim clamping, tire-bead-breaking tool.  
2,901,029, 8-25-59, Cl. 157-117.

Mrij, Jerry R., and F. J. Winchell, to General Motors Corp.  
Parking lock for transmission. 2,875,556, 3-3-59, Cl.  
188-69.

Mros, Fredrick, Jr. Industrial automatic oil burner or the  
like. 2,886,100, 5-12-59, Cl. 158-77.

Mroz, Edmund A. J. Fluid dispensing apparatus. 2,894,664,  
7-14-59, Cl. 222-318.

Mucher, George J., to Clarostat Mfg. Co., Inc. Electrical unit  
mounting assembly. 2,879,363, 3-24-59, Cl. 201-67.

Mucher, George J., to Clarostat Mfg. Co., Inc. Fuse-resistor.  
2,879,364, 3-24-59, Cl. 201-67.

Mucher, George J., and A. R. Joy, to Clarostat Mfg. Co., Inc.  
Contact assembly and control structure. 2,906,984, 9-29-  
59, Cl. 338-171.

Muckenbahr, Oscar W., to General Mills, Inc. Pulse filter  
circuit. 2,910,582, 10-27-59, Cl. 250-27.

Muckter, Heinrich: See—  
Herrling, Siegfried, Keller, and Muckter. 2,876,233.  
Keller, Herbert, and Muckter. 2,891,943.

Mudd, Kenneth C.: See—  
Weinrich, Walter H., Mudd, and Noecker. 2,867,995.

Mudersbach, Ernst, and W. Firgau, to Svenska Rotor  
Maskiner Aktiebolag. Rotary regenerative preheaters for  
gaseous media. 2,873,952, 2-17-59, Cl. 257-6.

Mudge, Parker B. Cross-wind component computer.  
2,901,167, 8-25-59, Cl. 235-61.

Mudge, Ronald A.: See—  
Pauli, Ambrose D., Kelly, and Mudge. 2,889,087.

Mudie, Ronald, to Servomox Controls Ltd. Electric wave gen-  
erating circuit arrangements. 2,879,392, 3-24-59, Cl.  
250-36.

Mudon, Thomas J. Control system for accelerator. 2,868,035,  
1-13-59, Cl. 74-513.

Mudrak, Anton: See—  
Armstrong, Leonard J., and Mudrak. 2,875,083.

Mudry, Jack A. Game field delineator. 2,891,793, 6-23-59,  
Cl. 273-1.

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Muehlbauer, Hubert, and H. Weber, to Badische Anilin- &  
Soda-Fabrik Akt. Production of polymers from olefines.  
2,905,661, 9-22-59, Cl. 260-93.7.

Muehlberger, Frederick G.: See—  
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2,906,199.

Muehleck, Ernest, H. C. Kinney, and R. L. Lanz, Jr., to  
Keasbey & Mattison Co. Apparatus for molding articles  
from material in slurry form. 2,901,808, 9-1-59, Cl.  
25-121.

Muehling, Charles L., and W. A. Tarwid, to American Can  
Co. Container having inhibitor composition on its interior.  
2,914,213, 11-24-59, Cl. 220-64.

Muehlner, Joachim W., to United States of America, Air Force.  
Method of measuring recurrent pulse time intervals.  
2,877,413, 3-10-59, Cl. 324-68.

Muehter, Manfred W.: See—  
Rush, Charles D., and Muehter. 2,876,396.

Mueller, Albert C.: See—  
Shokal, Edward C., and Mueller. 2,895,947.

Mueller, Anthony J.: See—  
Johnson, Thomas H., and Mueller. 2,915,007.  
Johnson, Thomas H., Mueller, and Crittenden. 2,885,958.

Mueller, Anthony J., to Harris-Intertype Corp. Ink fountain.  
2,887,049, 5-19-59, Cl. 101-364.

Mueller, Armand G., to Square D Co. Differential control  
circuits for regulator systems. 2,911,579, 11-3-59, Cl.  
318-270.

Mueller, Carl H., to The McNeil Machine & Engineering Co.  
Lubricating apparatus. 2,872,085, 2-3-59, Cl. 222-376.

Mueller, Carl H., and V. G. Klein, to The McNeil Machine &  
Engineering Co. Lubrication system. 2,908,898, 10-13-59,  
Cl. 340-270.

Mueller, Charles W., to Radio Corp. of America. Method of  
fabricating P-N type junction devices. 2,894,862, 7-14-59,  
Cl. 148-1.5.

Mueller, Charles W., and R. L. Sherwood, to Radio Corp. of  
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same. 2,870,049, 1-20-59, Cl. 148-1.5.

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Mueller, Charles W., and T. D. Taylor, to Union Special  
Machine Co. Sewing machine. 2,889,793, 6-9-59, Cl.  
112-176.



- Mueller Co.: See—  
Bowen, Walter J. 2,867,034.  
Bowen, Walter J. 2,867,243.  
Mueller, Frank H. 2,884,808.  
Mueller, Frank H. 2,907,229.  
Mueller, Frank H., and Bowen. 2,893,465.  
Mueller, Frank H., and Smith. 2,893,274.  
Mueller, Frank H., and Smith. 2,895,352.  
Smith, John J. 2,897,842.  
Webber, Claude H. 2,895,353.  
Mueller, Emil G., to Westinghouse Air Brake Co. Tread brake unit for railway vehicles. 2,870,873, 1-27-59, Cl. 188-33.  
Mueller, Emil G., to Westinghouse Air Brake Co. Packaged brake unit for railway trucks. 2,913,071, 11-17-59, Cl. 188-153.  
Mueller, Ernest G. Animal shocking device. 2,885,610, 5-5-59, Cl. 317-262.  
Mueller, Ervin H. Safety gas valve. 2,879,027, 3-24-59, Cl. 251-292.  
Mueller, Ervin H. Interchangeable double and single gas burner structure. 2,891,608, 6-23-59, Cl. 158-116.  
Mueller, Eugen, D. Fries, and H. Metzger. Production of ketoximes. 2,885,332, 5-5-59, Cl. 204-158.  
Mueller, Eugen, H. Metzger, and D. Fries. Conversion of bis-(nitrosylhydrocarbons) into oximes. 2,885,333, 5-5-59, Cl. 204-158.  
Mueller, Frank H., to Mueller Co. Drive for drilling machine. 2,884,808, 5-5-59, Cl. 74-674.  
Mueller, Frank H., to Mueller Co. Drive for drilling machine. 2,907,229, 10-6-59, Cl. 74-674.  
Mueller, Frank H., and J. J. Smith, to Mueller Co. Tool holder. 2,893,274, 7-7-59, Cl. 77-55.  
Mueller, Frank H., and W. J. Bowman, to Mueller Co. Tool for installation of by-pass assembly for service pipe. 2,893,465, 7-7-59, Cl. 153-79.  
Mueller, Frank H., and J. J. Smith, to Mueller Co. Power drive attachment for drilling machine. 2,895,352, 7-21-59, Cl. 77-344.  
Mueller, Fritz: See—  
Giesen, Johann, and Mueller. 2,916,525.  
Mueller, Gaffron D. Safety ski binding. 2,867,447, 1-6-59, Cl. 280-1135.  
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Lytton, Marion R., and Mueller. 2,908,583.  
Mueller, George P.: See—  
Johns, William F., and Mueller. 2,911,418.  
Mueller, George P., to G. D. Searle & Co. Process for the conversion of steroidal sapogenins to pregnane derivatives. 2,885,411, 5-5-59, Cl. 260-3974.  
Mueller, George P., to G. D. Searle & Co. 3-hydrazino-1,2,4-benzotriazines and 1-oxides thereof. 2,911,406, 11-3-59, Cl. 260-2495.  
Mueller, Herman H.: small interests to various assignees. Tone arm control for the fully automatic or manually controlled playing of intermixed records. 2,900,192, 8-18-59, Cl. 274-10.  
Mueller, Homer L., to American Machine & Foundry Co. Rim for tubeless tire. 2,895,526, 7-21-59, Cl. 152-410.  
Mueller, Homer L., to American Machine & Foundry Co. Rim for tubeless tire. 2,904,096, 9-15-59, Cl. 152-406.  
Mueller, Jakob, to Ciba Ltd. Asymmetrical indigoid dyestuffs. 2,882,277, 4-14-59, Cl. 260-332.  
Mueller, Johannes G., to Well-McLain Co. Supply header for heating units having three-dimensional flexibility. 2,885,226, 5-5-59, Cl. 285-231.  
Mueller, Josef, B. Dolnicki, and J. Manzing, to Elln-Union Aktiengesellschaft für Elektrische Industrie. Transformer with a bell-shaped cover and an on-load-tap-changing device. 2,915,720, 12-1-59, Cl. 336-10.  
Mueller, Margery C.: See—  
Mueller, Richard B. and M. C. 2,901,100.  
Mueller, Martin T.: See—  
Chauvin, David M., and Mueller. 2,892,080.  
Mueller, Max B., and B. S. Penley, to Allied Chemical Corp. Apparatus for moving tubular structures through a processing station. 2,888,710, 6-2-59, Cl. 18-1.  
Mueller, Ralph L., and W. G. Stieritz; said Mueller assor. to Western Electric Co., Inc. said Stieritz assor. to Bell Telephone Laboratories, Inc. Gaseous discharge device. 2,899,588, 8-11-59, Cl. 313-209.  
Mueller, Richard B. and M. C. Lipstick applicator and package. 2,901,100, 8-25-59, Cl. 206-56.  
Mueller, Richard J., to Automatic Canteen Co. of America, Inc. Apparatus for circulating a liquid through a body of solids. 2,911,902, 11-10-59, Cl. 99-289.  
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Mueller, Robert J.: See—  
Kizaur, Arthur J., and Mueller. 2,890,346.  
Mueller, William E. Water closet. 2,879,519, 3-31-59, Cl. 4-10.  
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Muench, Carl G. Mobile sprinkler. 2,883,116, 4-21-59, Cl. 239-191.  
Muench, Nils L., to Jersey Production Research Co. Apparatus for pulsing a scintillation detector. 2,911,535, 11-3-59, Cl. 250-71.  
Muench, Walter, to Walter Muench, Inc. Device for dressing bevels on grinding wheels. 2,902,024, 9-1-59, Cl. 125-11.  
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Muench, Walter. 2,902,024.
- Muench, Werner: See—  
Wegener, Harry, Brunl, Notarbartolo, and Muench. 2,877,495.  
Muench, Werner, E. Ruoti, and G. Silvestri, to Sna Viscosa Società Nazionale Industria Applicazioni Viscosa Società S.p.A. Process for preparing nitriles. 2,904,579, 9-15-59, Cl. 260-465.  
Muench, Werner L. Notarbartolo, and E. Crosio, to Sna Viscosa Società Nazionale Industria Applicazioni Viscosa S.p.A. Process and apparatus for separating and purifying condensations products. 2,887,470, 5-19-59, Cl. 260-78.  
Muenger, James R., and H. I. Wilson, to The Texas Co. Method and apparatus for reducing vapor lock tendencies of air conditioned automobiles. 2,885,565, 5-12-59, Cl. 62-98.  
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Muetterties, Earl L., to E. I. du Pont de Nemours and Co. Pyrolysis to pyrosulfuryl fluoride. 2,879,138, 3-24-59, Cl. 23-203.  
Muetterties, Earl L., to E. I. du Pont de Nemours and Co. Synthesis of sulfur hexafluoride. 2,883,267, 4-21-59, Cl. 23-205.  
Muetterties, Earl L., to E. I. du Pont de Nemours and Co. Synthesis of ariylboron halides. 2,900,414, 8-18-59, Cl. 260-543.  
Muetterties, Earl L., W. D. Phillips, and W. C. Smith, to E. I. du Pont de Nemours and Co. Sulfur tetrafluoride adducts. 2,897,055, 7-28-59, Cl. 23-205.  
Muffy, Gary, to Gulf Research & Development Co. Method of converting magnetic recordings to visual images by use of radioactive magnetic materials. 2,890,345, 6-9-59, Cl. 250-65.  
Muffy, Glenn. Defrosting control in refrigeration system. 2,894,374, 7-14-59, Cl. 62-153.  
Mugele, Friedrich, to Dr. Leifeldt & Co., G. m. b. H. Circuit for displaying ultrasonic energy signals. 2,871,404, 1-27-59, Cl. 315-26.  
Muggleton, Peter W., and J. Ungar, to Glaxo Laboratories Ltd. Use of dextran in freeze-drying process. 2,908,614, 10-13-59, Cl. 167-78.  
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Muhn, Lester M. Operator for louver type windows. 2,910,743, 11-3-59, Cl. 20-62.  
Muh, John. Self-storing interengaging louvers. 2,874,771, 2-24-59, Cl. 160-33.  
Mulch, George, and D. K. Crockett, to Hughes Aircraft Co. Acceleration responsive control surface control limiting system for aircraft. 2,869,804, 1-20-59, Cl. 244-77.  
Mulch, George, Jr.: See—  
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Bell, John, and Tucker. 2,908,540.  
Ferguson, Robert S. 2,911,634.  
Full, John V., Sieber, and Kirchel. 2,883,453.  
Wheeler, Douglas W. E. 2,911,464.  
Muirhead, George J., to The English Electric Co. Ltd. Control of fluid driven power supply systems. 2,903,600, 9-8-59, Cl. 290-40.  
Mukherjee, Sudhir L., ½ to Albert David, Ltd. Preparation of isonicotinic acid hydrazide. 2,891,067, 6-16-59, Cl. 260-295.  
Mulan, Rudolph A. Ball and socket swivel for an electric light receptacle. 2,910,310, 10-27-59, Cl. 285-91.  
Mulbarger, Francis A., to United States Rubber Co. Tubeless tire bead seating device. 2,889,870, 6-9-59, Cl. 157-121.  
Mulcahy, Harry W., to W. H. Miner, Inc. Draft gears for railway draft rigging. 2,880,886, 4-7-59, Cl. 213-45.  
Mulcahy, Harry W., to W. H. Miner, Inc. Draft gear. 2,884,141, 4-28-59, Cl. 213-45.  
Mulcahy, Harry W., to W. H. Miner, Inc. Draft gears for railway draft rigging. 2,893,569, 7-7-59, Cl. 213-44.  
Mulcahy, Harry W., to W. H. Miner, Inc. Draft gear for railway draft rigging. 2,893,570, 7-7-59, Cl. 213-44.  
Mulcahy, Harry W., to W. H. Miner, Inc. Rubber draft gears. 2,893,571, 7-7-59, Cl. 213-45.  
Mulcahy, Harry W., to Enterprise Railway Equipment Co. Bottom-discharging hopper closure assembly. 2,914,000, 11-24-59, Cl. 105-250.

- Mulcahy, Raymond W., to Harris-Intertype Corp. Registering means for multicolor printing. 2,902,770, 9-8-59, Cl. 33-1845.  
Mulch, Hans, to Ernst Leitz, G.m.b.H., Optische Werke. Slide changer. 2,878,604, 3-24-59, Cl. 40-79.  
Mulder, Allan C., to Miller Electric Mfg. Co. Arc welding machine. 2,880,374, 3-31-59, Cl. 315-207.  
Mulder, Allan C., to Miller Electric Mfg. Co. Magnetically controlled variable current transformer. 2,891,210, 6-16-59, Cl. 321-19.  
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Mulder, Harry. Adjustable wheel. 2,902,319, 9-1-59, Cl. 301-128.  
Mulder, Johannes G. W., to North American Philips Co., Inc. Electric discharge tube. 2,869,013, 1-13-59, Cl. 313-170.  
Mulders, Cornelis E., and B. Visser, to Staatsbedrijf der Posterijen, Telegrafie en Telefonie. Packet position detecting system. 2,894,626, 7-14-59, Cl. 209-111.  
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Mulhern, William A., to Gar Wood Industries, Inc. Wheel trim attachment. 2,899,240, 8-11-59, Cl. 301-37.  
Mulholland, Hugh M. Wash hanging devices. 2,914,187, 11-24-59, Cl. 211-13.  
Mulholland, James R. Textile ring and lubrication therefor. 2,905,269, 9-22-59, Cl. 184-7.  
Mulhach, Steven. Retractable hard top convertible. 2,869,923, 1-20-59, Cl. 296-117.  
Mulick, Michael. Pressure-control valve for salvage operations and the like. 2,911,003, 11-3-59, Cl. 137-508.  
Mullins, Michael G., to Commercial Solvents Corp. Cyclohexene-pyridoxine composition. 2,894,874, 7-14-59, Cl. 167-65.  
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Mull, Bruce D., and F. F. Parke, Jr. to E. D. Farley. Adjustable support for lights and the like. 2,919,098, 12-29-59, Cl. 248-324.  
Mull, Robert P., to Ciba Pharmaceutical Products, Inc. Heterocyclic-loweralkanoamidoxime compounds. 2,897,195, 7-28-59, Cl. 260-239.  
Mullaney, William J., and G. F. Albright, to O. N. Wanek. Electric arc furnace and the process of preparing castings. 2,881,480, 4-14-59, Cl. 22-200.  
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Mullen, Melvin Z., ½ to J. G. Lubelle and ½ to L. C. Silverman. Apparatus for forming tubular structures in glassware. 2,869,286, 1-20-59, Cl. 49-7.  
Mullen, Thomas W. Tubeless tire bead repair. 2,884,041, 4-28-59, Cl. 152-362.  
Mullen, Thomas W., and R. E. Humphreys. Mirror hinged support. 2,904,290, 9-15-59, Cl. 248-28.  
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Muller, Albert, to Air Reduction Co., Inc. Gas shielded arc cutting. 2,867,713, 1-6-59, Cl. 219-69.  
Muller, Albert, and C. R. Felmley, Jr., to Air Reduction Co., Inc. Welding wire for low alloy steels and resulting weld. 2,913,814, 11-24-59, Cl. 29-196.1.  
Muller, Albert, and C. R. Felmley, Jr., to Air Reduction Co., Inc. Welding wire for low alloy steels and resulting weld. 2,913,815, 11-24-59, Cl. 29-196.1.  
Muller, Alex C., 50% to A. W. Moser. Single lens reflex camera. 2,895,394, 7-21-59, Cl. 95-42.  
Müller, Alois, and F. Gyll, to Permac A.G. Method for producing a bag-shaped packing and device for carrying out this method. 2,908,123, 10-13-59, Cl. 53-29.  
Muller, Burdette A.: See—  
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Muller, Carl-Heinz: See—  
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Klockgether, Helfried, Müller, and Ossenbrunner. 2,874,046.  
Muller, Franz, and L. H. Winners, to Klockner-Humboldt-Deutz A.G. Screw conveyor apparatus. 2,884,145, 4-28-59, Cl. 214-17.  
Müller, Franz E., to P. O. Tobler, d.b. under the name of Trans-Oceanic. Illuminated advertising displays. 2,885,805, 5-12-59, Cl. 40-33.  
Müller, Friedrich, to Berliner Maschinenbau A.G. vormalis L. Schwartzkopf. Switching device for the automatic electric control of the feed mechanism of a fancy doubler. 2,881,585, 4-14-59, Cl. 57-91.  
Müller, Friedrich, and H. Goldbrunner. Measuring apparatus. 2,910,775, 11-3-59, Cl. 33-46.  
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Lee, Pyungtoo W., and Müller. 2,895,050.  
Müller, George H., to Ford Motor Co. Motor vehicle drive-line mounting. 2,876,855, 3-10-59, Cl. 180-70.  
Müller, George H., to Ford Motor Co. Fluid pressure suspension for motor vehicles. 2,916,296, 12-8-59, Cl. 280-124.  
Müller, George H., and A. G. Spear, Jr., to Ford Motor Co. Seat vest jacket. 2,908,324, 10-13-59, Cl. 155-189.  
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- Müller, Rudolf A., to United States of America, Army. Thermionic device. 2,869,012, 1-13-59, Cl. 313-157.
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- Mullin, Clayton D., and J. F. Rose, to Malco Electronics, Inc. Temple construction. 2,904,639, 9-15-59, Cl. 179-107.
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- Mullin, John T., to Minnesota Mining & Mfg. Co. Tape drive mechanism. 2,913,192, 11-17-59, Cl. 242-55.11.
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- Mullins, Elwood H., and J. I. Bowen, to United States of America, Navy. Generating device. 2,892,412, 6-30-59, Cl. 102-70.2.
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- Mulvenna, Elmer, to S. C. Johnson & Son. Detachable clip. 2,896,810, 7-28-59, Cl. 220-23.4.
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- Munch, Walter, Jr., to The Baldwin Piano Co. Percussive circuit and assembly. 2,918,576, 12-22-59, Cl. 250-27.
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- Munford, Theodore W., to Surface Combustion Corp. Furnace conveyor system. 2,883,171, 4-21-59, Cl. 263-6.
- Mungen, Richard, to Pan American Petroleum Corp. Separation of solids from gases. 2,896,745, 7-28-59, Cl. 183-122.
- Munger, Elbert E., Jr. Telephone answering device. 2,877,303, 3-10-59, Cl. 179-8.
- Mungovan, Francis P. Removable head rest for vehicles. 2,897,878, 8-4-59, Cl. 155-174.
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- Munro, Donald H., Jr.: See—  
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- Munro, Robert W., to The Griscom-Russell Co. Desuperheater construction for heat exchanger. 2,910,275, 10-27-59, Cl. 257-43.
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- Munson, Chester L., to The Louis Allis Co. Air-cooled eddy current coupler device. 2,908,834, 10-13-59, Cl. 310-105.
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- Murata, Kwanji. Sulfur dioxide-acetic acid reaction product. 2,903,481, 9-8-59, Cl. 260-545.
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- Muren, Albert P., Jr.: See—  
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- Murphy, Wilbur A., to E. I. du Pont de Nemours and Co. Process for preparing fiber-forming polythioesters by interfacial condensation polymerization. 2,870,126, 1-20-59, Cl. 260-78.5.
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- Murphy, Andrew H.: See—  
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- Murphy, Brian J. M., to United Shoe Machinery Corp. Work supports for shoe machines. 2,892,199, 6-30-59, Cl. 12-86.7.
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- Murphy, Charles T. Animal trap. 2,916,847, 12-15-59, Cl. 43-61.
- Murphy, Cornelius M., to Allied Chemical Corp. Process for manufacture of anhydrous, heavy metal-free sulfites. 2,899,273, 8-11-59, Cl. 23-129.
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- Murphy, Edward C., to Western Electric Co., Inc. Cushioned valves. 2,916,019, 12-8-59, Cl. 121-46.5.
- Murphy, Edward J., to Sperry Rand Corp. Amplitude modulator for microwaves. 2,880,399, 3-31-59, Cl. 333-81.
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- Murphy, Eugene E., to American Brake Shoe Co. Hydraulic generator drive. 2,910,013, 10-27-59, Cl. 105-96.1.
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- Murphy, Frank R. Laterally adjustable mop with pivoted brace means. 2,903,730, 9-15-59, Cl. 15-229.
- Murphy, Frank V., 1/4 to T. J. Murphy, 1/4 to L. J. Murphy, 1/4 to F. G. Murphy, 1/4 to G. A. Murphy, 1/4 to K. V. Murphy, and 1/4 to J. W. Murphy. Snow clearing implement. 2,891,330, 6-23-59, Cl. 37-53.
- Murphy, Frank W. Magnetically controlled fuel valve. 2,875,617, 3-3-59, Cl. 74-2.
- Murphy, George A.: See—  
Murphy, Frank V. 2,891,330.
- Murphy, George B. Refrigeration system. 2,914,924, 12-1-59, Cl. 62-174.
- Murphy, George E. Weatherproof padlock. 2,904,985, 9-22-59, Cl. 70-51.
- Murphy, George T., to A. J. Gerrard & Co. Car loading retaining strip and lock therefor. 2,890,747, 6-16-59, Cl. 160-368.
- Murphy, Goodrich K., to The Budd Co. High capacity private compartment passenger vehicle. 2,914,001, 11-14-59, Cl. 103-315.
- Murphy, Goodrich K., to The Budd Co. High capacity private compartment passenger vehicle. 2,914,002, 11-24-59, Cl. 103-315.
- Murphy, Harold P., and A. L. Levine, to The Electric Storage Battery Co. Alkaline storage battery. 2,880,257, 3-31-59, Cl. 136-29.
- Murphy, Howard: See—  
Mergen, Joseph M., and Murphy. 2,887,200.



- Murphy, Howard J., to United-Carr Fastener Corp. Hose clamp. 2,876,514, 3-10-59, Cl. 24-20.
- Murphy, Howard J., to United-Carr Fastener Corp. Tube shield. 2,902,533, 9-1-59, Cl. 174-35.
- Murphy, Howard J., to United-Carr Fastener Corp. Captivated tube shield. 2,908,742, 10-13-59, Cl. 174-35.
- Murphy, Jeremiah T., Sand and gravel drying machine. 2,899,070, 8-11-59, Cl. 210-523.
- Murphy, John F., and E. H. Uhing, to Swift & Co. Method of processing egg albumen. 2,892,720, 6-30-59, Cl. 99-113.
- Murphy, John R.: See—
- O'Malley, Vincent J., and Murphy. 2,886,002.
- Murphy, Joseph W.: See—
- Murphy, Frank V. 2,891,330.
- Murphy, Katherine M., Aprons. 2,907,042, 10-6-59, Cl. 2-48.
- Murphy, Kathleen V.: See—
- Murphy, Frank V. 2,891,330.
- Murphy, L. R., Scale Co.: See—
- Murphy, Leslie R. 2,869,855.
- Murphy, Laurence W., to Geo. A. Hormel & Co. Apparatus and process for facilitating slaughter and for bleeding slaughter animals. 2,895,164, 7-21-59, Cl. 17-45.
- Murphy, Leo J.: See—
- Murphy, Frank V. 2,891,330.
- Murphy, Leslie R., to L. R. Murphy Scale Co. Extensible scale platform for weighing trucks and the like. 2,889,855, 1-20-59, Cl. 265-71.
- Murphy, Marion D., Ventilated block wall. 2,868,010, 1-13-59, Cl. 72-127.
- Murphy, Mary E.: See—
- Chaplin, Earl C., and Murphy. 2,916,392.
- Murphy, Maynard J., and R. J. Holton. Loose leaf binder. 2,879,772, 3-31-59, Cl. 129-1.
- Murphy, Melvin H., to Brubaker Electronics, Inc. Delay line test means and techniques. 2,889,515, 6-2-59, Cl. 324-57.
- Murphy, Nelson F.: See—
- Doumas, Arthur C., and Murphy. 2,902,416.
- Murphy, Norman B., to Bendix Aviation Corp. Signal transmitter with manual control comprising inductive device. 2,894,230, 7-7-59, Cl. 336-30.
- Murphy, Orlando J.: See—
- Henning, Harley A., and Murphy. 2,886,802.
- Murphy, Orlando J., to Bell Telephone Laboratories, Inc. Magnetic storage and reproduction system. 2,886,800, 5-12-59, Cl. 340-174.
- Murphy, Owen K., Motor operated kinesitherapy device. 2,917,043, 12-15-59, Cl. 128-33.
- Murphy, Patrick J., to Schneithorst Catering Co. Wrapped sandwiches and wrapper therefor. 2,893,876, 7-7-59, Cl. 99-171.
- Murphy Radio Ltd.: See—
- Fairhurst, Harold A. 2,908,746.
- Murphy, Raymond J., to Fred Medart Mfg. Co. Power actuated movers for telescoping gymnasium seat-structures. 2,898,639, 8-11-59, Cl. 20-1126.
- Murphy, Richard C.: See—
- Fresh, John N., and Murphy. 2,881,444.
- Stelter, Francis C. W. 2,884,623.
- Murphy, Richard J., J. L. Phillips, and W. S. Pakko, to Boeing Airplane Co. Dry Ice sealant guns. 2,872,083, 2-3-59, Cl. 222-327.
- Murphy, Richard P., to Bell Telephone Laboratories, Inc. Two-way photoelectric translator. 2,894,255, 7-7-59, Cl. 340-347.
- Murphy, Robert W., to International Business Machines Corp. Magnetic display device. 2,875,537, 3-3-59, Cl. 40-52.
- Murphy, Thomas: See—
- Murphy, Edwin W. 2,881,910.
- Murphy, Thomas J.: See—
- Murphy, Frank V. 2,891,330.
- Murphy, Thomas J., to Gadget-Of-The-Month Club, Inc. Shave indicating device. 2,885,993, 5-12-59, Cl. 116-133.
- Murphy, Venus R., Shoe with changeable elements. 2,873,540, 2-17-59, Cl. 36-25.
- Murphy, William A., Swimming pool cover. 2,912,703, 11-17-59, Cl. 4-172.
- Murphy, William P., Jr., to Dade Reagents, Inc. Process for making tubes. 2,876,496, 3-10-59, Cl. 18-56.
- Murray, Edmund S., to Morgan Construction Co. Apparatus for measuring sheared lengths. 2,867,908, 1-13-59, Cl. 33-141.
- Murray, Alan E., Form-fitting footwear. 2,868,197, 1-13-59, Cl. 128-153.
- Murray, Alan E., Process of foot casting. 2,877,502, 3-17-59, Cl. 18-55.05.
- Murray, Alan E., Foot casting process. 2,887,727, 5-26-59, Cl. 18-55.05.
- Murray, Alan E., Skating shoe. 2,904,902, 9-22-59, Cl. 36-25.
- Murray, Alan E., Foot casts and process of making the same. 2,913,771, 11-24-59, Cl. 18-55.05.
- Murray, Arthur E., 40% to E. T. Cassidy, and 20% to J. F. Rodriguez, Perfume diffuser. 2,898,649, 8-11-59, Cl. 20-120.
- Murray, Clyde E., Polish rod adjuster device. 2,886,975, 5-19-59, Cl. 74-108.
- Murray Co. of Texas, Inc.: See—
- Belezos, Stratis G. 2,917,947.
- Schumb, Martin T. 2,868,031.
- Murray Corp. of America, The: See—
- Engel, J. Anthony, and Lamkin. 2,875,526.
- Etherington, John F. 2,890,580.
- Flannery, John P. 2,886,900.
- Guild, Lurelle V. A. 2,867,488.
- Hullar, Herbert E. 2,867,430.
- Hullar, Herbert E. 2,875,996.
- Landwiler, William G. 2,867,105.
- Leach, Hugh K. 2,909,050.
- May, Claude H. 2,900,207.
- Reiley, George L. 2,895,230.
- Murray, Donald A.: See—
- Toland, Wayne G., and Murray. 2,913,059.
- Murray, Donald A., to International Harvester Co. Wheel controlled harrow. 2,869,305, 1-20-59, Cl. 55-73.
- Murray, Donald R.: See—
- Forrest, Harry D., and Murray. 2,904,896.
- Murray, Edgar T.: See—
- Middleton, William H. 2,890,756.
- Murray, Edward A., and R. W. McCullough, to Deering Milliken Research Corp. Textile process. 2,907,094, 10-6-59, Cl. 28-76.
- Murray, Franklin C., Transmission belt. 2,884,797, 5-5-59, Cl. 74-233.
- Murray, Frederick R., to Rolls-Royce Ltd. Gas turbine combustion equipment construction. 2,913,873, 11-24-59, Cl. 60-39.69.
- Murray, Herbert C.: See—
- Fonken, Gunther S., and Murray. 2,913,457.
- Murray, Herbert C., and D. H. Peterson, to The Upjohn Co. Process for the production of 10-hydroxy-19-nortestosterone by rhizopus. 2,888,384, 5-26-59, Cl. 195-51.
- Murray, Herbert C., and P. D. Meister, to The Upjohn Co. 15-hydroxylation of steroids by Gibberella and Fusarium. 2,889,255, 6-2-59, Cl. 195-51.
- Murray, Herbert C., and O. K. Sebek, to The Upjohn Co. Use of second steroid to accelerate 1-dehydrogenation of substrate steroid. 2,902,411, 9-1-59, Cl. 195-51.
- Murray, Hugh A., Sr., to I. D. L. Inc. Portable traffic marker. 2,898,579, 8-11-59, Cl. 116-63.
- Murray, James S., to General Telephone Laboratories, Inc. Continuous or intermittent telephone traffic registering system. 2,882,340, 4-14-59, Cl. 179-85.
- Murray, James S., to General Telephone Laboratories, Inc. Automatic router for selector and connector switches. 2,914,624, 11-24-59, Cl. 179-175.21.
- Murray, James V., Jr.: See—
- Lampert, Bernard B., Murray, and Peck. 2,910,518.
- Murray, James V., Jr., J. D. Fales, and M. A. Eccles, to Union Carbide Corp. Hydrogenolysis of coal hydrogenation products. 2,913,397, 11-17-59, Cl. 208-107.
- Murray, James V., Jr., J. D. Fales, and C. H. Young, to Union Carbide Corp. Recovery of indoles. 2,916,497, 12-8-59, Cl. 260-319.
- Murray, Jerome L., Servo drive power steering mechanism and the like. 2,893,359, 7-7-59, Cl. 121-41.
- Murray, John F.: See—
- Aspelin, Leslie L., and Murray. 2,876,705.
- Aspelin, Leslie L., Murray, and Lorenz. 2,887,058.
- Murray, John F., and J. A. Wotring, to Thompson Products, Inc. Bushing for pressure loaded gear pump having a tapered journal surface. 2,870,719, 1-27-59, Cl. 103-126.
- Murray, John F., to Thompson Products, Inc. Pressure loaded pump construction. 2,881,704, 4-14-59, Cl. 103-5.
- Murray, John F., and D. L. Lorenz, to Thompson Ramo Wooldridge Inc. Movable bushing for pressure loaded gear pumps. 2,891,483, 6-23-59, Cl. 103-126.
- Murray, John G.: See—
- Carroll, John E., and Murray. 2,873,356.
- Murray, John M., to Grant-Murray, Inc. Smoke producing display device. 2,885,807, 5-12-59, Cl. 40-106.22.
- Murray Mfg. Corp.: See—
- Braunack, Charles F. 2,897,316.
- Braunack, Charles F. 2,918,554.
- Braunack, Charles F. 2,919,325.
- Brunner, Carl. 2,875,289.
- Kobryner, Herman H. 2,877,919.
- Kobryner, Herman H. 2,907,849.
- Phelps, George H. 2,872,656.
- Rypinski, Albert B., Smith, Brunner, and Laverty. 2,890,306.
- Murray, Maxton F., to The Upjohn Co. Erythromycin salts. 2,870,138, 1-20-59, Cl. 260-210.
- Murray, Maxton F., to The Upjohn Co. Salicylic acid 2,6-dimethyl-4-n-propoxybenzoate. 2,874,181, 2-17-59, Cl. 260-473.
- Murray, Maxton F., to The Upjohn Co. Cycloheximide thiosemicarbazone. 2,885,320, 5-5-59, Cl. 167-33.
- Murray, Maxton F., to The Upjohn Co. Alkyl hydrazones of cycloheximide. 2,894,871, 7-14-59, Cl. 167-33.
- Murray, Maxton F., to The Upjohn Co. Cycloheximide  $\beta$ -keto-carboxylic acid esters. 2,894,872, 7-14-59, Cl. 167-33.
- Murray, Michael F.: See—
- Dickson, Clifford C. 2,901,027.
- Murray Ohio Mfg. Co., The: See—
- Douglas, Alvin P., Golrick, and Skerl. 2,899,030.
- Douglas, Alvin P., and Hahn. 2,897,687.
- Hahn, Gilbert B. 2,912,255.
- Murray, Peter B.: See—
- Mills, Ivor W., and Murray. 2,915,460.

- Murray, Peter B., to Sun Oil Co. Dehydrogenation of hydrocarbons. 2,867,677, 1-6-59, Cl. 260-673.5.
- Murray, Peter B., to Sun Oil Co. Polymerization of olefins with copper acetylde, silver acetylde or mercury acetylde catalyst. 2,890,212, 6-9-59, Cl. 260-93.7.
- Murray, Victor S., Supported concrete floor and conduits. 2,870,623, 1-27-59, Cl. 72-70.
- Murray, Wallace J., to Arthur D. Little, Inc. Vapor phase corrosion inhibition. 2,914,424, 11-24-59, Cl. 117-108.
- Murray, William: See—
- Moore, James W. 2,875,014.
- Murray, William. Combined fluid and contact seal. 2,873,986, 2-17-59, Cl. 286-10.
- Murray, William S., and J. R. Dyer, Jr., to The Indium Corp. of America. Printed circuits and method of soldering the same. 2,909,833, 10-27-59, Cl. 29-155.5.
- Murray, William Y.: See—
- Davey, Edward L., and Murray. 2,897,253.
- Murrell, Harvey S., Tapered tube forming and applying mechanism. 2,867,956, 1-13-59, Cl. 53-296.
- Murrey, Orville E., Side boom for tractors. 2,885,092, 5-5-59, Cl. 212-8.
- Murro, Halm. Attachment for tone arm control in automatic record players. 2,885,267, 5-26-59, Cl. 274-15.
- Murtaugh, Joseph P., to American Brake Shoe Co. Retaining key for dipper tooth parts having resilient pad. 2,870,667, 1-27-59, Cl. 85-8.3.
- Murtaugh, Justin J., and I. Caldas, Jr., to Schenley Industries, Inc. Process for the production of dry streptomycin trihydrochloride. 2,882,270, 4-14-59, Cl. 260-210.
- Murtaugh, Justin J., M. E. Lavrich, D. G. Ruff, C. J. Krueck, and J. E. Grant, to Blatz Brewing Co. Method of extracting hops. 2,898,209, 8-4-59, Cl. 99-50.5.
- Murty, Kenneth T., to Chance Vought Aircraft, Inc. Silencer. 2,882,993, 4-21-59, Cl. 181-69.
- Murway, Edward: See—
- Schwendemann, Edward T., Sadowsky, and Murway. 2,894,856.
- Musaphia, Georges. Animated optical viewer. 2,918,844, 12-29-59, Cl. 88-24.
- Muschalek, Ben E., Jr. Smoke increasing attachment for walking beam. 2,877,652, 3-17-59, Cl. 74-41.
- Muschalek, Ben E., Jr. Shaft bearing. 2,916,338, 12-8-59, Cl. 308-237.
- Muschong, Peter W.: See—
- Duenke, Clarence G., and Muschong. 2,906,976.
- Muse, John E., to Baker Oil Tools, Inc. Apparatus for automatically filling well conduits with fluid. 2,874,785, 2-24-59, Cl. 166-225.
- Muse, Paschal: See—
- Culpepper, Albert D. 2,919,013.
- Musgrave, Albert W., Apparatus for describing homothetic geometrical figures. 2,874,473, 2-24-59, Cl. 33-24.
- Musgrave, Barrington L., to A. C. Nolte. Electric heating devices and the like. 2,889,439, 6-2-59, Cl. 219-19.
- Musgrave, Daniel D., Machine gun. 2,883,911, 4-28-59, Cl. 89-161.
- Musgrave, Daniel D., Bomb-racks. 2,896,509, 7-28-59, Cl. 89-15.
- Musgrave, John M., Illuminated fountain display. 2,879,944, 3-31-59, Cl. 239-20.
- Musgrave, Orly. Power lawn mower. 2,891,370, 6-23-59, Cl. 56-25.4.
- Musgrave, William K. R., to United States of America, Atomic Energy Commission. Separation of uranium from thorium and protactinium. 2,892,677, 6-30-59, Cl. 23-14.5.
- Mushovic, Peter, and H. W. Schultz, to General Motors Corp. Method for making composite stock. 2,879,587, 3-31-59, Cl. 29-488.
- Mushynski, Joseph. License plate holders. 2,916,842, 12-15-59, Cl. 40-202.
- Muscat, Louis, to National Radiac, Inc. Neutron detector. 2,880,326, 3-31-59, Cl. 250-71.5.
- Musiel, Leo: See—
- Hammen, Heinrich, and Musiel. 2,867,545.
- Muskat, Irving E., and J. J. Klein, to Filter Bond Corp. Foamable pad and method of making same. 2,879,197, 3-24-59, Cl. 154-137.
- Muskegon Piston Ring Co.: See—
- Endres, Donald M., and Shepard. 2,904,377.
- Hamm, Douglas W. 2,886,384.
- Hamm, Douglas W. 2,907,101.
- Hamm, Douglas W. 2,910,334.
- Meyer, Walter W., Hicks, and Dolhun. 2,888,280.
- Shepard, Ralph M. 2,904,376.
- Muslin, Louis: See—
- Haffiger, Franz, and Muslin. 2,905,693.
- Musolf, Gunter F., to Radio Corp. of America. Automatic iris control for television cameras. 2,898,536, 8-4-59, Cl. 318-290.
- Muss, Daniel R., and R. L. Longini, to Westinghouse Electric Corp. Modulator. 2,879,481, 3-24-59, Cl. 332-52.
- Musselman, Andrew J., Metallic door construction. 2,877,876, 3-17-59, Cl. 189-46.
- Musselman, Glenn H., to United States of America, Navy. Cycle matching receiver. 2,882,526, 4-14-59, Cl. 343-103.
- Musser, C. Walton: See—
- Dietsch, Frank W., and Musser. 2,876,679.
- Moldofsky, Matthew, Musser, and Stott. 2,902,933.
- Musser, C. Walton, to United States of America, Army. Recoilless gun having radially movable breech sectors. 2,874,614, 2-24-59, Cl. 89-1.7.
- Musser, C. Walton, to United States of America, Army. Quick detachable connection between a gun and its mount. 2,882,797, 4-21-59, Cl. 89-27.
- Musser, C. Walton, to United Shoe Machinery Corp. Strain wave rotary valve. 2,883,150, 4-21-59, Cl. 251-340.
- Musser, C. Walton, to United States of America, Army. Trigger release mechanism for a plurality of guns. 2,895,381, 7-21-59, Cl. 89-27.
- Musser, C. Walton. Tolerance measurement on small bearings. 2,906,116, 9-29-59, Cl. 73-67.
- Musser, C. Walton, to United Shoe Machinery Corp. Strain wave gearing. 2,906,143, 9-29-59, Cl. 74-640.
- Musser, C. Walton, to United States of America, Army. Quick detachable gun supporting tripod. 2,906,176, 9-29-59, Cl. 89-40.
- Musser, C. Walton. Pump. 2,910,006, 10-27-59, Cl. 103-149.
- Musser, C. Walton, and L. W. Insetta. Positioning and housing of crusher gauges. 2,870,631, 1-27-59, Cl. 73-167.
- Musser, C. Walton, and F. W. Dietsch, to United States of America, Army. Remote control fluid pressure responsive actuator. 2,873,648, 2-17-59, Cl. 89-1.
- Musser, C. Walton, A. M. Stott, and A. Benditt, to United States of America, Army. Head for cartridge actuated catapult. 2,883,909, 4-28-59, Cl. 89-1.
- Musser, C. Walton, and S. Greenberg, to United States of America, Army. Combined adjustable support and object releasably interlocked therewith. 2,889,628, 6-9-59, Cl. 33-48.
- Musser, Clair O., Toy musical instrument. 2,871,746, 2-3-59, Cl. 84-405.
- Musser, Clair O., Toy piano having key mounted tone bars. 2,873,639, 2-17-59, Cl. 84-404.
- Musser, David M., and Zocollillo, to Refined Products Corp. Phenyl mercury compounds. 2,867,563, 1-6-59, Cl. 167-30.
- Musser, Jay C., to Klein Chocolate Co. Chocolate foam topping and method. 2,883,286, 4-21-59, Cl. 99-139.
- Musser, Samuel J.: See—
- Underwood, Gerald E., and Musser. 2,889,243.
- Musser, Samuel J., and G. E. Underwood, to The Upjohn Co. Anti-viral composition comprising a cyclic glyoxal, and method of use. 2,893,912, 7-7-59, Cl. 167-30.
- Mussett, Clarence W., Stacking device. 2,894,648, 7-14-59, Cl. 214-6.
- Mussio, Victor P.: See—
- Vidal, Antoine, and Mussio. 2,892,897.
- Musson, Harry R., to Keeprite Products Ltd. Winter control valve arrangement in refrigerating system. 2,874,550, 2-24-59, Cl. 62-196.
- Mussulman, Wayne C.: See—
- Liggett, Robert W., Mussulman, Rentshler, and Ziffer. 2,881,115.
- Lockmiller, Noel R., Mussulman, and Turner. 2,881,075.
- Mustee, Bernard E., to E. L. Mustee & Sons, Inc. Door balance and limit device. 2,910,336, 10-27-59, Cl. 312-328.
- Mustee, E. L., & Sons, Inc.: See—
- Mustee, Bernard E. 2,910,336.
- Mustoe, Robert M., to United States Gypsum Co. Sound absorbing units and method of making same. 2,882,990, 4-21-59, Cl. 181-33.
- Muszynski, Francis. Duck decoy. 2,917,857, 12-22-59, Cl. 49-3.
- Muszynski, Richard S., Motor. 2,893,210, 7-7-59, Cl. 60-97.
- Mutchnik, Henry. Wedge fastener assemblies. 2,871,077, 1-27-59, Cl. 311-110.
- Mutchnik, Henry. Laterally moving furniture leg fastener. 2,882,110, 4-14-59, Cl. 311-112.
- Muter Co., The: See—
- Novak, James F. 2,900,040.
- Williams, Philip B. 2,905,260.
- Muth, Robert C., and G. W. Hegel, to General Electric Co. Temperature varying means. 2,869,939, 1-20-59, Cl. 308-77.
- Muto, Anthony D.: See—
- Kostolecki, John F., and Muto. 2,905,275.
- Muto, Chojiro: See—
- Noguchi, Yukio, Nakatomi, and Muto. 2,917,401.
- Muto, Frank: See—
- Scardamalia, Theodore G., and Muto. 2,883,097.
- Mutt, Viktor: See—
- Jorpes, Johan E., Mutt, Rastgeldi, and Linden. 2,878,159.
- Muttart, Vincent, to Independent Lock Co. Pin tumbler lock. 2,877,638, 3-17-59, Cl. 70-224.
- Muttart, Vincent, to Independent Lock Co. Turnbutton assembly for cylindrical locks. 2,885,850, 5-12-59, Cl. 70-146.
- Mutter, John F., Anti-recoil gun barrels. 2,916,970, 12-15-59, Cl. 89-14.
- Mutter, Walter E.: See—
- Rochester, Nathaniel, Johnson, Amdahl, and Mutter. 2,889,535.
- Mycalex Corp. of America: See—
- Hessinger, Philip S. 2,897,573.
- Mycalex Electronics Corp. of America: See—
- Monack, Albert J. 2,903,826.
- Myek, Edward A., Jr., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,885,187, 5-5-59, Cl. 257-3.
- Myek, Edward A., Jr., and R. T. Osen, to Minneapolis-Honeywell Regulator Co. Control apparatus for a plurality of condition changing devices. 2,902,220, 9-1-59, Cl. 236-1.



- Myer, Jay L., to Minneapolis-Honeywell Regulator Co. Constituent potential measuring apparatus. 2,909,919, 10-27-59, Cl. 73-23.
- Myer, Jon H.: See—  
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- Myer, Jon H., to Hughes Aircraft Co. Loop contact for semiconductor. 2,896,134, 7-21-59, Cl. 317-234.
- Myers, Clarence R., H. W. Stevens, and J. B. Myers, to The Myers Sherman Co. Hammer mill. 2,888,211, 5-26-59, Cl. 241-37.
- Myers, Edward C. Mechanism for dynamically balancing the work force of a work load. 2,895,282, 7-21-59, Cl. 56-306.
- Myers, Elman B., to Scarborough Associates, Inc. Reflecting electric lamp. 2,901,654, 8-25-59, Cl. 313-113.
- Myers, Errol L., to H. O. Trerice. Air operated controller embodying variable air valve for direct acting or reverse acting motor valve system. 2,913,185, 11-17-59, Cl. 236-86.
- Myers, F. E., & Bro., Co., The: See—  
Conery, William J., and Masters. 2,918,975.  
Staats, William A., 2,869,725.
- Myers, Felix E., to I-T-E Circuit Breaker Co. Two pole circuit breaker. 2,913,542, 11-17-59, Cl. 200-5.
- Myers, George A. Newspaper dispensing device. 2,913,141, 11-17-59, Cl. 221-34.
- Myers, George H., to Bell Telephone Laboratories, Inc. Time interval encoder. 2,887,653, 5-19-59, Cl. 324-68.
- Myers, George H. Electrical integration. 2,903,185, 9-8-59, Cl. 235-183.
- Myers, Harold L. Display device. 2,905,332, 9-22-59, Cl. 211-60.
- Myers, Harry S., Jr., to United States of America, Air Force. Standpipe propellant tank. 2,884,937, 5-5-59, Cl. 137-39.
- Myers, Henry F., to United States Steel Corp. Method and apparatus for the continuous heat-treatment of metal strip. 2,892,744, 6-30-59, Cl. 148-16.
- Myers, Henry S., to Power Condenser & Electronics Corp. Electrolyte for electrolytic condenser. 2,886,527, 5-12-59, Cl. 252-62.2.
- Myers, Henry S., to Power Condenser & Electronics Corp. Electrolyte for electrolytic condenser. 2,886,528, 5-12-59, Cl. 252-62.2.
- Myers, Hugh L., to Sun Oil Co. Distillation of petroleum hydrocarbons. 2,885,354, 5-5-59, Cl. 208-284.
- Myers, Hugh L., to Sun Oil Co. Removing acids from petroleum. 2,911,360, 11-3-59, Cl. 208-263.
- Myers, Jacob C. Mechanized method and apparatus for releasing stranded ships. 2,885,988, 5-12-59, Cl. 114-51.
- Myers, James E., Jr. Tuning apparatus. 2,894,225, 7-7-59, Cl. 333-82.
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- Nardulli, Michael J., to M. J. Nardulli, A. F. Naples, and P. F. Nardulli, trustees. Auxiliary sill for window structures. 2,887,734, 5-26-59, Cl. 20-11.
- Nardulli, Michael J. Window structures. 2,902,728, 9-8-59, Cl. 20-53.
- Nardulli, Peter F.: See—  
Nardulli, Michael J. 2,871,522.  
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- Narlock, Arthur E. Method for utilizing short sticks of carbon. 2,887,769, 5-26-59, Cl. 29-401.
- Narozny, Ronald S., to Malco Tool & Mfg. Co. Terminal pin. 2,877,441, 3-10-59, Cl. 339-258.
- Narrow Fabric Co., The: See—  
Howard, Robert C. 2,910,853.
- Narrow Fabrics (Lilleys) Ltd.: See—  
Lilley, John R. 2,888,958.
- Narumi, Natsuo, to Ikegai Iron Works, Ltd. Work driver for the metal cutting machine. 2,883,198, 4-21-59, Cl. 279-33.
- Nasarevich, Leo S., and J. G. Spitzer, to Carter Products, Inc. Low calorie French dressing. 2,916,883, 12-8-59, Cl. 99-144.
- Nash, Alfred G.: See—  
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- Nash, Charles A. Clasps. 2,888,730, 6-2-59, Cl. 24-245.
- Nash, Daniel J., to Nash Inc. Wallet and removable pass case therefor. 2,871,901, 2-3-59, Cl. 150-39.
- Nash, Daniel J., to Nash Inc. Key case. 2,878,851, 3-24-59, Cl. 150-40.
- Nash, Edward L., to Studebaker-Packard Corp. Tooth spacer for non-slip differential gearing. 2,873,622, 2-17-59, Cl. 74-711.
- Nash, Floyd M., to Jacuzzi Bros., Inc. Air charger assembly for pressure tanks. 2,881,782, 4-14-59, Cl. 137-211.
- Nash Inc.: See—  
Nash, Daniel J. 2,871,901.  
Nash, Daniel J. 2,878,851.
- Nash, J. Frank, to Eli Lilly and Co. Hydroxybenzoyl benzoate salt of 8-(o-chlorophenyl)-8-hydroxyethyl isopropylamine. 2,887,509, 5-19-59, Cl. 260-501.
- Nash, J. M., Co.: See—  
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- Nash, J. M., Co., Inc.: See—  
Zirbel, Irving E. 2,901,870.
- Nash, James R.: See—  
Follett, Lesta M., and Nash. 2,907,516.
- Nash, L. W., Co.: See—  
Powell, Robert B. 2,895,733.
- Nash, Lawrence H. Process for the preparation of fungicides, bactericides, insecticides and microbicides. 2,900,293, 8-18-59, Cl. 167-22.
- Nash, Majorie D. Self-locking cable retainer. 2,895,605, 7-21-59, Cl. 206-55.
- Nash, Max H. Dual purpose house trailer having separably joined body sections. 2,899,237, 8-11-59, Cl. 290-35.
- Nash, Richard L., to Chicago Pneumatic Tool Co. Rotary compressor control. 2,894,677, 7-14-59, Cl. 230-3.
- Nash, Thomas E., and E. E. Hoffmann, to Radio Corp. of America. Tri color kinescope aging conveyor carrier. 2,917,357, 12-15-59, Cl. 316-27.
- Nash, Thomas L.: See—  
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- Nash, William H.: See—  
Thiede, Ronald W., and Nash. 2,881,288.

- Nash, William H., to McGraw-Edison Co. Spark-gap assembly for lightning arresters. 2,899,602, 8-11-59, Cl. 315-36.
- Nashed, Wilson, to Johnson & Johnson. Stabilized aqueous suspension of salicylamide. 2,904,469, 9-15-59, Cl. 167-65.
- Nashman, Alvin E., and G. Rabow, to International Telephone and Telegraph Corp. Sweep voltage generator. 2,875,334, 2-24-59, Cl. 250-27.
- Nason, Harold A., to General Electric Co. Method of forming reinforced pan. 2,876,498, 3-10-59, Cl. 18-59.
- Nassef, Namon. Pocket collar and cuff enfolding machine. 2,880,916, 4-7-59, Cl. 223-38.
- Nasser, John: See—  
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- Nassor, Edward S.: See—  
Ardith, Maurice, and Nassor. 2,890,424.
- Nassour, Edward, and C. F. Joers, to Nassour Studios, Inc. Camera. 2,887,938, 5-26-59, Cl. 95-53.
- Nassour Studios, Inc.: See—  
Nassour, Edward, and Joers. 2,887,938.
- Nastasi, Salvatore J., and D. A. Quattrocchi. Cutting shears of the pull type. 2,897,591, 8-4-59, Cl. 30-253.
- Naster, Bert K. Ballasts for gaseous discharge lamps. 2,885,597, 5-5-59, Cl. 315-138.
- Naster, Bert K. Electromagnetic voltage regulator. 2,880,767, 5-12-59, Cl. 323-45.
- Natalis, Herbert E., to Radio Corp. of America. Getter structure. 2,869,014, 1-13-59, Cl. 313-181.
- Nathan, Alan H., and J. A. Hogg, to The Upjohn Co. Alkali metal enolates of 20-keto-21 (trifluoroacetyl) steroids. 2,884,429, 4-28-59, Cl. 260-397.4.
- Nathan, Arlene: See—  
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- Nathan, Arthur D.: See—  
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- Nathan, Emanuel. Fold over spectacle case. 2,912,101, 11-10-59, Cl. 206-6.
- Nathan, Joseph D. Apparel hanger spacer. 2,895,618, 7-21-59, Cl. 211-123.
- Nathan, Marvin F., to The M. W. Kellogg Co. Fluid platinum system. 2,899,284, 8-11-59, Cl. 23-288.
- Nathan, Marvin F., to The M. W. Kellogg Co. Recovery of catalyst fines entrained in the reaction effluent and regeneration effluent gases from a hydrocarbon conversion process. 2,918,424, 12-22-59, Cl. 208-140.
- Nathan Mfg. Corp.: See—  
Swanson, Robert E. 2,884,892.
- Nathanson, Max. Radiant heating device. 2,891,136, 6-16-59, Cl. 219-34.
- Nather, Roy E., to United States of America, Atomic Energy Commission. High speed pulse counting circuits. 2,882,443, 4-14-59, Cl. 315-8.5.
- Natho, Paul J., to Pan American Petroleum Corp. Safety valve with mechanical and hydraulic operator. 2,885,172, 5-5-59, Cl. 251-14.
- Natho, Paul J., to ACF Industries, Inc. Seat and seal. 2,886,283, 5-12-59, Cl. 251-175.
- Natho, Paul J., to Pan American Petroleum Corp. Pressure relay apparatus. 2,910,088, 10-27-59, Cl. 137-596.1.
- National Acme Co., The: See—  
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- National Alroil Burner Co., Inc.: See—  
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- National Aluminate Corp.: See—  
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- Nates, David B., and Nordell. 2,904,415.
- Nathack, Carol H., and Johnson. 2,875,210.
- Nathwaite, David G. 2,905,534.
- Nazman, Jacob I. 2,911,378.
- Nazman, Chester A., and Winchell. 2,903,090.
- Nazko, John T., Jr. 2,901,439.
- Nazko, Walter M., and Ferrara. 2,914,417.
- Nazko, Thomas G. 2,867,279.
- Nazickshank, George A. 2,878,155.
- Naziboney, James L. Brown, and Krueger. 2,872,196.
- Green, Jerome. 2,888,400.
- Hoover, Charles O. 2,889,195.
- Johnson, Carl E. 2,874,074.
- Johnson, Carl E. 2,875,156.
- Johnson, Carl E., and Thompson. 2,908,624.
- Kent, Eugene A., and Sacco. 2,901,370.
- Ryznar, John W. 2,870,000.
- Ryznar, John W. 2,877,716.
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- National Automatic Tool Co., Inc.: See—  
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- Norman, Richard M., Powell, and Sherer. 2,896,257.
- National Bank of Detroit: See—  
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- Griner, Arthur J. 2,887,964.
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- National Broach & Machine Co.: See—  
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- Anthony, Russel W. 2,893,744.
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- National Broach & Machine Co.: See—Continued  
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- Gates, Thomas S. 2,909,831.
- Gates, Thomas S., Bassoff, and Davis. 2,873,652.
- Gates, Thomas S., and Williams. 2,906,177.
- McNabb, Warren C. 2,887,015.
- McNabb, Warren C., and Anthony. 2,916,971.
- Motz, Carl H. 2,872,198.
- Pernack, Frank. 2,898,670.
- Praeg, Walter S. 2,905,062.
- Praeg, Walter S. 2,917,973.
- Praeg, Walter S., and Bassoff. 2,887,014.
- Praeg, Walter S., and Sigman. 2,913,858.
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- Angel, Arthur M., and Mangan. 2,916,624.
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- Burns, John H., Dittmer, and Weeks. 2,878,872.
- Desch, Joseph R. 2,871,408.
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- Emerson, Marvin R., and Hoover. 2,885,602.
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- Goodbar, Mayo A., Pratt, and Bacher. 2,889,769.
- Harbor, William H. 2,868,446.
- Howes, Royal E. 2,900,533.
- Hull, Roger S. 2,878,431.
- Jackson, John M., Zurbuchen, Flint, Coleman, and Werner. 2,911,141.
- Jones, Dan H., and Stone. 2,900,625.
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- Marshall, Temple G., Jr. 2,885,564.
- Piquin, Leon J. 2,902,309.
- Rose, Clifford A. 2,885,603.
- Roudebush, Melvin T., and Moyer. 2,919,331.
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- Schoen, Seymour, and Krause. 2,873,384.
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- Weiss, Eric. 2,888,200.
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- Werner, Frank R., Flint, and Sterzer. 2,889,893.
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- National City Bank of Cleveland: See—  
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- National Clay Pipe Manufacturers, Inc.: See—  
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- National Dairy Products Corp.: See—  
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- National Distillers and Chemical Corp.: See—  
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- Frank, Charles E., and Greenberg. 2,902,461.
- Greenberg, Harry, and Horst. 2,902,462.
- Greenberg, Harry, and Lubowitz. 2,894,982.
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- Hansley, Virgil L., and Schott. 2,915,564.
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- Mador, Irving L. 2,908,727.
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- National Drug Co., The: *See*—  
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 National Rubber Machinery Co.: *See*—  
 Schele, Enrique. 2,918,511.  
 Wennerstrom, Arthur N. 2,905,139.  
 National Screw & Mfg. Co., The: *See*—  
 Derham, Leslie J. 2,886,309.  
 Derham, Leslie J., and Haywood. 2,871,007.  
 Woods, Stephen E., and Derham. 2,912,322.  
 National Standard Co., Ltd.: *See*—  
 Adler, Orville E. 2,870,526.  
 Berquist, Leonard G. 2,874,411.  
 Kenmore, Herbert. 2,918,722.  
 Levitt, Richard E. 2,891,354.  
 Lydick, Harry M. 2,912,182.  
 Schone, Paul H. 2,880,846.  
 White, John W. 2,902,083.  
 National Standard Co. Ltd., The: *See*—  
 Spence, John T. D. 2,875,561.  
 White, Horace W. 2,913,014.  
 National Standby Vendors, Inc.: *See*—  
 Riddings, Clements A., and Holstein. 2,872,009.  
 National Starch and Chemical Corp.: *See*—  
 Caldwell, Carlyle G., and Wurzburg. 2,917,506.  
 National Starch Products, Inc.: *See*—  
 Goldberg, Albert I., and Jasinski. 2,910,448.  
 National Steel Cabinet Co.: *See*—  
 Berger, Bernard. 2,876,056.  
 National Steel Corp.: *See*—  
 Calne, Thomas P. 2,911,164.  
 Colby, Roy L., Jr. 2,904,142.  
 Collins, Tappan, Selin, and Brayman. 2,907,036.  
 Fugassi, Lucien A., Jr. 2,873,720.  
 Jenkins, Garold C. 2,884,338.  
 Macdonald, Alexander J. 2,884,321.  
 Meyer, Henry R. 2,877,874.  
 Smith, Edwin J., and J. R. 2,906,677.  
 Truver, Laurence W. 2,891,667.  
 Uhlen, Arthur E. 2,918,896.  
 National Supply Co., The: *See*—  
 Cordrey, Richard N. 2,891,768.  
 Deltrickson, Roy H. 2,870,749.  
 Dudley, Kenneth W. 2,892,598.  
 Guler, William, and Deltrickson. 2,905,200.  
 Hudson, James W. 2,907,813.  
 Hudson, James W. 2,912,197.  
 Glasgow, Clarence O. 2,903,087.  
 Knox, Donald G. 2,918,015.  
 Lavery, Charles A. 2,911,058.  
 Long, Lewis D. 2,903,011.  
 Walker, Jay P. 2,914,149.  
 National Surgical and Chemical Co., Inc.: *See*—  
 Candido, Gaspare R. 2,896,624.  
 National System of Garage Ventilation, Inc.: *See*—  
 Tenney, Frank M. 2,884,248.  
 National Tank Co.: *See*—  
 Carter, Harry V. 2,899,013.  
 Coggin, Robert W. 2,899,675.  
 Maher, Joseph L. 2,873,814.  
 National Tea Packing Co., Inc.: *See*—  
 Irmischer, Hans O. 2,891,867.  
 Irmischer, Hans O. 2,899,045.  
 Irmischer, Hans O. 2,913,860.  
 National Telephone Supply Co., The: *See*—  
 Klein, Charles H. 2,871,045.  
 Klein, Charles H. 2,910,900.  
 National Union Electric Corp.: *See*—  
 Koch, Henry J. 2,889,670.  
 National Union Radio Corp.: *See*—  
 Koch, Henry J. 2,889,670.  
 National U.S. Radiator Corp.: *See*—  
 Borkat, Phillip. 2,915,239.  
 National Valve & Mfg. Co.: *See*—  
 Grabe, Clarence G. 2,905,417.  
 National Vendors, Inc.: *See*—  
 Holstein, Alvin W. 2,896,817.  
 Pryor, Harry H. 2,868,414.  
 National Video Corp.: *See*—  
 Giacchetti, Anacleto D. 2,915,662.  
 National Wooden Pallet Manufacturers' Association: *See*—  
 De Pew, Thomas N., Sardo, and Koenig. 2,873,935.  
 National Zinc Co., Inc.: *See*—  
 Buff, Bern F. 2,891,320.  
 Nations, Carl T., to National Electronics Distributors, Inc.  
 Automatic photo printing machine. 2,896,505, 7-28-59, Cl. 88-24.  
 Natke, Edmund R. Article merchandiser. 2,917,354, 12-15-59, Cl. 312-71.  
 Natland, Manley L. Side wall punch core orienter gun perforator type. 2,873,949, 2-17-59, Cl. 255-14.  
 Natoli, Lucille C. Masking ruler. 2,892,437, 6-30-59, Cl. 116-119.  
 Natt, Michael P., to The Norwich Pharmacal Co. Method of combatting helminthiasis using nitro-furyl-acrylate derivatives. 2,890,982, 6-16-59, Cl. 167-55.  
 Natta, Giulio, Pino, and G. Mazzanti, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for the polymerization of certain unsaturated hydrocarbons using iron-based polymerization agents. 2,882,263, 4-14-59, Cl. 260-93.7.  
 Natta, Giulio, and G. Crespi, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Method of making shaped articles of crystalline polystyrene. 2,896,264, 7-28-59, Cl. 18-55.  
 Natta, Giulio, G. Mazzanti, and P. Longi, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Catalysts for the polymerization of olefins and process for preparing said catalysts. 2,905,646, 9-22-59, Cl. 252-431.  
 Natural Lighting Corp.: *See*—  
 Howarth, David V. 2,894,693.  
 Naugler, Walter E., to United Shoe Machinery Corp. Cement handling mechanism. 2,879,921, 3-31-59, Cl. 222-131.  
 Naujokat, Gustav, to Firma Wilhelm Schroeder. Lock for bicycles and the like. 2,869,352, 1-20-59, Cl. 70-227.  
 Naujoks, Elfriede: *See*—  
 Dithmar, Karl, and Naujoks. 2,909,404.  
 Naulty, Howard W., and M. N. Brown, to United States of America, Navy. Inert gas system for fuel tank. 2,889,955, 6-9-59, Cl. 220-88.  
 Naumann, Helmut, to Voigtlander, A.G. Locking means for the back wall of roll film cameras. 2,903,952, 9-15-59, Cl. 95-31.  
 Naumann, Helmut, and A. W. Tronnier, to Voigtlander Aktiengesellschaft. Exchangeable objectives for photographic cameras. 2,906,185, 9-29-59, Cl. 95-44.  
 Naumann, Willy R., to Daimler-Benz Akt. Method of forming grooves on a shaft. 2,869,295, 1-20-59, Cl. 51-289.  
 Nauta, Cornelis, and M. van Tol, to North American Philips Co., Inc. Device for the selection of electric pulses according to their heights. 2,881,352, 4-7-59, Cl. 315-8.5.  
 Nauta, Johannes E. Device for working material in at least two conical vessels. 2,893,709, 7-7-59, Cl. 259-64.  
 Navari, Julius C. Peeling and grating apparatus. 2,886,082, 5-12-59, Cl. 146-3.  
 Navarro, Eugene M. Lock mechanism. 2,890,582, 6-16-59, Cl. 70-421.  
 Naville, Ward J., N. de Vries, and E. F. Becher. Reclining chair. 2,880,784, 4-7-59, Cl. 155-106.  
 Navigation Computer Corp.: *See*—  
 Jones, John P., Jr. 2,878,440.  
 Jones, John P., Jr. 2,897,378.  
 Jones, John P., Jr. 2,906,892.  
 Navikas, Victor A., to Armstrong Cork Co. Container with label adhesively adhered thereto. 2,880,898, 4-7-59, Cl. 215-1.  
 Navratil, Miroslav, and M. Prochazka. Device for calibrating indicators of torsional oscillations during rotation. 2,871,693, 2-3-59, Cl. 73-1.  
 Nawnman, Rollie B., to Benner-Nawnman, Inc. Nesting tray construction. 2,878,959, 3-24-59, Cl. 220-97.  
 Nawnman, Rollie B., to Benner-Nawnman, Inc. Telephone booth door hanger construction. 2,889,572, 6-9-59, Cl. 16-89.  
 Nawojski, Julius. Mercury circuit breaker. 2,886,662, 5-12-59, Cl. 200-32.  
 Naxon, Irving. Heating units for electric frying pans and the like. 2,880,301, 3-31-59, Cl. 219-43.  
 Naxon, Irving. Push button controls for washing machines, clothes driers and other motorized equipment. 2,888,986, 6-2-59, Cl. 161-1.  
 Naylor, E. Vincent. Pressure transducer. 2,912,863, 11-17-59, Cl. 73-398.  
 Nayfack, Jules S. Dental appliance. 2,899,746, 8-18-59, Cl. 32-40.  
 Naylor, Alexander L.: *See*—  
 Hanson, James S., and Naylor. 2,915,776.  
 Naylor, Arthur: *See*—  
 Hamilton, Andrew, and Naylor. 2,919,371.  
 Naylor Brothers Ltd.: *See*—  
 Naylor, William. 2,903,123.  
 Naylor, Joseph F.: *See*—  
 Northmore, Raymond, and Naylor. 2,871,332.  
 Naylor, Joseph F., to Vicars, T. & T., Ltd. Treatment of edible plastic material. 2,869,483, 1-20-59, Cl. 107-12.  
 Naylor, Joseph F., to T. & T. Vicars Ltd. Bakers' and the like ovens. 2,908,234, 10-13-59, Cl. 107-55.  
 Naylor, Joseph F., and R. L. Large, to T. & T. Vicars Ltd. Apparatus for conveying sheets of fragile material. 2,870,898, 1-27-59, Cl. 198-20.  
 Naylor, Joseph F., and J. Eaton, to T. & T. Vicars Ltd. Bakers' and the like ovens. 2,908,235, 10-13-59, Cl. 107-63.  
 Naylor, Ralph A., and W. B. Hardy. Light stabilized polyvinyl chloride compositions. 2,919,259, 12-29-59, Cl. 260-45.95.  
 Naylor, Thomas K.: *See*—  
 Young, Frank M., and Naylor. 2,907,878.  
 Naylor, William, to Naylor Brothers Ltd. Conveyors. 2,903,123, 9-8-59, Cl. 198-191.  
 Nazzewski, Mathew, to Sprague Electric Co. Electrolytic capacitor endseal. 2,907,933, 10-6-59, Cl. 317-230.  
 Neal, Jesse R., Jr.: *See*—  
 Hoopes, Harry P., Weber, and Neal. 2,904,444.  
 Neal, Richard B.: *See*—  
 La Forge, Louis H., Jr., Neal, and Whitehurst. 2,898,273.



- Neal, Robert A., to Westinghouse Electric Corp. Arrangement for plural temperature response. 2,875,613, 3-3-59, Cl. 73-341.
- Neale, Charles E.: See—  
Wood, George H., Jr., Neale, and Hawes. 2,878,096.
- Neale, David J.: See—  
Francis, Frederick G., and Neale. 2,915,415.
- Neale, Denis M., to Ifford Ltd. Electronic tone-masking system for use in the production of colour prints. 2,905,755, 9-22-59, Cl. 178-5.4.
- Nealy, Claude H. Torque indicating wrench adapter. 2,877,645, 3-17-59, Cl. 73-139.
- Neary Advertising Agency Inc.: See—  
Neary, Lawrence E. 2,884,127.
- Neary, Joseph P.: See—  
Laudius, Joseph F., and Neary. 2,882,119.
- Neary, Lawrence E., to Neary Advertising Agency Inc. Display article of merchandise. 2,884,127, 4-25-59, Cl. 206-80.
- Nease Chemical Co., Inc.: See—  
Mosher, William A., and Braun. 2,883,423.
- Neaverson, Rowland A. Load holting apparatus for vehicles. 2,873,869, 2-17-59, Cl. 214-77.
- Nebel, Paul M. F. H.: See—  
Budeberg, Walter, and Nebel. 2,899,342.
- Nebel, Paul W., to Minneapolis-Honeywell Regulator Co. Potentiometer. 2,896,183, 7-21-59, Cl. 338-91.
- Nebergall, William H., to Indiana University Foundation. Dentifrice preparations. 2,876,166, 3-3-59, Cl. 167-93.
- Nebergall, William H., to Indiana University Foundation. Distannousmonochlorotrifluoride and dentifrice compositions therewith. 2,882,204, 4-14-59, Cl. 167-93.
- Nebhuth, Karl-Heinz: See—  
Wirth, Thomas, Nebhuth, and Wenger. 2,872,045.
- Nebinger, Richard B., to Knapp-Monarch Co. Method and device for pressure filling aerosol dispensers. 2,881,576, 4-14-59, Cl. 53-88.
- Nebinger, Richard B., and I. Pass, to Knapp-Monarch Co. Time and speed control for mixing device. 2,912,633, 11-10-59, Cl. 318-268.
- Necchi Sewing Machine Sales Corp.: See—  
Perrinquet, Roger. 2,874,014.
- Nece, Roger H.: See—  
Boyer, Ralph K., and Nece. 2,907,341.
- Nectoux, Henri, to Societe des Forges et Ateliers du Crenset. Feeder device for the automatic loading of guns. 2,905,056, 9-22-59, Cl. 89-33.
- Nedderman, Wendell H., to Gulf Oil Corp. Pile salvage ring. 2,871,667, 2-3-59, Cl. 61-80.
- Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek: See—  
Le Poole, Jan B. 2,908,816.
- Van Dorsser, Arend H. de H., and van Hoek. 2,897,130.
- Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek Ten Behoeve Van Nijverheid Handel en Verkeer: See—  
Herman, Wilhelm, and van Rooyen. 2,886,853.
- Van Lamen, Franciscus L. J., and Borsten. 2,892,669.
- Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van de Rijksoverheid (National Defense Research Council T. N. O., The): See—  
Bouman, Maarten A. 2,916,963.
- Nedley, Alva L., to General Motors Corp. Choke flow intake silencer and method. 2,882,881, 4-21-59, Cl. 123-119.
- Nedow, Ben. Fishing tool. 2,908,332, 10-13-59, Cl. 166-99.
- Nee, David S., to Smith-Corona Marchant Inc. Square root extracting circuit arrangements. 2,912,162, 11-10-59, Cl. 235-158.
- Needham, Hal S.: See—  
Lewis, Dan, Jr., and Needham. 2,885,074.
- Needham, James C., to E. R. A. Patents Ltd. Electric arc welding systems. 2,873,402, 2-10-59, Cl. 314-135.
- Needham, James C., W. G. Hull, and P. T. Houldcroft, to E. R. A. Patents Ltd. Electric arc welding systems. 2,867,743, 1-6-59, Cl. 314-75.
- Needham Mfg. Co., Inc.: See—  
Way, David G. 2,885,843.
- Needle Industries Ltd.: See—  
Sanders, Norman T. 2,872,892.
- Sanders, Norman T. 2,887,858.
- Sanders, Norman T. 2,918,035.
- Neff, Rütger, to Farbenfabriken Bayer Akt. Certain substituted bis-anthraquinonyl bibenzothiazole and bibenzoxazole dyes and process. 2,868,799, 1-13-59, Cl. 260-303.
- Neff, Rütger, and H. W. Schwichten, to Farbenfabriken Bayer Akt. Production of vat dyestuffs. 2,885,410, 5-5-59, Cl. 260-368.
- Neel, Robert M., to Olin Mathieson Chemical Corp. Method of making a sheet metal article. 2,906,006, 9-29-59, Cl. 29-157.3.
- Neely, Albert E., to DuPont-Color Products Co., Inc. Fountain applicator. 2,866,994, 1-6-59, Cl. 15-139.
- Neely, Clarence L. Garment bag. 2,874,827, 2-24-59, Cl. 206-7.
- Neely, Eugene M., to William M. Bailey Co. Goggle valve structures. 2,884,959, 5-5-59, Cl. 138-94.3.
- Neely, George L. Kinetic oiliness testing machine. 2,909,056, 10-20-59, Cl. 73-10.
- Neely, George L., to California Research Corp. Spark arrester for multicylinder engines. 2,911,066, 11-3-59, Cl. 183-80.
- Neely, William H., to The Universal Wire Spring Co. Wire spring structure. 2,879,834, 3-31-59, Cl. 155-179.
- Neely, William H., and J. Oswald, to The Universal Wire Spring Co. Fabric trim connecting means. 2,876,826, 3-10-59, Cl. 155-180.
- Neer, Clifford H., to Maryland Engineering Co. Method and apparatus for casing merchandise. 2,869,297, 1-20-59, Cl. 53-28.
- Neer, William, to Jewell Tea Co. Inc. Catalogue order card binder. 2,878,813, 3-24-59, Cl. 129-1.
- Nees, Hugo: See—  
Gellersberger, Karl, and Nees. 2,913,329.
- Neese, Gerhard, to Durkoppwerke Akt. Roller bearing cage. 2,881,036, 4-7-59, Cl. 308-217.
- Neesley, John D., to Standard Oil Co. Coal spray composition. 2,913,349, 11-17-59, Cl. 106-278.
- Neff, Gene M., to John Oster Mfg. Co. Hand held sanding and abrading machine. 2,885,833, 5-12-59, Cl. 51-170.
- Neff, Glyn A.: See—  
Sink, Robert L., and Neff. 2,891,237.
- Neff, Glyn A., to Consolidated Electrodynamics Corp. Electron beam deflection multivibrator circuits. 2,874,283, 2-17-59, Cl. 250-27.
- Neff, Glyn A., to Consolidated Electrodynamics Corp. Register for digital information. 2,892,182, 6-23-59, Cl. 340-173.
- Neff, Glyn A., to Consolidated Electrodynamics Corp. Information storage system. 2,904,776, 9-15-59, Cl. 340-174.
- Neff, Hans, to Siemens-Reiniger-Werke Akt. X-ray diffraction system. 2,870,337, 1-20-59, Cl. 250-53.
- Neff, Loren L., to Union Oil Co. of California. Antitrust composition. 2,914,478, 11-24-59, Cl. 252-46.6.
- Neff, Margaret P.: See—  
Neff, Paul J., Christy, Marsh, and McIntyre. 2,886,144.
- Neff, Paul J., L. R. Christy, H. S. Marsh, and D. McIntyre, to said L. R. Christy, trustee. Auxiliary retarding device for disconnected roller bearing equipped railroad cars. 2,886,143, 5-12-59, Cl. 188-153.
- Neff, Paul J., deceased; L. R. Christy, H. S. Marsh, D. McIntyre, M. P. Neff, and Mercantile Trust Co., executors; said L. R. Christy, trustee. Speed regulating devices for use on railroad cars. 2,886,144, 5-12-59, Cl. 188-153.
- Neff, Robert J. Electronic locator. 2,908,863, 10-13-59, Cl. 324-67.
- Neff, Ted. Adjustable box wrench. 2,912,891, 11-17-59, Cl. 81-167.
- Neff, Wallace. Improved method of erecting shell-form concrete structures. 2,892,239, 6-30-59, Cl. 25-154.
- Neff, Wilber L. Jig for boring finger holes in bowling balls. 2,879,679, 3-31-59, Cl. 77-63.
- Neff, Wilber L. Device for determining the position of finger holes in bowling balls. 2,910,780, 11-3-59, Cl. 33-174.
- Neff, William H. Lawn planting machine. 2,876,013, 3-3-59, Cl. 275-2.
- Negoro, Katiji, to Rockford Factories, Inc. Storm door vent and automatic closure therefor. 2,871,523, 2-3-59, Cl. 20-16.
- Negri, Franco, to Ing. C. Olivetti & C. S. p. A. Random signal generator. 2,872,514, 2-3-59, Cl. 178-22.
- Neher, Clarence M., and H. E. O'Connell, to Ethyl Corp. Oil scrubber. 2,868,852, 1-13-59, Cl. 260-660.
- Neher, Clarence M., and H. E. O'Connell, to Ethyl Corp. Acid scrubber. 2,868,853, 1-13-59, Cl. 260-660.
- Neher, Clarence M., and H. E. O'Connell, to Ethyl Corp. Ethyl chloride manufacture. 2,905,727, 9-22-59, Cl. 260-662.
- Neher, Eldon P., to The General Tire and Rubber Co. Steering knuckle mounting. 2,871,025, 1-27-59, Cl. 280-96.2.
- Neher, Eldon P., to The General Tire & Rubber Co. Vibration damping shock absorbing support. 2,881,995, 4-14-59, Cl. 248-15.
- Neher, Eldon P., to The General Tire and Rubber Co. Resilient mounting support. 2,883,132, 4-21-59, Cl. 248-26.
- Neher, Eldon P., and W. G. Myers, to The General Tire and Rubber Co. Machine for assembling resilient bushings and the like. 2,895,215, 7-21-59, Cl. 29-235.
- Neher, Eldon P., and H. J. Peppercorn, to The General Tire & Rubber Co. Vibration isolator mounting. 2,903,228, 9-8-59, Cl. 248-358.
- Neher, Harry T., E. H. Specht, and E. J. Kelley, to Rohm & Haas Co. Preparation of thiolacrylic esters. 2,888,480, 5-26-59, Cl. 260-455.
- Neher, Herbert J. Apparatus for lifting stacks of bricks and the like. 2,871,052, 1-27-59, Cl. 294-63.
- Neher, Maynard B., to The Battelle Development Corp. Mechanical apparatus for testing flexible and pilable material. 2,917,921, 12-22-59, Cl. 73-100.
- Neher, Robert: See—  
Reichstein, Tadens, Wettstein, Anner, Billeter, Hensler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,904,545.
- Neher, Robert, to Ciba Pharmaceutical Products Inc. Manufacture of new polythiureas. 2,868,834, 1-13-59, Cl. 260-506.
- Nehila, Emil J., Jr.: See—  
Warzybok, Julius T., and Nehila. 2,896,524.
- Nehls, Charles H., to Wayne Metalcraft Co. Locking cover. 2,880,604, 4-7-59, Cl. 70-169.
- Nehls, Charles H., to Wayne Metalcraft Co. Locking closure. 2,880,605, 4-7-59, Cl. 70-169.

- Nehls, Charles H. Locking cap and improved gasket therefor. 2,880,903, 4-7-59, Cl. 220-46.
- Nehring, Frederick L. Paper dispensers. 2,872,264, 2-3-59, Cl. 312-39.
- Neid, Louis J., deceased; by P. E. Neid, executrix. Bird trap. 2,897,627, 8-4-59, Cl. 43-65.
- Neid, Pauline E.: See—  
Neid, Louis J. 2,897,627.
- Neidhardt, Hans U., to H. A. Schlatter Aktiengesellschaft. Arrangement for controlling a transistor circuit. 2,903,608, 9-8-59, Cl. 307-88.5.
- Neidhardt, Rudolf: See—  
Stulber, Walter, and Neidhardt. 2,905,296.
- Neidhardt, Rudolf, to Triumph Werke Nurnberg A.G. Margin stop arrangement. 2,878,871, 3-24-59, Cl. 164-112.
- Neidhardt, Rudolf, to Triumph Werke Nurnberg Aktiengesellschaft. Carriage return control arrangement. 2,897,943, 8-4-59, Cl. 197-66.
- Neidig, Dan, to Superior Mfg. Co. Vending machine. 2,914,215, 11-24-59, Cl. 221-20.
- Neighly, Francis M., Sr. Percussion drills. 2,876,995, 3-10-59, Cl. 255-63.
- Neikirk, Marvin W., and P. B. Crabtree. Cultivator sweep. 2,918,132, 12-22-59, Cl. 172-736.
- Nelland, Ivor C.: See—  
Welden, Artie L. 2,885,296.
- Neill, James, & Co. (Sheffield) Ltd.: See—  
Bower, William L. 2,915,682.
- Neill, John: See—  
Schuftan, Paul M., and Neill. 2,915,880.
- Neill, Oswald S., to The de Havilland Aircraft of Canada Ltd. Method and apparatus for finding faults in a plurality of conductors. 2,892,153, 6-23-59, Cl. 324-73.
- Neilsen, Hilda L. Pencil-serving memorandum pad-holder. 2,907,584, 10-6-59, Cl. 281-15.
- Neilsen, Peter C. Tire buffing machine with tire inflating means and peripheral gaging means. 2,888,065, 5-26-59, Cl. 157-13.
- Neilsen, Alan C.: See—  
Hogberg, Ake O., and Neilsen. 2,869,625.
- Neilsen, Laurie, and R. E. Stevens. Earth mover and dumper. 2,871,586, 2-3-59, Cl. 37-132.
- Neilsen, Sven W.: See—  
Smidl, John M., Neilsen, and Neilsen. 2,869,336.
- Neiman, Abram, and P. Lipschutz; said Lipschutz assor. to said Neiman. Anti-theft device. 2,868,007, 1-13-59, Cl. 70-252.
- Neiman, Paul E.: See—  
Stewart, Joseph, Knoth, and Neiman. 2,891,895.
- Neiner, Warren L. Fluid operated cylinder. 2,915,043, 12-1-59, Cl. 121-38.
- Nelpert, Marshall P.: See—  
Blue, Robert D., and Nelpert. 2,887,443.
- Nelpert, Marshall P., and C. K. Bon, to The Dow Chemical Co. Recovery of mercury. 2,885,282, 5-5-59, Cl. 75-121.
- Nelpert, Marshall P., R. D. Blue, and H. E. Houser, to The Dow Chemical Co. Mercury cathode chlorine cell. 2,898,284, 8-4-59, Cl. 204-219.
- Nelpert, Marshall P., and R. D. Blue, to The Dow Chemical Co. Production of titanium metal. 2,913,332, 11-17-59, Cl. 75-84.4.
- Nelsh, Richard A., to United States Steel Corp. Process for producing core-poled electrical steel strip. 2,909,454, 10-20-59, Cl. 148-6.2.
- Nelsler Brothers, Inc.: See—  
Jackson, Howard B., and Jolly. 2,911,782.
- Neisler, Charles E., Jr., and Mauney. 2,872,690.
- Neisler, Charles E., Jr., and Mauney. 2,912,033.
- Neisler, Charles E., Jr., and P. Mauney, to Neisler Bros., Inc. Inflatable device of predetermined surface contour and method of making same. 2,872,690, 2-10-59, Cl. 5-349.
- Neisler, Charles E., Jr., and P. Mauney, to Neisler Brothers, Inc. Inflatable device of predetermined surface contour and method of making same. 2,912,033, 11-10-59, Cl. 152-9.
- Nelas, Richard A. Seal tester for pressurized containers. 2,915,895, 12-8-59, Cl. 73-40.
- Nelswinter, James T. Electrical signalling apparatus. 2,904,624, 9-15-59, Cl. 178-4.1.
- Neltlich, Irving M., to Cue Fastener, Inc. Molding apparatus for making small plastic articles. 2,891,282, 6-23-59, Cl. 18-30.
- Neltzert, Carl, to General Time Corp. Magnetic pulse counting and forming circuits. 2,897,380, 7-28-59, Cl. 307-106.
- Neltzert, Carl, to Bell Telephone Laboratories, Inc. Magnetic pulse modulator. 2,919,414, 12-29-59, Cl. 331-87.
- Nekola, Joseph F., to Sperry Rand Corp. Servo system and variable gain amplifier therefor. 2,887,637, 5-19-59, Cl. 318-31.
- Nelken, Harvey H., to The Babcock & Wilcox Co. Vapor generating and superheating unit with vapor temperature controls. 2,876,748, 3-10-59, Cl. 122-240.
- Nellis, Urban P.: See—  
Ralph, Herman S., Nellis, and Pearson. 2,886,213.
- Nelsen, Nieman C., to Nesbitt Fruit Products. Measuring liquid dispenser. 2,887,252, 5-19-59, Cl. 222-181.
- Nelsen, Silas E., and C. J. Mentzer. Concrete form. 2,892,237, 6-30-59, Cl. 25-131.5.
- Nelson, Adolph. Propulsion arrangement on multi wing aircraft. 2,896,882, 7-28-59, Cl. 244-55.
- Nelson, Albert J.: See—  
Nelson, Henry H., and A. J. 2,886,884.
- Nelson, Alden W., to The Standard Machinery Co. Reel payout device of the tension-controlled type. 2,879,011, 3-24-59, Cl. 242-156.2.
- Nelson, Alden W., to Standard Machinery Division of Franklin Research Corp. Reel-winding apparatus. 2,913,191, 11-17-59, Cl. 242-25.
- Nelson, Alfred R.: See—  
Jankowiak, Erwin M., and Nelson. 2,906,719.
- Nelson, Anlaug B. Self-closing funnel for bottles, jars and the like. 2,868,246, 1-13-59, Cl. 141-286.
- Nelson, Anne K. Vehicle display device. 2,884,217, 4-28-59, Cl. 248-226.
- Nelson, Antonio. Adjustable bath brush. 2,901,760, 9-1-59, Cl. 15-160.
- Nelson, Averd G., to Preway Inc. Built in oven. 2,918,916, 12-29-59, Cl. 126-21.
- Nelson, Brooks E.: See—  
Peterson, Ruben O., and Nelson. 2,866,989.
- Nelson, Brooks E., to The Osborn Mfg. Co. Brush strip construction. 2,871,496, 2-3-59, Cl. 15-182.
- Nelson, Carl J. Corn picker roller. 2,905,181, 9-22-59, Cl. 130-5.
- Nelson, Cecil H.: See—  
McNally, Harold E. 2,901,593.
- Nelson, Charles V., and N. E. H. E. Erickson, and H. Hellenkamp, Jr.; said C. V. and N. E. Nelson assors. to D. L. Shubert, said Erickson and said Hellenkamp assors. to Industrial Development Co. Sheet separating and transfer apparatus. 2,914,321, 11-24-59, Cl. 271-5.
- Nelson, Clifford J. Means for dispensing the contents of collapsible tubes. 2,873,888, 2-17-59, Cl. 222-99.
- Nelson, Corless B.: See—  
Markesteln, John, and Nelson. 2,880,681.
- Smidl, John M., Nelson, and Neilsen. 2,869,336.
- Nelson, Corless B., to General Motors Corp. Centering and locking means. 2,903,267, 9-8-59, Cl. 279-66.
- Nelson, Corless B., and J. M. Smidl, to General Motors Corp. Refrigerating apparatus having cold air jacket. 2,882,701, 4-21-59, Cl. 62-405.
- Nelson, David V. Hanger. 2,909,355, 10-20-59, Cl. 248-317.
- Nelson, De Witte, to Swift & Co. Synthetic butterfat and process of making same. 2,892,721, 6-30-59, Cl. 99-118.
- Nelson, Delbert L., 30% to R. E. Meech. Traction device for vehicle tires. 2,900,003, 8-18-59, Cl. 152-225.
- Nelson, Earl. Mechanical hay fork. 2,908,526, 10-13-59, Cl. 294-107.
- Nelson, Emil A. Rolling mill. 2,911,864, 11-10-59, Cl. 80-16.
- Nelson, Ernest W., to Continental Oil Co. Grinding composition vehicle. 2,889,215, 6-2-59, Cl. 51-304.
- Nelson, Florian N. Process for the growing and rooting of plants in a synthetic soil. 2,891,355, 6-23-59, Cl. 47-58.
- Nelson, Floyd E. Load carrying vehicles and bodies therefor. 2,867,339, 1-6-59, Cl. 214-517.
- Nelson, Floyd E. Containers and elevating and dumping apparatus therefor for load-carrying vehicles. 2,877,910, 3-17-59, Cl. 214-302.
- Nelson, Forrest A., to Varian Associates. Decoupling means for electrical circuits. 2,908,558, 10-13-59, Cl. 324-5.
- Nelson, Forrest A., and M. E. Packard, to Varian Associates. Gyromagnetic resonance process analysis and control. 2,888,638, 5-26-59, Cl. 324-5.
- Nelson, Franklin C., and G. W. Fiero, to Esso Research and Engineering Co. Pesticidal petroleum composition and use thereof. 2,898,263, 8-4-59, Cl. 167-28.
- Nelson, Frederick. Ventilated wheel brake. 2,903,099, 9-8-59, Cl. 188-75.
- Nelson, Frederick E. Stationary awnings. 2,885,747, 5-12-59, Cl. 20-57.5.
- Nelson, Frederick E. Interlocking guide for panel awnings. 2,891,616, 6-23-59, Cl. 160-222.
- Nelson, Frederick E. Secondary incinerator. 2,906,368, 9-29-59, Cl. 183-6.
- Nelson, Frederick F., 1/4 to R. D. Grant. Self-adjusting orchard ladder. 2,885,133, 5-5-59, Cl. 228-63.
- Nelson, Frederick G., to Dorr-Oliver Inc. Combined flotation and clarification device. 2,881,923, 4-14-59, Cl. 210-525.
- Nelson, Gilbert. Duct joining tool. 2,882,768, 4-21-59, Cl. 81-5.1.
- Nelson, Gilbert E.: See—  
Edmonson, Glenn V. 2,878,645.
- Nelson, Gleen J. Air duct for motor vehicles. 2,882,809, 4-21-59, Cl. 98-2.
- Nelson, Gordon A.: See—  
Nichols, George E., Nelson, Casey, and Hogan. 2,909,129.
- Nelson, Gorman R. Torque measuring device. 2,885,884, 5-12-59, Cl. 73-1.
- Nelson, Gorman R. Predetermined-torque-applying wrench with thrust operated torsion bar. 2,895,359, 7-21-59, Cl. 81-52.3.
- Nelson, Harrison A., to The Upjohn Co. Recovery of ergosterol. 2,874,171, 2-17-59, Cl. 260-397.25.
- Nelson, Harrison A., C. M. Large, M. E. Bergy, and H. Hoeksema, to The Upjohn Co. Erythromycin recovery process. 2,894,943, 7-14-59, Cl. 260-210.
- Nelson, Harrison A., and C. M. Large, to The Upjohn Co. Acid purification of fumagillin. 2,898,268, 8-4-59, Cl. 167-65.



- Nelson, Harry: See—  
Macy, Donald, and Nelson. 2,880,795.  
Nelson, Harry, to Arcraft Venetian Blind Mfg. Co. Roll-up awning. 2,894,572, 7-14-59, Cl. 160-62.  
Nelson, Harry N.: See—  
Hirsch, Richard A., Mansfield, and Nelson. 2,882,975.  
Nelson, Henry H. and A. J. Drive key extractor. 2,886,884, 5-19-59, Cl. 29-250.  
Nelson, Herbert: See—  
Ehmann, Leslie G., and Nelson. 2,872,716.  
Nelson, Herbert, and A. Moore, to Radio Corp. of America. Semiconductor surface treatments and devices made thereby. 2,897,377, 7-28-59, Cl. 307-88.5.  
Nelson, Hubert: See—  
Harrison, Floyd O., and Nelson. 2,917,552.  
Nelson, Ira I. Waste interceptor. 2,879,894, 3-31-59, Cl. 210-187.  
Nelson, James K., to Westinghouse Electric Corp. Ice maker. 2,891,353, 6-23-59, Cl. 62-137.  
Nelson, Jerry A., to E. I. du Pont de Nemours and Co. Peptization process for polyurethanes. 2,917,471, 12-15-59, Cl. 260-23.  
Nelson, Jerry A., and J. J. Verbanc, to E. I. du Pont de Nemours & Co. Stable intermediate reaction products. 2,917,486, 12-15-59, Cl. 260-45.9.  
Nelson, Jess R.: See—  
Carlson, Harry A. 2,918,066.  
Nelson, John A.: See—  
Baker, Donald R., Nelson, and Storer. 2,867,016.  
Nelson, John A., to Continental Copper & Steel Industries, Inc. (Braeburn Alloy Steel Division). High temperature alloy. 2,908,565, 10-13-59, Cl. 75-125.  
Nelson, John A., Jr., and W. K. Vollmer, to Union Carbide Corp. Process of surface treating polyethylene structures and resultant article. 2,879,177, 3-24-59, Cl. 117-76.  
Nelson, John B. Dispensing holder for paper containers of milk or other liquids. 2,875,933, 3-3-59, Cl. 224-45.  
Nelson, John D.: See—  
Pearson, Donald L., and Nelson. 2,870,586.  
Nelson, John E., to The International Paper Box Machine Co. Machine and method for spot treating foldable sheets. 2,871,772, 2-3-59, Cl. 93-36.  
Nelson, John F., to United States Steel Corp. Nail machine whisker separator. 2,875,894, 3-3-59, Cl. 209-86.  
Nelson, John F., S. D. Warner, and R. G. Whitney, to United States Steel Corp. Apparatus for gathering and suspending tied bundles of wire or the like in aligned groups. 2,869,738, 1-20-59, Cl. 214-8.  
Nelson, John F., S. D. Warner, and R. G. Whitney, to United States Steel Corp. Rotary bundle rack. 2,918,177, 12-22-59, Cl. 211-163.  
Nelson, John H., to Kropp Forge Co. Method of and apparatus for electric finishing of metal articles. 2,885,529, 5-5-59, Cl. 210-69.  
Nelson, John S. Permanent mold and method for making cast chain link. 2,871,535, 2-3-59, Cl. 22-216.  
Nelson, John W., and J. A. Verdol, to Sinclair Refining Co. Lubricating oil thickened to a grease with an anhydrous calcium soap of an alkenyl substituted succinic acid. 2,868,729, 1-13-59, Cl. 252-39.  
Nelson, John W., and M. P. Kleinholz, to Sinclair Refining Co. Calcium base grease containing a nickel, lead or lithium salt of a dialkyl dithiophosphoric acid diester. 2,899,388, 8-11-59, Cl. 252-032.7.  
Nelson, John W., to Sinclair Refining Co. Tinning oil composition and method of using same. 2,880,465, 5-12-59, Cl. 117-64.  
Nelson, Joseph F.: See—  
Banes, Fred W., Nelson, and Leary. 2,894,937.  
Fitzgerald, William P., and Nelson. 2,906,726.  
Nelson, Joseph F., P. P. Ford, and A. W. Hubbard, to Esso Research and Engineering Co. Desulfurization of fluid coke with hydrogen above 2400° F. 2,872,384, 2-3-59, Cl. 202-31.  
Nelson, Joseph F., and J. F. McKay, to Esso Research and Engineering Co. Chlorinated cyclodienes acid and process of making it. 2,876,256, 3-3-59, Cl. 260-514.  
Nelson, Karl E., and H. Thurnauer, to American Lava Corp. Barium titanate insulators. 2,908,579, 10-13-59, Cl. 106-39.  
Nelson, Kenneth W., to Rada Products Co. Hollow support structures having hidden connecting means. 2,904,379, 9-15-59, Cl. 311-114.  
Nelson, Kurt B. Clutch and connector for orthopedic appliance. 2,889,160, 6-2-59, Cl. 287-14.  
Nelson, L. R., Mfg. Co., Inc.: See—  
Knight, James O. 2,877,028.  
Nelson, Lawrence M.: See—  
Harris, Clare W., and Nelson. 2,867,242.  
Nelson, Lawrence U. Display device. 2,892,276, 6-30-59, Cl. 40-124.1.  
Nelson, Lewen R. Trigger type nozzle. 2,883,117, 4-21-59, Cl. 239-459.  
Nelson, Marcellus. Collators for folded sheets. 2,883,185, 4-21-59, Cl. 270-55.  
Nelson, Maurice E.: See—  
Gle, William C., and Nelson. 2,881,023.  
Nelson, Max C., to United States of America, Navy. Housing for signaling apparatus. 2,892,075, 6-23-59, Cl. 240-11.2.  
Nelson, Melvin C., and P. S. Hess, to Congoleum-Nairn Inc. Surface covering product and process therefor. 2,894,560, 7-14-59, Cl. 154-25.  
Nelson, Miles E., to United States of America, Army. Stylus for recording electrical impulses on carbon coated paper. 2,867,491, 1-6-59, Cl. 346-74.  
Nelson, Morris D., to Radio Corp. of America. Regulated high voltage supplies. 2,905,857, 9-22-59, Cl. 315-27.  
Nelson, Nels A., to Esso Research and Engineering Co. Process for preparing lubricating greases. 2,888,402, 5-26-59, Cl. 252-36.  
Nelson, Noral A., and W. A. Wathen. Drive mechanism for bale tiers. 2,879,709, 3-31-59, Cl. 100-4.  
Nelson, Noral A., W. A. Wathen, and H. G. Thompson, to Massey-Ferguson, Inc. Plunger safety stop for balers. 2,882,813, 4-21-59, Cl. 100-19.  
Nelson, Norman A., and J. W. Gibbs, said Nelson assor. to Jersey Production Research Co. Pressure operated packer. 2,880,805, 4-7-59, Cl. 166-120.  
Nelson, Norman A., and G. E. Barrow, to Jersey Production Research Co. Device for testing tubing. 2,902,094, 9-1-59, Cl. 166-103.  
Nelson, Norman E.: See—  
Nelson, Charles V., and N. E., Erickson, and Hellenkamp. 2,914,321.  
Nelson, Orval E., 1/4 to D. R. Lang. Valve construction. 2,876,790, 3-10-59, Cl. 137-238.  
Nelson, Ottis M. Rack support for holding doors while jointing. 2,888,053, 5-26-59, Cl. 144-296.  
Nemeth, Otto R., to Digital, Inc. Indexing apparatus. 2,884,792, 5-5-59, Cl. 74-111.  
Nelson, Paul C., to O'Neill-Irwin Mfg. Co. Power driven tools. 2,875,733, 3-3-59, Cl. 121-38.  
Nelson, Paul C., to O'Neill-Irwin Mfg. Co. Hand operated press with selectively operated force applying means. 2,875,808, 3-3-59, Cl. 153-21.  
Nelson, Paul H., to The Stanley Works. Telescoping tracks for a sliding door. 2,912,713, 11-17-59, Cl. 16-95.  
Nelson, Permil N., to L. H. Ewing. Eccentrically mounted float ball inlet valve operating mechanism for flush toilets. 2,895,490, 7-21-59, Cl. 137-425.  
Nelson, Permil N., to L. H. Ewing. Anchorage device for flexible line. 2,905,995, 9-29-59, Cl. 24-131.  
Nelson, Raymond M. Photo geometry models. 2,917,835, 12-22-59, Cl. 35-8.  
Nelson, Richard B., and R. S. Symons, to Varian Associates. High frequency apparatus. 2,895,110, 7-14-59, Cl. 333-24.  
Nelson-Ricks Creamery Co.: See—  
Manwaring, David H. 2,868,651.  
Nelson, Roy F.: See—  
McKinley, John K., Nelson, and Bright. 2,894,970.  
Nelson, Roy F., to Texaco Inc. Manufacture of sodium base grease. 2,916,453, 12-8-59, Cl. 252-41.  
Nelson, Seddon C., to American Viscose Corp. Pulse dampening feed hose. 2,871,884, 2-3-59, Cl. 138-30.  
Nelson, Seddon C., and H. R. Steinfeld, to American Viscose Corp. Drying roll. 2,870,546, 1-27-59, Cl. 34-124.  
Nelson, Stanley E.: See—  
Dhonau, Herman B. C., and Nelson. 2,870,956.  
Nelson, Theodore J.: See—  
Polson, Ollen, and Nelson. 2,890,501.  
Nelson, Thomas S., Planter. 2,881,939, 4-14-59, Cl. 217-12.  
Nelson, Victor A., and T. Rogers. Dispenser for liquids. 2,873,892, 2-17-59, Cl. 222-309.  
Nelson, Walter D. Continuous flow type hydraulic power steering mechanism. 2,915,044, 12-1-59, Cl. 121-41.  
Nelson, Walter K. Adjustable beds for burial caskets. 2,888,732, 6-2-59, Cl. 27-12.  
Nelson, Walter K. Sealer strips. 2,910,209, 10-27-59, Cl. 220-46.  
Nelson, Wayne F., to Larkin Packer Co., Inc. Well packers. 2,873,805, 2-17-59, Cl. 166-140.  
Nelson, Willis N., and C. J. Pavlak, to Preway, Inc. Bake and broil unit. 2,883,978, 4-28-59, Cl. 126-39.  
Nelson, Nels, to United States Gypsum Co. Snap-in clip for metal studs. 2,903,753, 9-15-59, Cl. 20-4.  
Nelson, Nels, to United States Gypsum Co. Runners for nonload-bearing partitions. 2,909,251, 10-20-59, Cl. 189-34.  
Nemec, Joseph W.: See—  
McKeever, Charles H., and Nemec. 2,917,553.  
Nemec, Joseph W., and C. H. McKeever, to Rohm & Haas Co. Preparation of 1,1-dichloro-2,2-diphenylethanes. 2,883,428, 4-21-59, Cl. 260-613.  
Nemecsek, Louis J., to Ralph B. Carter Co. Ejector pots. 2,899,908, 8-18-59, Cl. 103-243.  
Nemet, Anthony A., to North American Phillips Co., Inc. Radiation detector. 2,899,560, 8-11-59, Cl. 250-71.  
Nemoede, Frederick: See—  
Monogolian, Charles A. 2,898,206.  
Nenleka, Zdenek, and J. Polak, to Zavody Jifho Dimitrova, narodni podnik. Suspension bearing arrangement for turbo sets in hydraulic power plants. 2,906,570, 9-29-59, Cl. 308-76.  
Nentwig, Joachim: See—  
Schnell, Hermann, Nentwig, Hintzmann, Raichle, and Bledermann. 2,917,468.  
Nenzell, Joseph F., to Rohr Aircraft Corp. Sealed riveted joint. 2,884,099, 4-28-59, Cl. 189-36.  
Nenzell, Joseph F., to Parker-Hannifin Corp. Adjustable, lockable male threaded fitting and seal therefor. 2,919,147, 12-29-59, Cl. 285-89.

- Neon, In-Meel. Mechanical integrator. 2,889,626, 6-9-59, Cl. 33-1.  
Neptune, Campbell A., Jr.: See—  
Sullivan, Harold R., and Neptune. 2,908,050.  
Neptune Meter Co.: See—  
Hazard, Charles S. 2,872,155.  
Hazard, Charles S., and Coles. 2,904,251.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, A. J. Syrov, and O. W. Schotz, to Chrysler Corp. Power transmission. 2,916,929, 12-15-59, Cl. 74-368.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, A. J. Syrov, and O. W. Schotz, to Chrysler Corp. Power transmission. 2,916,933, 12-15-59, Cl. 74-472.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, A. J. Syrov, and O. W. Schotz, to Chrysler Corp. Power transmission. 2,916,936, 12-15-59, Cl. 74-472.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, A. J. Syrov, and O. W. Schotz, to Chrysler Corp. Power transmission. 2,916,938, 12-15-59, Cl. 74-472.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, A. J. Syrov, and O. W. Schotz, to Chrysler Corp. Power transmission. 2,916,939, 12-15-59, Cl. 74-472.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, A. J. Syrov, and O. W. Schotz, to Chrysler Corp. Power transmission. 2,916,940, 12-15-59, Cl. 74-472.  
Neracher, Carl A., and W. T. Dunn, to Chrysler Corp. Power transmission. 2,916,941, 12-15-59, Cl. 74-472.  
Neracher, Carl A., and W. T. Dunn, to Chrysler Corp. Over-drive transmission. 2,916,942, 12-15-59, Cl. 74-472.  
Neracher, Carl A., and W. T. Dunn, to Chrysler Corp. Power transmission. 2,916,943, 12-15-59, Cl. 74-472.  
Neracher, Carl A., W. T. Dunn, T. Iavelli, and A. J. Syrov, to Chrysler Corp. Power transmission. 2,917,141, 12-15-59, Cl. 192-92.  
Nerad, Anthony J.: See—  
Kilnt, Robert V., and Nerad. 2,913,221.  
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Nerad, Anthony J., and K. H. Johnson, to General Electric Co. Combustion chamber. 2,867,267, 1-6-59, Cl. 158-1.  
Nerad, Anthony J., and D. T. Hurd, to General Electric Co. Fuel compositions. 2,894,830, 7-14-59, Cl. 52-5.  
Nerenberg, Robert W.: See—  
Bergstein, Frank D., Kleingera, and Nerenberg. 2,891,453.  
Bergstein, Frank D., and Nerenberg. 2,879,933.  
Nergaard, Arnold, to Clayton Mark & Co. Valve for water softening. 2,897,591, 8-4-59, Cl. 161-7.  
Nergaard, Arnold, to Clayton Mark & Co. Valve for water softeners. 2,897,968, 8-4-59, Cl. 210-278.  
Nerhelm, Arvie G., to Standard Oil Co. Distillation flask and mounting. 2,892,759, 6-30-59, Cl. 202-235.  
Neri, Armand A. Arrowheads. 2,909,372, 10-20-59, Cl. 273-106.5.  
Nero, Leroy W.: See—  
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Nerwin, Henry N., Jr., to United States of America, Army. Rotary stepping cam. 2,876,868, 3-10-59, Cl. 188-85.  
Nerwin, Hubert: See—  
Smith, Clarence E., Nerwin, and Moore. 2,902,913.  
Nerwin, Hubert, to United States of America, Army. Photographic camera. 2,900,887, 8-25-59, Cl. 95-44.  
Nerwin, Hubert, and D. C. Harvey, to Eastman Kodak Co. Transparency mounting device. 2,869,748, 1-20-59, Cl. 216-92.  
Nesbitt, Clifford W., to Modine Mfg. Co. Ignition carry-over for gas burners. 2,875,820, 3-3-59, Cl. 158-115.  
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Nelsen, Nieman C. 2,887,252.  
Nesbitt, John J., Inc.: See—  
McElgin, John W. 2,869,832.  
Nesh, Florence. Preparation of replica specimens for examination under electron microscope. 2,875,341, 2-24-59, Cl. 250-49.5.  
Nesler, John J., and R. E. Hall, to Gilliam Bros., Inc. Abnormal voltage protection circuit. 2,914,704, 11-24-59, Cl. 317-51.  
Ness, Odvar A., and K. N. Lambert, to Sprague Electric Co. Molded capacitors. 2,869,052, 1-13-59, Cl. 317-230.  
Ness, Walter H.: See—  
Tice, Leroy E., and Ness. 2,915,712.  
Nesset, Naunce M., to Baxter Laboratories, Inc. Needle hub seal. 2,893,389, 7-7-59, Cl. 128-214.  
Nesseth, Clifford A. Bale conveyor. 2,869,708, 1-20-59, Cl. 198-158.  
Nesseth, Clifford A. Bale conveyor. 2,885,098, 5-5-59, Cl. 214-95.  
Nesslein, Floyd F. and R. J. Holding device for disposable containers. 2,871,051, 1-27-59, Cl. 294-31.  
Nesslein, Robert J.: See—  
Nesslein, Floyd F. and R. J. 2,871,051.  
Nessler, Aldo E., and J. G. Hartman, to National Dairy Products Corp. Cheesemaking apparatus. 2,911,719, 11-10-59, Cl. 31-22.  
Nessler, Thomas G., to United States of America, Navy. Airborne store ejector bolt. 2,883,910, 4-28-59, Cl. 89-1.5.  
Nessler, Thomas G., to United States of America, Navy. Explosive powered bomb release unit. 2,912,902, 11-17-59, Cl. 89-1.5.  
Nesson, Israel, to M. Zaiger. Telescoping wiper arm. 2,871,043, 1-27-59, Cl. 287-58.  
Nesson, Israel, to M. Zaiger. Coupling for windshield wiper arms. 2,913,266, 11-17-59, Cl. 287-53.  
Nestier Corp.: See—  
Doepke, Charles W., and Aston. 2,872,058.  
Doepke, Charles W., and Aston. 2,899,107.  
Nestle, Alfred C., to The Texas Co. Determination of fluid movement in bore holes. 2,868,506, 1-13-59, Cl. 255-1.8.  
Nestlerode, Clifford D., and D. C. Felt, to Allen B. Du Mont Laboratories, Inc. Television tuner. 2,911,530, 11-3-59, Cl. 250-40.  
Nestor, Donald E.: See—  
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Nestor, Ontario H., to Union Carbide Corp. Gas shielded arc cleaning. 2,906,857, 9-29-59, Cl. 219-121.  
Nestorovic, Miroslav N. Internal combustion engine. 2,917,031, 12-15-59, Cl. 123-32.  
Nesty, Glenn A., and E. W. Pietrusza, to Allied Chemical Corp. Rubber-like copolymers and processes for their production. 2,899,409, 8-11-59, Cl. 260-75.  
Netherbert, Lyman R., and J. G. Baker. Fish lure. 2,878,611, 3-24-59, Cl. 43-42.06.  
Netherbert, Lyman R., and J. G. Baker. Fish lure. 2,878,612, 3-24-59, Cl. 43-42.31.  
Netherwood, Paul H.: See—  
Rice, Livingston L., Lamphier, and Netherwood. 2,870,385.  
Robinson, Preston, and Netherwood. 2,904,618.  
Robinson, Preston, and Netherwood. 2,904,733.  
Nettles, Forrest T., and A. Campbell, Jr. Thickness gauge. 2,892,150, 6-23-59, Cl. 324-37.  
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- Neukomm, Frederic: See—  
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- Neumann, Arthur E., 1/2 to F. Scoby. Furnace. 2,910,021, 10-27-59, Cl. 110-18.
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- Neumann, Erich. Noiseless escapement mechanism for typewriting machines. 2,913,091, 11-17-59, Cl. 197-82.
- Neumann, Erich. Casing for typewriting and like machines. 2,913,095, 11-17-59, Cl. 197-186.
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- Neumann, Gerhard, to General Electric Co. Lightweight rotor construction. 2,873,088, 2-10-59, Cl. 253-77.
- Neumann, Günther, and A. Kottler, to Dr. Karl Thomae, G.m.b.H. Aerosol antiperspirant composition preparation. 2,872,379, 2-3-59, Cl. 167-90.
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- Neumann, Horst, P. Viehmann, and H. H. Hübner, to Chas. Pfizer & Co., Inc. Stable solutions of oxytetracycline salts. 2,909,466, 10-20-59, Cl. 167-65.
- Neumann, Karl L.: See—  
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- Neworth, Martin B., J. C. Paterson, and R. P. Tarbox, to Consolidated Coal Co. Purification of aryl disulfides. 2,904,595, 9-15-59, Cl. 260-608.
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- Neville, Sidney, and T. Owen, to Metropolitan-Vickers Electrical Co., Ltd. Bolt-tensioning devices. 2,899,855, 8-18-59, Cl. 51-53.
- Nevins, Glenn D. Carpenter's tool chest. 2,895,600, 7-21-59, Cl. 206-16.
- Nevius, Searle G., to Telecomputing Corp. Electronic digitizing device. 2,901,663, 8-25-59, Cl. 315-12.
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- Newberg, Raymond G., and D. W. Young, to Esso Research and Engineering Co. Composition of high molecular weight polyisobutylene and low molecular weight styrene-isobutylene resinous copolymers. 2,917,485, 12-15-59, Cl. 260-45.5.
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- Newbold, William F., to Minneapolis-Honeywell Regulator Co. Electrical rate of flow measuring apparatus. 2,882,727, 4-21-59, Cl. 73-231.
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- Newbold, William F., to Minneapolis-Honeywell Regulator Co. Electrical control apparatus. 2,915,628, 12-1-59, Cl. 250-27.
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- Newcomb, Delmar C., to International Business Machines Corp. Record controlled machine. 2,906,400, 9-29-59, Cl. 200-110.
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- Newell, Elwin C., to Link-Belt Co. Apparatus for removing solids from a flowing stream of liquid. 2,901,113, 8-25-59, Cl. 210-158.
- Newell, Frank M., to Newell Mfg. Co. Door closer. 2,880,450, 4-7-59, Cl. 16-70.
- Newell, Fred D. Frozen food container vender. 2,874,873, 2-24-59, Cl. 221-203.
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- Newell, William H., to Sperry Rand Corp. Ford Instrument Co. Division. Flight analyzer. 2,895,670, 7-21-59, Cl. 235-61.
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- Newey, Herbert A., to Shell Development Co. Amide containing copolymers and their preparation. 2,912,416, 11-10-59, Cl. 260-80.5.
- Newey, William H., and W. S. Sterling, to Pneumatic Scale Corp., Ltd. Closure applying apparatus. 2,899,790, 8-18-59, Cl. 53-321.
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- Newkirk, Frank E., 1/2 to Gadget-Of-The-Month Club, Inc. Penknife clipper. 2,885,770, 5-12-59, Cl. 30-162.
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- Newman, Douglas A., and A. T. Schlottzauer, to Columbia Ribbon & Carbon Mfg. Co., Inc. Transfer element and method of making the same. 2,872,340, 2-3-59, Cl. 117-36.
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- Newman, Stanley R., and R. Y. Heisler, to Texaco Inc. Motor fuel compositions. 2,897,070, 7-28-59, Cl. 44-63.
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 Newsome, Joel A., Jr. Method of and means for removing condensable vapors contained in mixtures. 2,894,372, 7-14-59, Cl. 62-17.  
 Newsome, Lowell C.: See—  
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 Hazelwood, James W. 2,914,234.  
 Newton, Albert E., to United Shoe Machinery Corp. Mechanisms for feeding disk-type capacitors and like articles. 2,916,165, 12-8-59, Cl. 214-8.  
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 Newton, Alvin B. Hot fluid engine with movable regenerator. 2,907,169, 10-6-59, Cl. 60-24.  
 Newton, Alvin B. Refrigerant engine and work device. 2,909,902, 10-27-59, Cl. 62-6.  
 Newton, Amos S.: See—  
 Spedding, Frank H., and Newton. 2,882,125.  
 Newton, Chambers & Co. Ltd.: See—  
 Green, Edward R. 2,898,009.  
 Newton, Charles G., and C. E. Church, to Marvel Specialty Co. Device for counting courses in knitted fabric. 2,903,889, 9-15-59, Cl. 73-159.  
 Newton, Charles L., and L. E. White, to Herrick L. Johnston, Inc. Gas-liquid contact apparatus. 2,895,724, 7-21-59, Cl. 261-114.  
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 Newton, Joseph L., and W. H. Ford. Tire mounting and dismounting tool. 2,907,381, 10-6-59, Cl. 157-126.  
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 Newton, Perry B., Jr. Single panel illuminated instrument dial. 2,898,880, 8-11-59, Cl. 116-129.  
 Newton, Phillip S. Eye stimulator. 2,899,956, 8-18-59, Cl. 128-76.5.  
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 Anderson, Gene W., and Babcock. 2,900,919.  
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 Cervo, Gordon A. 2,918,879.  
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 Evans, Barry. 2,912,286.  
 Huber, Matthew W. 2,867,976.  
 Macklis, Stanley L. 2,889,983.  
 Orshansky, Elias, Jr. 2,870,721.  
 Rue, Robert W. 2,913,878.  
 Ruhl, Charles A. L. 2,916,050.  
 Ruhl, Charles A. L., and Worth. 2,916,049.  
 Safford, Lewis A. 2,873,579.  
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 Scatchard, Thomas L. 2,905,373.  
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 Vander Kaay, Henry A. 2,874,681.  
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 Huch, William F., Ney, and Winckler. 2,900,147.  
 Ney, Edward P., R. B. Thormess, and J. R. Winckler, to United States of America, Navy. Tension component measuring means. 2,872,808, 2-10-59, Cl. 73-144.  
 Ney, William O., Jr.: See—  
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 Ng, Clifford G. Chair or the like object, and support therefor. 2,890,744, 6-16-59, Cl. 155-191.  
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 Nial, Walter R., to General Electric Co. Supersonic airfoil. 2,916,230, 12-8-59, Cl. 244-15.  
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 Nichol, Wilbert G., to United States Steel Corp. Load restraining device. 2,905,107, 9-22-59, Cl. 108-369.  
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 Nicholas, Donald C., to B. X. Plastics Ltd. Twin contra-rotating parallel drive shaft assemblies. 2,892,362, 6-30-59, Cl. 74-665.  
 Nicholas, James H., to G & W Electric Specialty Co. Insulator for high voltage terminator. 2,879,322, 3-24-59, Cl. 174-140.  
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 Nicholas, William, to Radiant Mfg. Corp. Portable cinema-scope screen assembly. 2,888,072, 5-26-59, Cl. 160-377.  
 Nicholas, William, and H. Kozel, to Radiant Mfg. Corp. Portable tripod stand for projection screen. 2,899,164, 8-11-59, Cl. 248-171.  
 Nicholl, Christopher I. H., to Polymer Corp. Ltd. Distribution device. 2,916,360, 12-8-59, Cl. 23-288.  
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 Nicholls, Cyril M., I. Wells, and R. Spence, to United States of America, Atomic Energy Commission. Separation of uranium, plutonium and fission products. 2,908,547, 10-13-59, Cl. 23-14.5.  
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 Nicholls, Kenneth R., to Monsanto Chemical Co. Method for packaging meat. 2,893,877, 7-7-59, Cl. 99-174.  
 Nichols, Arthur F.: See—  
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 Nichols, Charles M. Universal joint. 2,903,866, 9-15-59, Cl. 64-7.  
 Nichols, Charles R., Jr., and J. A. Arsenault. Combination table and folding chair. 2,871,920, 2-3-59, Cl. 155-123.  
 Nichols & Clark, Inc.: See—  
 Nichols, Nathan P. 2,891,116.  
 Nichols, Donald E., to Collins Radio Co. Mechanical interpolator. 2,875,622, 3-3-59, Cl. 74-99.  
 Nichols, Donald E., and R. A. Swanson, to Collins Radio Co. Adjustable rotary stop mechanism. 2,918,157, 12-22-59, Cl. 192-139.  
 Nichols, Frank, 1/4 to R. Trejo, 1/4 to C. W. Brown, and 1/4 to P. Briola. Air pressure actuated beer dispenser and coil cleaner. 2,906,435, 9-29-59, Cl. 222-25.  
 Nichols, Frank C. Container rim protector. 2,873,881, 2-17-59, Cl. 220-90.  
 Nichols, Frank S.: See—  
 Liao, Tseng W., and Nichols. 2,912,382.  
 Nichols, Frank A., and S. R. Smith, Jr., to General Electric Co. Electrical insulating cement. 2,879,323, 3-24-59, Cl. 174-177.  
 Nichols, Frederick W., Jr. Apparatus for dispensing materials from collapsible tubes. 2,883,087, 4-21-59, Cl. 222-100.  
 Nichols, George E., G. A. Nelson, T. M. Casey, and R. E. Hogan, to Northrop Corp. Slipper and axle for high speed track vehicle. 2,909,129, 10-20-59, Cl. 104-134.  
 Nichols, Gerald H., to G & H Constructors, Inc. Tractor mounted side boom crane. 2,909,290, 10-20-59, Cl. 212-8.  
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 Francher, Otis E., and Nichols. 2,899,359.  
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 Nichols, Harry S.: See—  
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 Nichols, Joseph, to Ethicon, Inc. Cigarette element for tobacco smoke. 2,883,990, 4-28-59, Cl. 131-10.  
 Nichols, Joseph, and E. S. Schipper, to Ethicon, Inc. Method for preparing anhydrides of high molecular weight long-chain fatty acids. 2,877,247, 3-10-59, Cl. 260-413.  
 Nichols, Joseph, and E. S. Schipper, to Ethicon, Inc. New series of organic compounds. 2,888,466, 5-26-59, Cl. 260-348.  
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 Nichols, Kermit D., to General Motors Corp. Automobile refrigerating apparatus. 2,902,838, 9-8-59, Cl. 62-244.  
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 Rector, Floyd D., and Nichols. 2,909,863.  
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 Krokos, Raymond M., and Nichols. 2,899,842.  
 Nichols, Nathan P., to Nichols & Clark, Inc. Hearing aid device. 2,891,116, 6-16-59, Cl. 179-107.  
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 Fletcher, Frederick L., Hindley, and Nichols. 2,890,840.  
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 Nichols, Talley W. Toy rifle cartridge ejector. 2,887,809, 5-26-59, Cl. 42-54.  
 Nichols, Victor L., and I. J. Carshelis, to David & David, Inc. Apparatus for curling plastic yarn. 2,878,514, 3-24-59, Cl. 18-19.  
 Nichols, William M., to Alco Products Inc. Fuel injection equipment. 2,888,876, 6-2-59, Cl. 103-41.  
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 Nicholson, Daniel E.: See—  
 Edwards, William R., Nicholson, and Reidland. 2,875,849.  
 Nicholson, Donald M., to Nicholson Mfg., Inc. Shelter for animals. 2,875,477, 3-3-59, Cl. 20-5.  
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 Nicholson, Edward W. S., M. A. Segura, and L. Broussard, to Esso Research and Engineering Co. Hydroforming process wherein the regenerated molybdenum oxide catalyst is contacted with a sulfur compound. 2,906,698, 9-29-59, Cl. 208-136.  
 Nicholson, Frederick A. Method and apparatus for forming lumber boards from varying lengths of short waste units. 2,908,600, 10-13-59, Cl. 154-116.  
 Nicholson, G. E.: See—  
 Wild, Julius D. 2,890,508.  
 Nicholson, Gordon E., to Collins Radio Co. Shaft positioning clutch device. 2,901,067, 8-25-59, Cl. 192-17.  
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 Nichta, John J., to The Warner & Swasey Co. Machine tool. 2,885,765, 5-12-59, Cl. 29-41.  
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 Nickel, Eberhard, to Sulzer Freres S.A. Steam generating and resuperheating plant. 2,918,909, 12-29-59, Cl. 122-1.  
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 Nickell, Louis G., to Chas. Pfizer & Co., Inc. Plant growth stimulation. 2,907,650, 10-6-59, Cl. 71-2.5.  
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 Nickels, William H. Locking device. 2,900,148, 8-18-59, Cl. 244-83.  
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 Nickerson, Clifford A., to Bell Telephone Laboratories, Inc. Sound recording and reproducing apparatus. 2,880,279, 3-31-59, Cl. 178-100.2.  
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 Nickerson, John D.: See—  
 Johnson, Neal J., and Nickerson. 2,868,672.  
 Nickerson, John D., to Union Carbide Corp. Oxidation resistant articles. 2,906,632, 9-29-59, Cl. 106-56.  
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 Niclas, Walter, and R. Beckadolph, to Continental Gummi-Werke Akt. Control mechanism for use in connection with machines for making carcasses for pneumatic tires. 2,904,099, 9-15-59, Cl. 154-9.  
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 Geels, Bernardus H., and Nicolai. 2,904,638.  
 Nicolaisen, Bernard H.: See—  
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- Nicolaisen, Bernard H., to Olin Mathieson Chemical Corp. Separation of unsymmetrical dimethylhydrozine from aqueous solution containing not more than 20 percent of the former caustic soda. 2,876,173, 3-3-59, Cl. 202-39.5.
- Nicolaisen, Bernard H., and J. A. Wood, to Olin Mathieson Chemical Corp. Process for the separation of gamma benzene hexachloride. 2,911,446, 11-3-59, Cl. 260-648.
- Nicolaisen, Bernard M.: See—
- Harshman, Richard C., and Nicolaisen. 2,914,472.
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- Nicolaus, Bruno J. R.: See—
- Merian, Ernest, and Nicolaus. 2,909,561.
- Merian, Ernest, Nicolaus, and Wehrli. 2,870,137.
- Nicolaus, Frank G., to R. T. Moloney, deceased; American National Bank and Trust Co. of Chicago, executor of said Moloney. Stepper with built-in latch. 2,895,340, 7-21-59, Cl. 74-142.
- Nicolaus, Norbert, to Jas. P. Marsh Corp. Indicating instrument having non-parallax dial. 2,905,138, 9-22-59, Cl. 116-129.
- Nicoll, Vincent J. Bag sealing and printing device. 2,898,717, 8-11-59, Cl. 53-131.
- Nicoll, David, to United States of America, Atomic Energy Commission. Method and apparatus for handling radioactive products. 2,875,345, 2-24-59, Cl. 250-106.
- Nicoll, Frederick H., to Radio Corp. of America. Electrobeam tube. 2,877,369, 3-10-59, Cl. 313-82.
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- Cox, Norman L., and Nicoll. 2,910,341.
- Nicolls, Wilfrid E. W., to C. A. V. Ltd. Filters. 2,868,383, 1-13-59, Cl. 210-323.
- Nicolls, Wilfrid E. W., to C.A.V. Ltd. Liquid fuel injection systems for internal combustion engines. 2,891,530, 6-23-59, Cl. 123-139.
- Nicolls, Wilfrid E. W., to C.A.V. Ltd. Liquid fuel injection pumps for internal combustion engines. 2,918,872, 12-29-59, Cl. 103-38.
- Nicolls, Wilfrid E. W., and P. Howes, to C. A. V. Ltd. Liquid fuel injection nozzles for internal combustion engines. 2,878,064, 3-17-59, Cl. 299-107.6.
- Nicolosi, John P. F-M monodirectional deviation circuit. 2,892,981, 6-30-59, Cl. 332-16.
- Nicolson, Kingsley M., to California Research Corp. Shearing device and method for use in well drilling. 2,919,111, 12-29-59, Cl. 255-1.8.
- Nicotron Developments Ltd.: See—
- Japolsky, Nicholas S. 2,898,864.
- Niebauer, Kenneth L.: See—
- MacNeill, John B., Florschütz, and Niebauer. 2,892,057.
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- Vellnek, Gustav H., Niebergall, and Tietz. 2,907,121.
- Nieburgs, Herbert E. Treatment of microscope specimen slides. 2,899,363, 8-11-59, Cl. 167-84.5.
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- Niederer, Ernest, and J. R. Zwickl, to Refrigeration Appliances, Inc. Dual belt tightener. 2,875,626, 3-3-59, Cl. 74-242.13.
- Niederhauser, Warren D.: See—
- Boettner, Fred E., and Niederhauser. 2,892,823.
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- Niederhauser, Warren D., and E. Broderick, to Rohm & Haas Co. Secondary aliphatic amines containing tertiary carbon atoms. 2,870,267, 1-20-59, Cl. 260-583.
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- Niedrach, Leonard W., and A. C. Glamm, to United States of America, Atomic Energy Commission. Purification of uranium fuels. 2,902,415, 9-1-59, Cl. 204-1.5.
- Niedringhaus, Charles W., and D. C. Pettitt, to Knoll-Drake Products, Inc. Drawer guide. 2,872,271, 2-3-59, Cl. 312-345.
- Niedzielski, Edmund L., to E. I. du Pont de Nemours and Co. Hydrocarbon fuels. 2,891,853, 6-23-59, Cl. 52-5.
- Niegowski, Sigismund J., and A. Maggiolo, to The Welsbach Corp. Method for the recovery of azelaic acid from a mixture of oxidized acids. 2,897,231, 7-28-59, Cl. 260-485.
- Niehart, William M. Humidifying apparatus. 2,911,011, 11-3-59, Cl. 138-75.
- Niehaus, Edward J., Jr., and W. H. Gay, to Esso Research and Engineering Co. Air sweetening process for naphthas. 2,916,442, 12-8-59, Cl. 208-204.
- Nieland, Paul J.: See—
- Zeigle, Kenneth C., Nieland, and Vance. 2,878,014.
- Nield, Douglas. Display shelves. 2,911,108, 11-3-59, Cl. 211-90.
- Nielsen, A. C. Co.: See—
- Currey, Charles H. 2,881,417.
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- Freeman, Robert L., and Currey. 2,884,567.
- Nielsen, Adolph. Valve fitting for pump pressure systems. 2,873,758, 2-17-59, Cl. 137-209.
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- Nielsen, Axel L. Outboard motor pump attachment. 2,884,862, 5-5-59, Cl. 103-87.
- Nielsen, Carl T. Adjustable hinge. 2,867,838, 1-13-59, Cl. 16-131.
- Nielsen, Christian W. Flush valve guide. 2,914,774, 12-1-59, Cl. 4-57.
- Nielsen, Erick R. Force-feed lubricated chain saw bar unit. 2,913,020, 11-17-59, Cl. 143-32.
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- Nielsen, Hans B. Driving mechanism for winding-up machines. 2,917,934, 12-22-59, Cl. 74-190.5.
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- Nielsen, Milton R., to Borg-Warner Corp. Housing confined lip seal. 2,867,462, 1-6-59, Cl. 288-3.
- Nielsen, Milton R., to Borg-Warner Corp. Clutch mechanism. 2,910,159, 10-27-59, Cl. 192-45.1.
- Nielsen, Morris L.: See—
- Stone, Bobbie D., and Nielsen. 2,893,835.
- Stone, Bobbie D., and Nielsen. 2,900,358.
- Nielsen, Morris L., to Monsanto Chemical Co. Production of titanium tetraiodide. 2,904,397, 9-15-59, Cl. 23-87.
- Nielsen, Niels H. Measuring process for the recording of the intensity of signal sequences. 2,871,465, 1-27-59, Cl. 88-14.
- Nielsen, Norman C. Combination paper holder and deodorizer. 2,901,790, 9-1-59, Cl. 21-108.
- Nielsen, A. C. Co.: See—
- Rahmel, Henry A. 2,893,809.
- Nielson, Alvin R.: See—
- Gardner, Edward B., and Nielson. 2,892,733.
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- Nleman, Chauncy W., and J. B. Lawrence, to Bethlehem Apparatus Co., Inc. Polymyx gas burner. 2,911,035, 11-3-59, Cl. 158-99.
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- Niemeyer, Edward H.: See—
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- Niemeyer, Edward J. Trap for animals. 2,867,938, 1-13-59, Cl. 43-63.
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- Niems, Lee H., to Marblehead Lime Co. Apparatus for cooling particles. 2,901,837, 9-1-59, Cl. 34-167.
- Nienke, Artie D. Eccentrically offset ball joint for front wheel stub axle suspension. 2,900,196, 8-18-59, Cl. 280-96.1.
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- Nies, Nelson P.: See—
- Kroll, Wilhelm J., Nies, and Fajans. 2,893,842.
- Taylor, Donald S., and Nies. 2,886,461.
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- Mazzio, Anthony J., Niesen, Engelstad, and Du Bois. 2,895,416.
- Niesen, George P., A. J. Mazzio, and E. H. Dubois, to A. B. Dick Co. Single cycle clutch mechanism for duplicators. 2,888,874, 6-2-59, Cl. 101-132.5.
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- Baril, Albert, Jr., De Barbleris, Nieset, and Stearns. 2,911,299.
- Nieset, Robert T., to Kalvar Corp. Methods and apparatus for copying. 2,916,622, 12-8-59, Cl. 250-65.

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- Nieuwenhuis, Willem E., and J. H. F. D. Schmidt, to Shell Development Co. Regeneration of caustic solutions. 2,882,132, 4-14-59, Cl. 23-184.
- Nig Mfg. Co. Ltd., The: See—
- Jacobs, Ridley S. 2,898,835.
- Nigh, Carl L., to General Motors Corp. Bearing assembly. 2,881,033, 4-7-59, Cl. 308-91.
- Nigon, Joseph P.: See—
- McElroy, Albert D., and Nigon. 2,889,194.
- Nigrelli, Biagio J.: See—
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- Nigrelli, Biagio J., W. E. Standley, and R. B. Wittmann, to R. W. Johns, B. J. Nigrelli, and R. R. Johns. Conveyor system. 2,890,785, 6-16-59, Cl. 198-31.
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- Nigro, Joseph G. Automatic refrigerant charging system coupled with an automatic alarm to a conventional warning system. 2,893,217, 7-7-59, Cl. 62-126.
- Nihlen, Arvid C. K.: See—
- Brown, John W., Jr., and Nihlen. 2,892,451.
- Nihlman, John V., and P. H. Tanner, to United States of America, Navy. Surgical body-member stimulator for teaching first aid. 2,871,579, 2-3-59, Cl. 35-17.
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- Niklas, Wilfrid F. K. J., to North American Phillips Co., Inc. Method of increasing the work function of metal parts for example for electric discharge tubes. 2,873,223, 2-10-59, Cl. 148-4.
- Nikocraft Ltd.: See—
- Ehrmann, Ralph R. M. 2,907,137.
- Niles, Vergil A. Rod and reel holder. 2,899,769, 8-18-59, Cl. 43-21.2.
- Nilgen, Anton, to Maschinenfabrik Hasenclever A.G. Horizontal forging machine. 2,911,861, 11-10-59, Cl. 78-17.
- Nilil, Richard G., to Fort Wayne Tool Die & Engineering Co. Clamping mechanism for stator winding apparatus. 2,904,270, 9-15-59, Cl. 242-1.1.
- Nilsen Mfg. Co.: See—
- Nilsen, Peter J. 2,873,415.
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- Nilsen, Ole K., to Radio Corp. of America. Self-tuning FM detector circuit. 2,915,631, 12-1-59, Cl. 250-27.
- Nilsson, August L. Spring suspension for vehicles. 2,917,304, 12-15-59, Cl. 267-11.
- Nilsson, Bengt E., to Aktiebolaget Electrolux. Electrical appliance having detachable combined switch and connector block. 2,901,564, 8-25-59, Cl. 200-51.
- Nilsson, Einar W. Cutting apparatus. 2,899,737, 8-18-59, Cl. 29-69.
- Nilsson, Einar W. Drive mechanism for flying shears and the like. 2,899,843, 8-18-59, Cl. 74-681.
- Nilsson, Hans R., to Svenska Rotor Maskiner Aktiebolag. Rotary device. 2,868,442, 1-13-59, Cl. 230-143.
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- Nilsson, Ivar L. Filter drum for recovering fibers from liquid. 2,891,671, 6-23-59, Cl. 210-211.
- Nilsson, Karl T., and J. Vitrone, Jr., to Allied Chemical Corp. Cyclohexanone. 2,873,296, 2-10-59, Cl. 260-586.
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- Nilsson, Nils G. H., and K. A. Stridsberg. Apparatus for grinding a material suspended in a liquid. 2,909,334, 10-20-59, Cl. 241-46.
- Nilsson, Nils L.: See—
- Lock, Robert L., Nilsson, and Spurgeon. 2,884,476.
- Nilsson, Nils L., to Anderson Electric Corp. Hot line clamp. 2,867,787, 1-6-59, Cl. 330-264.
- Nilsson, Nils L., to Anderson Electric Corp. Dead end connector. 2,879,321, 3-24-59, Cl. 174-79.
- Nilsson, Nils L., and S. J. Spurgeon, to Anderson Brass Works. Shunt for power line clamps. 2,868,865, 1-13-59, Cl. 174-140.
- Nilsson, Richard, Aktiebolag: See—
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- Weiss, Josef. 2,871,135.
- Nilsson, Sten E. Apparatus for folding a running web of flexible material. 2,895,731, 7-21-59, Cl. 270-86.
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- Nimmo, Robert H.: See—
- Smiley, Seymour H., Brater, and Nimmo. 2,907,629.
- Nims, Philip A., to Crompton & Knowles Corp. Picking mechanism for loom. 2,868,234, 1-13-59, Cl. 139-147.
- Nipken, Walter. Depth control attachment for a drill or the like. 2,915,925, 12-8-59, Cl. 77-55.
- Nipp, Kenneth W.: See—
- Thompson, Joseph C., and Nipp. 2,898,169.
- Nippert Electric Products Co., The: See—
- Nippert, Paul W., and Hodge. 2,879,191.
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- Nippon Koraku K. K.: See—
- Azuma, Hideo. 2,896,506.
- Wakimoto, Zenji. 2,906,174.
- Nippon Mishin Seizo Kabushiki Kaisha: See—
- Tateishi, Toshio. 2,873,706.
- Nippon Shinyaku Co., Ltd.: See—
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- Nirmaier, Earle A.: See—
- Baumann, George P., and Nirmaier. 2,906,791.
- Niro Corp.: See—
- Nyrop, Johan E. 2,902,223.
- Nischk, Gunther: See—
- Eisenmann, Karl-Helmut, Nischk, and Holtschmidt. 2,879,250.
- Nischk, Gunther, to Farbenfabriken Bayer Aktiengesellschaft, and to Mobay Chemical Co. Isocyanate-mustard oils. 2,898,363, 8-4-59, Cl. 260-454.
- Nischk, Gunther, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of hydroxyaryl thioisocyanates. 2,908,705, 10-13-59, Cl. 260-454.
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- Nishio, Frank M.: See—  
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- Nishkian, Martin A.: See—  
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- Nison, Morris: See—  
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- Nitkiewicz, Stanley L., to Abbey Etna Machine Co. Spacer for tube forming mills. 2,890,321, 6-9-59, Cl. 219-59.
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- Nitro-Form Agricultural Chemical Co.: See—  
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- Nitsche, Claus: See—  
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- Nixon, Charles E., to Adam Consolidated Industries, Inc. Apparatus for applying flexible plastic tape to conductors. 2,910,821, 11-3-59, Cl. 57-15.
- Nixon, Delbert R.: See—  
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- Nixon, Edith M.: See—  
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- Nixon, Lawrence J. Variable pitch stairs. 2,888,182, 5-28-59, Cl. 228-48.
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- Nixon Nitration Works: See—  
Orsini, Camillo D. 2,897,541.
- Nixon, William O. Drill head with hydraulic thrust balancing means. 2,886,346, 5-12-59, Cl. 285-94.
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- Noakes, Thomas E., to American Radiator & Standard Sanitary Corp. Thermostatic flow control device. 2,902,222, 9-1-59, Cl. 236-93.
- Noakes, Thomas E., to American Radiator & Standard Sanitary Corp. Thermostatic valve having adjustable temperature setting. 2,915,248, 12-1-59, Cl. 236-12.
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- Nobel, Fred I.: See—  
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- Nobel, Fred I., and B. D. Ostrow. Improved cyanide copper plating baths. 2,891,896, 6-23-59, Cl. 204-44.
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- Nobis, John F., and R. E. Robinson, to National Distillers and Chemical Corp. Process for preparing organo sodium compounds. 2,914,578, 11-24-59, Cl. 260-665.
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- Noble, David L.: See—  
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- Noble, Jack D. Portable batching plant. 2,873,036, 2-10-59, Cl. 214-2.
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- Noble, Lowell A., and R. H. Chamberlin, to Eitel-McCullough, Inc. Electron tube socket. 2,901,678, 8-25-59, Cl. 317-257.
- Noble, Mark E. Extensible measuring rod. 2,879,598, 3-31-59, Cl. 33-125.
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- Nobles, Robert G.: See—  
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- Noches, Chrospin W. Fish lure. 2,871,609, 2-3-59, Cl. 43-42.06.
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- Noda, Shozo, to Howa Kogyo Kabushiki-Kaisha. Apparatus for winding silver around bobbin. 2,898,726, 8-11-59, Cl. 57-54.
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- Nodwell, William B. Overload sprocket for track laying vehicles. 2,893,787, 7-7-59, Cl. 305-1.
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- Noecker, Duane S.: See—  
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- Noel, Alfred E. Three dimensional picture. 2,873,545, 2-17-59, Cl. 40-160.
- Noesen, Stanley J.: See—  
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- Noeske, Heinz, and H. Kolling, to Ruhrchemie Akt. Production of cyclopentene. 2,887,517, 5-19-59, Cl. 260-666.
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- Nogier, Louis: See—  
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- Nogier, Paul and L. Injection syringe and piston. 2,882,899, 4-21-59, Cl. 128-218.
- Nogle, Charles C., to United Can and Glass Co. Magnetic feed hopper. 2,889,073, 6-2-59, Cl. 221-10.
- Nogradi, Andor T., Sr. Differential gear. 2,899,845, 8-19-59, Cl. 74-711.
- Noguchi, Yukio, M. Nakatomi, and C. Muto, to Mitsubishi Rayon Co., Ltd. Antistatic composition and preparation of the same. 2,917,401, 12-15-59, Cl. 106-287.
- Noguera, Joseph, to Casablanca High Draft Co. Ltd. Underclearers for textile fibre roller drafting mechanisms. 2,893,065, 7-7-59, Cl. 19-140.
- Noguera, Joseph, Casablanca High Draft Co. Ltd. Textile fibre drafting apparatus. 2,899,714, 8-18-59, Cl. 19-131.
- Nohl, Walter. Copying device for sewing-machine. 2,894,465, 7-14-59, Cl. 112-103.
- Nolles, Douglas G., to Westinghouse Electric Corp. Electron discharge device. 2,917,653, 12-15-59, Cl. 313-332.
- Nolima, Takeo, to Amagasaki Seitetsu Kabushiki Kaisha. Truck and wheel assembly. 2,878,070, 3-17-59, Cl. 301-5.
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- Noliri, Tatuo, to Canon Camera Co., Inc. Photographic flash-light apparatus. 2,911,809, 11-10-59, Cl. 67-31.
- Noliri, Tatuo, to Canon Camera Co., Inc. Field changing means for viewfinder. 2,917,068, 12-22-59, Cl. 88-1.5.
- Nolan, Edward J. Work-holder for a machine tool. 2,902,892, 9-8-59, Cl. 77-63.
- Nolan, James P.: See—  
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- Nolan, Ken, Inc.: See—  
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- Nolan, William J. Sliding door. 2,880,474, 4-7-59, Cl. 20-19.
- Nolan, William J., to Board of Controls, acting for the University of Florida. Continuous pulping process. 2,904,460, 9-15-59, Cl. 162-25.
- Nolan, William J. Process for separating pith from fibers. 2,905,973, 9-29-59, Cl. 19-8.
- Noland, Jesse: See—  
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- Noland, Robert A.: See—  
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- Noland, Robert A., and C. C. Stone, to United States of America. Atomic Energy Commission. Method of making composite fuel elements. 2,902,590, 9-1-59, Cl. 219-118.
- Noland, Robert L., to Reinhold Engineering & Plastics Co., Inc. Plastic pipe bend and method for making same. 2,878,038, 3-17-59, Cl. 285-35.
- Noland, Robert L., to Reinhold Engineering & Plastics Co., Inc. End connector embedded in a rigid non-metallic tube. 2,882,072, 4-14-59, Cl. 285-114.
- Noland, Wayne B., to Woodford Mfg. Co. Means for multiple positioning of wheel. 2,880,431, 4-7-59, Cl. 14-72.
- Nolde, George V., and J. A. Brustman, to Radio Corp. of America. Information storage apparatus. 2,918,656, 12-22-59, Cl. 340-173.
- Nolden, William F., and C. F. Robbins, to Cutler-Hammer, Inc. Manually operated rotary selector switches. 2,879,368, 3-17-59, Cl. 200-16.
- Nolden, William F., and C. F. Robbins, to Cutler-Hammer, Inc. Mounting and operating means for electric switch mechanisms. 2,896,034, 7-21-59, Cl. 200-16.
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- Nolden, William F., and C. F. Robbins, to Cutler-Hammer, Inc. Operating means for electric circuit controlling devices. 2,908,776, 10-13-59, Cl. 200-4.
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- Hatcher, Robert L. 2,909,113.
- Nolt, Edwin B., to Sperry Rand Corp. Adjustable wind-guard for baler pick-up. 2,872,772, 2-10-59, Cl. 56-364.
- Nolt, Edwin B. Hay baler infeed mechanism. 2,884,850, 5-5-59, Cl. 100-142.
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- Musgrave, Barrington L. 2,889,439.
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- Nolte, Arthur C.: See—  
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- Nolte, Claude B., to Barton Instrument Corp. Vented seal. 2,917,081, 12-15-59, Cl. 137-791.
- Nolte, Henry J., to General Electric Co. Metalizing ceramics. 2,904,456, 9-15-59, Cl. 117-212.
- Noltin, Frederick, and A. J. Martini, to The Oscar C. Rixson Co. Hold-open means for automatic door closing apparatus. 2,887,194, 5-19-59, Cl. 189-49.
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- Nomine, Gerard T.: See—  
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- Nommensen, Erwin W., to Esso Research and Engineering Co. Hydrotreating hydrocarbon solvents to improve odor and color. 2,916,445, 12-8-59, Cl. 208-264.
- Nonnamaker, William M., to The Firestone Tire & Rubber Co. Valve construction. 2,905,221, 9-22-59, Cl. 152-341.
- Nonnenmacher, Helmut, W. Oettinger, and O. Reitz, to Badische Anilin- & Soda-Fabrik Akt. Catalytic pressure refining of hydrocarbons of low boiling point in the presence of a mixture of CO and hydrogen. 2,884,370, 4-28-59, Cl. 208-97.
- Nonomaque, Clyde J., to General Electric Co. Refrigerating system including a hot gas defrosting circuit. 2,895,307, 7-21-59, Cl. 62-156.
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- Noodleman, Samuel, to The Standard Dayton Corp. Magnetic clutch. 2,890,356, 6-9-59, Cl. 310-105.
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- Nordberg, Martin E., to Corning Glass Works. Aperture mask treatment to prevent cathode poisoning. 2,908,838, 10-13-59, Cl. 313-85.
- Nordby, Roger M., to Zenith Radio Corp. High voltage connector. 2,882,430, 4-14-59, Cl. 313-64.
- Nordgren, Sven-Ake, to Vibro-Plus Corp. Arrangement in pendulum vibrators. 2,881,620, 4-14-59, Cl. 74-89.
- Nordell, Carl H. Valve stem seal. 2,912,266, 11-10-59, Cl. 286-31.
- Nordell, Carl H. Transfer and comminuting device. 2,918,171, 12-22-59, Cl. 210-159.
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 Sa Leque, David F., and Higbee. 2,876,963.  
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 Spencer, C. Richard, and Nagy. 2,876,547.  
 Sprague, Richard E., and Eckdahl. 2,886,243.  
 Steele, Floyd G. 2,872,106.  
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 Tauscher, Vernon A. 2,876,655.  
 Taylor, Allan J. 2,896,909.  
 Tener, Wallis M. 2,886,255.  
 Tuttle, Kenneth B., and Keene. 2,900,136.  
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 Walker, Claude E. 2,871,703.  
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 Blumenthal, Irwin S., Chiles, Larsen, and Stevenson. 2,891,725.  
 Brooks, William O. 2,898,410.  
 Graham, Connelly L. 2,898,588.  
 Hatchett, George L. 2,917,601.

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 Lee, Mortimer. 2,891,439.  
 Magnuson, Vernon P., Hagen, and Williams. 2,912,160.  
 Marygold, George E. 2,904,294.  
 Nicols, George E., Nelson, Casey, and Hogan. 2,909,129.  
 Rice, Rex, Jr., Dilling, and Tyson. 2,898,175.  
 Rubinstein, Stanley. 2,892,049.  
 Taylor, Allan J., and Toth. 2,901,201.  
 Warsap, Leo W., Muller, and Lillibridge. 2,891,427.  
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 Kobs, Roger D. 2,867,946.  
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Northrup, Willard F., to International Business Machines Corp. Pressure sensitive tape dispenser and applier. 2,919,044, 12-29-59, Cl. 216-29.

North Texas Mfg. Corp.: See—  
 Melton, Clyde R. 2,876,276.

Northup, Ernest L. Gate valve. 2,896,904, 7-28-59, Cl. 251-147.

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 Steiner, Robert T. 2,872,075.

Northwest Equipment Co., Inc.: See—  
 Lindeman, Joseph F., and Dobbs. 2,910,193.

Northwestern Corp., The: See—  
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Northwestern Steel & Wire Co.: See—  
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North Woods Coffee Co.: See—  
 Chase, Fletcher A., Lee, and Montgomery. 2,911,302.

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 Ault, Neil N. 2,876,121.  
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 Bibbins, Gareth L. 2,906,007.  
 Coes, Loring, Jr. 2,867,060.  
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 Hill, Olva E. 2,895,265.  
 Hill, Olva E. 2,897,639.  
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 Hill, Olva E. 2,907,315.  
 Irany, Ernest P. 2,892,811.  
 Martin, Dana W. 2,887,828.  
 Silven, Herbert A. 2,893,171.  
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 Smith, Ian B. 2,877,105.  
 Wohler, Charles S. 2,876,087.  
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Norton, Ralph S., to McGraw-Edison Co. Apparatus and method for determining phase angles. 2,880,391, 3-31-59, Cl. 324-89.

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- Norton, William H., to Thermel, Inc. Temperature controlled press. 2,874,751, 2-24-59, Cl. 154-1.
- Norton, William H., to Thermel, Inc. Heating assembly and method of production thereof. 2,875,312, 2-24-59, Cl. 219-19.
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Howard, John C. 2,906,752.  
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Natt, Michael P. 2,890,982.
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- Norwood, Donald W. Exposure calculator for flashlight photography. 2,870,670, 1-27-59, Cl. 88-2.4.
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- No-Sag Spring Co.: See—  
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- Nosal, Paul: See—  
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- Nosco Plastics, Inc.: See—  
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- Nostrand, Elbert D.: See—  
Lovett, William E., and Nostrand. 2,918,359.
- Nostrand, Robert F.: See—  
Breisch, Michael A., and Nostrand. 2,891,187.
- Notarbartolo, Luigi: See—  
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- Nothum, William: See—  
Hunter, Joseph, Kelley, and Nothum. 2,918,428.
- Notredame, Prosper P., and W. de Back, to International Machinery Corp. S.A. Machines for filling cases, cartons or other packages with containers such as cans. 2,904,944, 9-22-59, Cl. 53-61.
- Nottebrock, Heinrich, to J. Weber. Simplified extractor apparatus. 2,907,641, 10-6-59, Cl. 23-272.6.
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- Nottes, Guenther: See—  
Von Schiekh, Otto, and Nottes. 2,905,540.
- Nottmeyer, Paul, to Lawncraft Mfg. Corp. Rotary lawn mower with grass guide. 2,880,563, 4-7-59, Cl. 56-25.4.
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Kleinvogel, Hans-Joachim, and Notzold. 2,883,600.
- Nourse, Robert A. Safety device for hydraulic systems. 2,889,903, 6-9-59, Cl. 192-1.
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Cookston, Jack W. 2,905,545.
- Nova-Cast Inc.: See—  
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- Novak, Warren D., to General Electric Co. Object positioning apparatus with electric sensing means. 2,878,873, 3-24-59, Cl. 164-117.
- Novak, Warren D., to General Precision Laboratory Inc. Rotary motion storage device. 2,917,928, 12-22-59, Cl. 74-1.
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- Novello, Frederick C., to Merck & Co., Inc. 8-methyl-5-oxo-phenyl hexahydroindan compounds. 2,886,589, 5-12-59, Cl. 260-476.
- Novello, Frederick C., to Merck & Co., Inc. 6-nitro-7-sulfamyl-benzothiadiazine-1,1-dioxides. 2,910,473, 10-27-59, Cl. 260-243.
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- November, Milton H., to Breeze Corporations, Inc. Metal convolution tubing. 2,876,801, 3-10-59, Cl. 138-50.
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- Novion, Armand: See—  
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- Novitas N.V.: See—  
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- Novkov, Raymond E.: See—  
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Juncher, Henning O. 2,882,902.
- Petersen, Karl, Schlichtkrull, and Hallas-Möller. 2,882,202.
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- Novotny, Milton A. Discharge control apparatus for powder fire extinguisher. 2,904,305, 9-15-59, Cl. 251-175.
- Novotny, Raymond J.: See—  
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- Novy, Louis E., to United States of America, Air Force. Composition containing poly-1, 1-dihydroxyperfluorobutyl acrylate, silicon dioxide, carbon black and curing agent. 2,900,355, 8-18-59, Cl. 260-28.5.
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- Noyes, Joseph C., Jr.: See—  
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- Noyes, Robert D.: See—  
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- Noyes, William T. Marking guide. 2,907,113, 10-6-59, Cl. 33-189.
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- Nuber, Kenneth J.: See—  
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- Nu-Bilt Homes, Inc.: See—  
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- Nuclear-Chicago Corp.: See—  
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- Nunamaker, James A.: See—  
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- Nussbaum, Alexander L., and E. P. Oliveto, to Schering Corp. 1,5-pregnadiene and processes for their manufacture. 2,908,696, 10-13-59, Cl. 260-397.45.
- Nussbaum, Marvin L.: See—  
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- Nussbaumer, Anton: See—  
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- Nussbaumer, Ernst A., to Grovar, Inc. Differential drive. 2,917,948, 12-22-59, Cl. 74-687.
- Nussbaumer, Hermine: See—  
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- Nutone, Inc.: See—  
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- Nutter, Hugh G., to Automatic Parking Devices, Inc. Parking area space vending apparatus. 2,874,819, 2-24-59, Cl. 194-9.
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- Nyberg, Curt E., to Whirlpool Corp. Vacuum cleaner. 2,875,466, 3-3-59, Cl. 15-325.
- Nyberg, James J., to Thompson Ramo Wooldridge Inc. Superconductive logical circuits. 2,877,448, 3-10-59, Cl. 340-173.
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- Nyberg, Magnus N., to Hydraulic Elevator & Machine Co., Inc. Automatic elevator control. 2,913,070, 11-17-59, Cl. 187-29.
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- Nye, Dudley D., Jr., and F. L. Maltby, to Robershaw-Fulton Controls Co. Scanning control system. 2,885,576, 5-5-59, Cl. 307-149.
- Nye, Norman H., and A. J. Ruggles, said Nye assor. to Pen-Mac-Nye Co. Rain cape. 2,911,651, 11-10-59, Cl. 2-84.
- Nye, Robert G. Protective shields for electronic devices. 2,883,446, 4-21-59, Cl. 174-35.
- Nye, Robert G. Propeller noise simulator. 2,898,587, 8-4-59, Cl. 340-384.
- Nye, Robert G., E. E. McCown, and R. H. Harwood. Repairable plug-in package unit. 2,903,626, 9-8-59, Cl. 317-101.
- Nygaard, John C., to High Voltage Engineering Corp. Electron irradiation apparatus. 2,887,584, 5-19-59, Cl. 250-49.5.
- Nygaard, John C., to High Voltage Engineering Corp. Corrugated waveguide. 2,892,958, 6-30-59, Cl. 315-54.2.
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- Nystrand, Ernst D., to Paper Converting Machine Co., Inc. Web winding mandrel. 2,901,192, 8-25-59, Cl. 242-75.5.
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- Ohnacker, Gerhard: See—  
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 Olsen, Joseph. Bench clamp. 2,896,681, 7-28-59, Cl. 144-304.  
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 Olsen, Olaf C., to Charnell, Inc. Oil separator in refrigeration apparatus. 2,875,592, 3-3-59, Cl. 62-192.  
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 Olsen, Sigurd I. Locking mechanism for vulcanizing machines. 2,878,516, 3-24-59, Cl. 18-38.  
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 Olsen, Zenny: See—  
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 Olson, Axel V. Combined flashlight and electric circuit tester. 2,899,638, 8-11-59, Cl. 324-53.  
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 Olson, Carl F. Outboard motor stand and dolly. 2,916,292, 12-8-59, Cl. 280-47.13.  
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 Olson, Floyd C., and E. W. Turner, to Oscar Mayer & Co., Inc. Preservation of cured meat color. 2,898,212, 8-4-59, Cl. 99-174.  
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 Olson, Gordon A.: See—  
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 Olson, Herbert R., to Swaby Mfg. Co. Submersible sump pump. 2,918,010, 12-22-59, Cl. 103-87.  
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 Olson, Melvin M., to Pittsburgh Plate Glass Co. Method of modifying alkyl resins with alkoxy polysiloxanes. 2,877,202, 3-10-59, Cl. 260-45.4.  
 Olson, Melvin M., and R. M. Christenson, to Pittsburgh Plate Glass Co. Fatty acid esters modified by ethenically unsaturated silane compounds. 2,894,922, 7-14-59, Cl. 260-18.  
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 Olson, Norman L., to General Dynamics Corp. Control circuit. 2,867,724, 1-6-59, Cl. 250-27.  
 Olson, Orben M. Retractable safety belts. 2,905,231, 9-22-59, Cl. 155-189.  
 Olson, Ralph H., to Owens-Illinois Glass Co. Machine for press molding glassware. 2,881,564, 4-14-59, Cl. 49-38.  
 Olson, Ralph H., to Owens-Illinois Glass Co. Apparatus for blanket charging glass batch in a glass furnace. 2,910,195, 10-27-59, Cl. 214-18.2.  
 Olson, Ralph H., to Owens-Illinois Glass Co. Method for blanket charging glass batch in a glass furnace. 2,910,200, 10-27-59, Cl. 214-152.  
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- Olson, Veri O., to General Dynamics Corp. Turnbuckle. 2,905,491, 9-22-59, Cl. 287-61.
- Olson, Wallace F.: See—  
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- Olson, Walter J.: See—  
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- Olson, Walter J., F. B. Parsons, and G. I. Schrank, to Specialties Development Corp. Control mechanism for fluid distributing systems. 2,893,208, 7-7-59, Cl. 60-62.5.
- Olson, William N., to International Harvester Co. Spring equalizer for four-row planter. 2,871,964, 2-3-59, Cl. 172-624.
- Olsson, Axel O., and J. J. Dahl, to J. Dahl & Son A. B. Milling machine for cylindrical stereotype platens or the like. 2,871,766, 2-3-59, Cl. 90-20.
- Olsson, Carl O.: See—  
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- Olsson, Karl G.: See—  
Janelid, Erik I., and Olsson. 2,896,929.  
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- Olsson, Karl G., to Casius Corp. Ltd. Apparatus for treating castings of lightweight concrete in open casting molds. 2,893,204, 7-21-59, Cl. 25-1.
- Olsson, Karl G., to Casius Corp. Ltd. Apparatus particularly for the removal of the upper expansion layer from open casting moulds in the manufacture of porous light-weight concrete. 2,896,298, 7-23-59, Cl. 25-104.
- Olsson, Paul: See—  
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- Olsson, Sven M. J., and V. Martinson, to Sunrod Mfg. Corp. Electrode clamp. 2,911,455, 11-3-59, Cl. 13-16.
- Olstad, Carl P., to Waxide Paper Co. Method for cooling and setting wax coatings on paper. 2,877,140, 3-10-59, Cl. 117-103.
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- Olszewski, John K., to Western Electric Co., Inc. Drop bottom bins. 2,899,082, 8-11-59, Cl. 214-317.
- Olvey, Charles L., to The Wood Shovel and Tool Co. Collapsible cart. 2,901,261, 8-25-59, Cl. 280-36.
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- Westinger, Karl, Altenburger, and Hirt. 2,905,381.
- O'Maley, James B., J. W. Barnes, and P. D. Hansell, to Kollman Instrument Corp. Light tracking device. 2,905,828, 9-22-59, Cl. 250-203.
- O'Malley, Vincent J., and J. R. Murphy. Livestock feeder. 2,886,002, 5-12-59, Cl. 119-77.
- O'Mara, Edward A., to Minnesota Mining and Mfg. Co. Radiation exposure unit. 2,903,546, 9-8-59, Cl. 219-19.
- O'Mara, Joseph B., to Anaconda Wire and Cable Co. Pot-head. 2,903,501, 9-8-59, Cl. 174-19.
- Omark Industries, Inc.: See—  
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- O'Meara, Thomas R., and H. D. Webb, to United States of America, Navy. Apparatus for recording information from radio direction finders. 2,907,029, 9-29-59, Cl. 343-113.
- Omega Aircraft Corp.: See—  
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- Omletanski, George M., to The Ohio State University Research Foundation. Hydrazinium hexafluorophosphate salts. 2,885,399, 5-5-59, Cl. 260-247.5.
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- Omley, Herbert A. Metal-to-ceramic seal. 2,917,140, 12-15-59, Cl. 189-36.5.
- O'Morrow, William D. Lighting fixture. 2,892,074, 6-23-59, Cl. 240-10.
- Omps, James R. Resiliently mounted bumper for vehicles. 2,873,994, 2-17-59, Cl. 293-86.
- Omwake, Warren S., to Landis Machine Co. Grinding wheel dressing mechanism. 2,891,534, 6-23-59, Cl. 125-11.
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- Onanian, Richard A. Construction set. 2,885,822, 5-12-59, Cl. 46-26.
- Oncley, Paul B., to Gulton Industries, Inc. Valve for flow control of liquids. 2,902,251, 9-1-59, Cl. 251-129.
- Ondeck, Elmer J., to Supreme Products Corp. Chuck with ball locking means. 2,893,743, 7-7-59, Cl. 279-9.
- Ondeck, Elmer J., to Supreme Products Corp. Cam chuck. 2,910,302, 10-27-59, Cl. 279-22.
- Ondeck, Elmer J., to Supreme Products Corp. Rotary impact attachment. 2,916,117, 12-8-59, Cl. 192-3.5.
- Onder, Kerim, to A. L. Tirico. High fidelity push-pull amplifiers. 2,895,018, 7-14-59, Cl. 179-171.
- Onderko, Joseph J.: See—  
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- Ondrejka, Albert A., to United States of America, Air Force. Self-cushioning modular-form transit case. 2,885,070, 5-5-59, Cl. 206-1.
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- O'Neal, Bert W. Apparatus for lead welding of roof flashings. 2,909,137, 10-20-59, Cl. 113-99.
- O'Neal, Everett A. Dual sun visor bracket and assembly. 2,912,275, 11-10-59, Cl. 296-97.
- O'Neill, Charles S., to Hamilton Mfg. Co. Cabinet construction. 2,905,519, 9-22-59, Cl. 312-350.
- O'Neill, Edward D.: See—  
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- O'Neill, James E., and J. Munich. Fire extinguishers. 2,877,853, 3-17-59, Cl. 169-31.
- O'Neill, John G., to Safe-Pack Container Co. Container. 2,891,713, 6-23-59, Cl. 229-51.
- O'Neill, John G. Disposable drinking cup structure. 2,915,176, 12-1-59, Cl. 206-47.
- O'Neill, John G., to Safe-Pack Container Co. Apparatus for forming containers. 2,915,952, 12-8-59, Cl. 93-82.
- O'Neill, John W. Irrigation gauge. 2,907,206, 10-6-59, Cl. 73-171.
- O'Neill, William E. Carburetor. 2,868,322, 1-13-59, Cl. 261-50.
- O'Neill, Cormac G., to Engineering Research and Application Ltd. Self adjusting tappets. 2,880,710, 4-7-59, Cl. 123-90.
- O'Neill, James C. All weather clothes line. 2,889,052, 6-2-59, Cl. 211-104.
- O'Neill, John J., Jr., to Olin Mathieson Chemical Corp. Manufacture of electric blasting caps. 2,867,147, 1-6-59, Cl. 56-1.
- O'Neill, John J., Jr., to Olin Mathieson Chemical Corp. Nitrocellulose particles. 2,885,736, 5-12-59, Cl. 18-48.
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- O'Neill, Ralph A. Releasable locking mechanism for telescoping members. 2,892,647, 6-30-59, Cl. 287-58.
- O'Neill, Richard J., to Thompson Ramo Wooldridge Inc. Mounting clip. 2,916,159, 12-8-59, Cl. 211-89.
- O'Neill, Richard J., and D. L. MacIntyre, to Thompson Ramo Wooldridge, Inc. Electronic plug-in unit handle. 2,893,777, 7-7-59, Cl. 294-1.
- O'Neill, Robert C., to Merck & Co., Inc. Substituted amide-1,4-diacylperazine complexes. 2,881,157, 4-7-59, Cl. 260-96.5.
- O'Neill, Robert C., and R. J. Tull, to Merck & Co., Inc. Method of preparing lysine. 2,877,220, 3-10-59, Cl. 260-239.3.
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- O'Neill, William A., to Imperial Chemical Industries Ltd. Purification of terephthalic acid. 2,899,466, 8-11-59, Cl. 260-525.
- O'Neill, William R. Positioning apparatus for driven means. 2,913,655, 11-17-59, Cl. 318-467.
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- Onisko, John, Jr., to J. R. Watson. Coil winding machine. 2,916,221, 12-8-59, Cl. 242-4.
- Onken, Bert G. Adding and subtracting means. 2,917,234, 12-15-59, Cl. 235-66.
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- Onksen, George W., R. N. Falge, and H. C. Mead, to General Motors Corp. Testing and calibrating apparatus. 2,909,724, 10-20-59, Cl. 324-24.
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- Ono, Iwao. Processes and apparatuses for producing plastic nets and the like. 2,895,535, 7-21-59, Cl. 154-1.7.
- Onofri, Bruno. Resistance supporting plate, and process for its manufacture. 2,916,597, 12-8-59, Cl. 219-37.
- Onondaga Pottery Co.: See—  
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- Ontario Paper Co. Ltd.: See—  
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- Opalite, Inc.: See—  
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- Opderbeck, Fritz, E. Franke, and G. Trapp, to Phrix-Werke Akt. Method for producing alcohol from waste sulphite cellulose liquors. 2,893,919, 7-7-59, Cl. 195-39.
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- Opfermann, Adolf C. J. Iron-containing organic compounds. 2,890,233, 6-9-59, Cl. 260-439.
- Opheim, Milton H., and B. Franzus, to Phillips Petroleum Co. Polymerization of thiovinyl ethers and products. 2,877,214, 3-10-59, Cl. 260-79.7.
- Ople, Joseph W.: See—  
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- Ople, Kenneth M. Wall bracket. 2,886,278, 5-12-59, Cl. 248-274.
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- Opitz, Wolfgang, and W. Urbanski, to Knapsack-Griesheim Akt. Process for preparing ketones. 2,891,095, 6-16-59, Cl. 260-506.
- Oppliger, Kirk A., to Westinghouse Electric Corp. Elevator control system. 2,874,806, 2-24-59, Cl. 187-29.
- Opocensky, Willard J., to Librascope, Inc. Transfer mechanism. 2,881,630, 4-14-59, Cl. 74-435.
- Opocensky, Willard J., to Librascope, Inc. Bearing spacer. 2,911,855, 11-10-59, Cl. 74-713.
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- Opp, Walter H.: See—  
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- Oppgaard, Alfred L., to E. I. du Pont de Nemours and Co. Ruthenium-modified chromium oxide ferromagnetic compositions, their preparation and use. 2,885,365, 5-5-59, Cl. 252-62.5.
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- Oppenheimer, Frank F., to United States of America, Atomic Energy Commission. Ion producing mechanism. 2,882,411, 4-14-59, Cl. 250-41.9.
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- Oppel, Lincoln L., to The Dayton Rubber Co. Variable speed belt drive. 2,916,927, 12-15-59, Cl. 74-230.17.
- Opperman, S. E., Ltd.: See—  
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- Opperthaus, Orval A.: See—  
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- Oppiger, Walter, E. Peyer, H. Schenkel, and K. Glenz, to Durand & Huguenin A.G. Process for the manufacture of water-soluble salts of sulphuric acid esters of leuco vat dyestuffs of the anthraquinone series. 2,918,475, 12-22-59, Cl. 260-316.
- Opsahl, Eugene G., to American Steel Foundries. Brake beam. 2,873,824, 2-17-59, Cl. 188-226.1.
- Opstnik, William. Insulated container with pouring spout and air vent. 2,909,305, 10-20-59, Cl. 222-466.
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- Optical Gaging Products, Inc.: See—  
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- OPTOMechanisms, Inc.: See—  
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- Oram, John A., to Air Trainers Link Ltd. Servo motor with adjustable stiffness control means. 2,918,904, 12-29-59, Cl. 121-41.
- Oram, John A., and H. J. Sherry, to Link Aviation, Inc. Coil-winding machine. 2,912,177, 11-10-59, Cl. 242-9.
- Oram, Mary M.: See—  
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- Oram, Norman. Machine dial control. 2,868,154, 1-13-59, Cl. 116-115.5.
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- Orbit Industries, Inc.: See—  
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- Orchard Brothers Incorporated: See—  
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- Orchard, David W., to The National Key Co. Combined machine frame and motor mounting. 2,870,351, 1-20-59, Cl. 310-59.
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- Orcutt, Shirley N., trading as J. J. Cress Co. of New Jersey: See—  
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- Ord, Lewis R. Hose clamp. 2,907,086, 10-6-59, Cl. 24-19.
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- Ordorica, Miguel A., to Bank of America National Trust and Savings Association. Vehicle suspension system. 2,894,592, 7-14-59, Cl. 180-45.
- Ordorica, Vincent: See—  
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- Ordway, Harold W., and P. A. Guerelo, to Chas. Pfizer & Co., Inc. Recovery of rescinamine. 2,876,228, 3-3-59, Cl. 260-287.
- O'Rear, Jacques G., and P. D. Faurote, to United States of America, Navy. Polyfluoroalkyl p-toluenesulfonates. 2,894,971, 7-14-59, Cl. 260-456.
- Orchaugh, Lowell H. Fish lures. 2,904,922, 9-22-59, Cl. 43-42.32.
- Orechlo, Frank A. Thermal time delay relay. 2,913,554, 11-17-59, Cl. 200-122.
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- Orehschl, Michael A., and R. L. Stephenson, to United States Steel Corp. Method of preventing edge cracking in the rolling of stainless steel. 2,898,667, 8-11-59, Cl. 29-18.
- O'Reilly, Edward J., to The C. E. Ward Co. Mortar board cap. 2,880,423, 4-7-59, Cl. 2-192.
- O'Reilly, Joseph A. Multi-cellular carton. 2,867,370, 1-6-59, Cl. 229-28.
- O'Reilly, Joseph A. Necktie clip. 2,907,045, 10-6-59, Cl. 2-150.
- O'Reilly, Wallace M.: See—  
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True, Martin E., and O'Reilly. 2,876,979.
- Orelli, Daniel, and R. Beaunesne. Cyclone separator. 2,906,404, 9-29-59, Cl. 210-512.
- Orenda Engines Ltd.: See—  
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Heard, William L. 2,886,351.  
Klompas, Nicholas, and Purvis. 2,917,276.  
Lazarowicz, Gustaw. 2,868,339.  
Mackay, Charles G. 2,876,622.  
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Ruppel, Carl D. 2,918,010.  
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- Orendoff, John W., to International Harvester Co. Attachment for planters and the like. 2,869,491, 1-20-59, Cl. 111-86.
- Orendoff Mfg. Co.: See—  
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- Orenstein, Hyman: See—  
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- Orenstein-Koppel und Lubecker Maschinenbau Akt.: See—  
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 Homan, Jan D. H. 2,881,114.  
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- O'Riley, Thomas F. Garment hangers. 2,891,706, 6-23-59, Cl. 223-91.
- Oriol, Andre: See—  
 Lachiche, Julien, and Oriol. 2,902,720.
- O'Riordan, John E. Automatic knife sharpener and holder. 2,893,178, 7-7-59, Cl. 51-214.
- Oritt, Florence O., 1/2 to J. Oritt. Metallic foil food packaging and cooking envelope. 2,881,078, 4-7-59, Cl. 99-171.
- Oritt, Jack: See—  
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- Orijala, Wayne W. Tool attaching device. 2,874,489, 2-24-59, Cl. 37-117.5.
- Oriacchio, Anthony W., to Gulton Industries, Inc. Blast gauge. 2,875,352, 2-24-59, Cl. 310-8.1.
- Orlando, Carl, to United States of America, Army. Automatic repeating relay. 2,892,054, 6-30-59, Cl. 307-132.
- Orlando, Vincent A., to General Electric Co. Gyroscopically stabilized compass system. 2,914,863, 12-1-59, Cl. 33-222.
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- Orioff, George, and A. Cameron-Johnson, to British Messier Ltd. Hydraulic systems. 2,867,091, 1-6-59, Cl. 60-97.
- Orioff, George, and B. C. Smithers, to British Messier Ltd. Seals for pistons, glands and the like. 2,876,025, 3-3-59, Cl. 286-26.
- Orioff, Harold D., and F. X. Markley, to Ethyl Corp. Dimethyl-(monochlorotolyl)-phosphate. 2,870,186, 1-20-59, Cl. 280-461.
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- Ormond, Alfred N. Adjustable gating circuit. 2,872,597, 2-3-59, Cl. 307-133.
- Ormond, Alfred N. Force measuring instrument. 2,918,816, 12-29-59, Cl. 73-147.
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- Ormsby, George S.: See—  
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- Ormsby, George S., to Phillips Petroleum Co. Casing cementing back pressure valve and its operation. 2,907,392, 10-6-59, Cl. 166-224.
- Ormsby, George S., and R. A. Bobo, to Phillips Petroleum Co. Pressure release lock. 2,888,990, 6-2-59, Cl. 166-225.
- Orner, Allan, to The Magnavox Co. Card processing apparatus. 2,901,247, 8-25-59, Cl. 271-5.
- Orner, Harry. Apparatus for screw tensioning to elongation values. 2,889,729, 6-9-59, Cl. 81-52.4.
- Orner, Harry. Ball-bearing screw and nut mechanism. 2,895,343, 7-21-59, Cl. 74-459.
- Orner, Harry. Reversing traverse mechanism. 2,907,219, 10-6-59, Cl. 74-58.
- Ornitz, Nathaniel B., to Blaw-Knox Co. Metal casting. 2,897,557, 8-4-59, Cl. 22-216.
- Orosnik, William, to Ortho Pharmaceutical Corp. 4-methyl-4-phenyl-5-pyrazolone. 2,878,263, 3-17-59, Cl. 260-310.
- Orosnik, William, to Ortho Pharmaceutical Corp. Preparation of 1-ene,3,5-diene,4-methyl-hexane. 2,912,474, 11-10-59, Cl. 260-678.
- Orosnik, William, to Ortho Pharmaceutical Corp. Aldehyde adducts of 2-amino-5-nitrothiazole. 2,915,526, 12-1-59, Cl. 260-308.8.
- Orosnik, William, and W. H. Haffke: said Orosnik assor. to Ortho Pharmaceutical Corp. Ferrous citrate complex. 2,904,573, 9-15-59, Cl. 260-439.
- O'Rourke, Donald J., to General Motors Corp. Mechanical movement device. 2,875,632, 3-3-59, Cl. 74-424.8.
- O'Rourke, John J., to Mars, Inc. Chocolate product and process. 2,904,438, 9-15-59, Cl. 99-24.
- O'Rourke, Nell, to United States of America, Navy. Simplified boundary layer control for a jet. 2,892,582, 6-30-59, Cl. 230-95.
- O'Rourke, Nell W. Variable result game apparatus. 2,873,119, 2-10-59, Cl. 273-138.
- O'Rourke, Nell W. Electrical game apparatus. 2,893,733, 7-7-59, Cl. 273-1.
- Orr, Charles P., to Spray Products Corp. Engine priming line attachment for dashboards. 2,894,716, 7-14-59, Cl. 251-148.
- Orr, Charles P., to Spray Products Corp. Dual seal closure gasket. 2,916,174, 12-8-59, Cl. 215-43.
- Orr, Clifford M.: See—  
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- Orr, Clyde, Jr., to The Georgia Tech Research Institute. Electrical resistance paint capable of forming a heating film. 2,883,307, 4-21-59, Cl. 117-216.
- Orr, Clyde, Jr., and B. L. Hinkle, to Georgia Tech Research Institute. Method and apparatus for measuring electrical charge on aerosol particles. 2,909,960, 10-27-59, Cl. 88-14.
- Orr, Franklin M.: See—  
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- Orr, Palmer, to Borg-Warner Corp. Power steering devices. 2,877,656, 3-17-59, Cl. 74-388.
- Orr, Robert H., and E. Meripol, 1/2 to said R. H. Orr, and 1/2 to W. R. Kallian. Parking lot control system. 2,906,505, 9-29-59, Cl. 256-1.
- Orr, Robert V., to Bendix Aviation Corp. Radiosonde transmitter. 2,883,537, 4-21-59, Cl. 250-36.
- Orr, Stanley C., and D. E. Kropp, to Pfaunder Permutit Inc. Heat exchanger. 2,868,513, 1-13-59, Cl. 257-236.
- Orr, Willis P., to Jersey Production Research Co. Removal of debris from well bores. 2,902,095, 9-1-59, Cl. 166-170.
- Orscheln, Albert J. Scraper blade attachments for tractors having hydraulically-controlled draw bars. 2,883,776, 4-28-59, Cl. 37-155.
- Orser, Lawrence D.: See—  
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- Orser, Lawrence D., to Chamberlain Corp. Pressure accumulator. 2,895,507, 7-21-59, Cl. 138-30.
- Orser, Lawrence D., to Chamberlain Corp. Shelf and supporting bracket therefor. 2,895,617, 7-21-59, Cl. 211-93.
- Orser, Lawrence D., to Chamberlain Corp. Compressible stopper. 2,905,355, 9-22-59, Cl. 220-24.5.
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- Orshansky, Elias, Jr., to Chicago Railway Equipment Co. Vibration damping apparatus. 2,886,142, 5-12-59, Cl. 188-96.
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- Orsini, Camillo D., to Nixon Nitration Works. Apparatus for extruding sheets with striped pattern. 2,897,541, 8-4-59, Cl. 18-12.
- Orsino, Joseph A., to National Lead Co. Method for manufacture of dry-charged battery plates. 2,900,431, 8-18-59, Cl. 138-27.
- Orsten, Leo A., and G. G. Simor. Universal aspirating syringe for long and short cartridges. 2,869,542, 1-20-59, Cl. 128-218.
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- Ortega, Charlotte C. Educational device having transparent erasable surface and movable illustration strip positioned beneath said writing surface. 2,918,732, 12-29-59, Cl. 35-62.
- Ortega, Isidoro. Resilient non-pneumatic safety wheels. 2,911,026, 11-3-59, Cl. 152-153.
- Ortega, Mario De J., deceased (P. A. Ortega, administratrix), and P. A. Ortega. Pneumatic cleaning device. 2,889,006, 6-2-59, Cl. 183-37.
- Ortega, Pauline A.: See—  
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- Ortengren, Victor H., to United States of America, Agriculture. Vial holder. 2,873,850, 2-17-59, Cl. 206-1.
- Ortel, Gerhard, to H. Kuper. Veneer joining machine. 2,896,680, 7-28-59, Cl. 144-279.
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- Ortles, Raymond C., to American Air Filter Co., Inc. Cupola gas receiving and cooling systems. 2,900,180, 8-18-59, Cl. 266-32.
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- Ortho-Sonic Instruments, Inc.: See—  
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- Orthuber, Richard K., to International Telephone and Telegraph Corp. Phosphor screen device. 2,877,378, 3-10-59, Cl. 315-12.

- Orthuber, Richard K., to International Telephone and Telegraph Corp. Detecting apparatus. 2,892,078, 6-23-59, Cl. 246-249.
- Orthuber, Richard K., to International Telephone and Telegraph Corp. Checking systems. 2,899,132, 8-11-59, Cl. 235-61.6.
- Orthuber, Richard K., and L. R. Ullery, to International Telephone and Telegraph Corp. Radiation amplifier construction. 2,875,350, 2-24-59, Cl. 250-213.
- Orthuber, Richard K., C. C. Larson, and G. W. Bain, to International Telephone and Telegraph Corp. Information display device. 2,877,371, 3-10-59, Cl. 313-108.
- Orthuber, Richard K., and C. C. Larson, to International Telephone and Telegraph Corp. Image device. 2,892,095, 6-23-59, Cl. 250-213.
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- Orthuber, Richard K., C. V. Stanley, and S. G. Fong, to International Telephone and Telegraph Corp. Apparatus for detecting hot journal boxes. 2,906,885, 9-29-59, Cl. 250-222.
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- Orloff, John E., to Jersey Production Research Co. Blow-out closure device pressure head. 2,897,895, 8-4-59, Cl. 166-95.
- Orloff, John E., to Jersey Production Research Co. Reservoir coring. 2,915,254, 12-1-59, Cl. 255-1.4.
- Orloff, John E., and F. H. Dilly, to Jersey Production Research Co. Retrivable reverse circulation pellet impact drill. 2,885,184, 5-5-59, Cl. 255-61.
- Ortman, Alva H. Cylinder cushioning structure. 2,897,785, 8-4-59, Cl. 121-38.
- Ortman, Curtis D., to General Motors Corp. Kiln refractory. 2,895,840, 7-21-59, Cl. 106-68.
- Ortman, Earl R. Air unloader for submersible pumps. 2,917,113, 12-15-59, Cl. 166-67.
- Ortmann, Walter: See—  
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- Ortner, Samuel. Pocket safety knife. 2,870,537, 1-27-59, Cl. 30-162.
- Orton, Charles L. Multiple fluid coupling for relatively movable vehicle parts. 2,873,810, 2-17-59, Cl. 180-66.
- Ortusi, Antoine J., and A. Robert, to Compagnie Generale de Telegraphie Sans Fil. Radio direction finding system. 2,913,721, 11-17-59, Cl. 343-121.
- Ortusi, Jean, and A. Robert, to Compagnie Generale de Telegraphie Sans Fil. Radar systems. 2,914,761, 11-24-59, Cl. 343-5.
- Ortwig, Thomas R., to James R. Kearney Corp. By-pass switch. 2,879,348, 3-24-59, Cl. 200-50.
- Orvis, Elmer P., to The Leece-Neville Co. Generator control system. 2,874,346, 2-17-59, Cl. 321-16.
- Orvis, Elmer P., to The Leece-Neville Co. Alternator-rectifier generating system. 2,907,943, 10-6-59, Cl. 321-16.
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- Osbon, William O.: See—  
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- Osberg, Hans, to National Distillers and Chemical Corp. Production of hydrazine. 2,917,369, 12-15-59, Cl. 23-190.
- Osborn, Alden E. Pipe joint. 2,914,345, 11-24-59, Cl. 285-110.
- Osborn, Arthur S.: See—  
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- Osborn, George E., and H. C. Matthews. Sitz bath for toilet seat. 2,872,686, 2-10-59, Cl. 4-6.
- Osborn, Harry B., Jr., and W. E. Benninghoff, to The Ohio Crankshaft Co. Billet handling device. 2,910,565, 10-27-59, Cl. 219-10.41.
- Osborn, John E. Pipe tongs. 2,911,251, 11-3-59, Cl. 294-110.
- Osborn, Mabel G. Bed protector. 2,914,069, 11-24-59, Cl. 128-287.
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- Osborn, Spencer H. Hand truck. 2,916,170, 12-8-59, Cl. 214-375.
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- Osborne, Alan P.: See—  
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- Osborne, Alec V., to Pfaunder Permutit Inc. Fractionating column. 2,896,928, 7-28-59, Cl. 261-113.
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- Osborne, Clyde E.: See—  
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- Osborne, Fay H., and M. F. Kilty, Jr., to C. H. Dexter & Sons, Inc. Fibrous webs and method and apparatus for making same. 2,913,365, 11-17-59, Cl. 162-501.
- Osborne, Fred H., to The Rudolph Wurlitzer Co. Organ pedal structure. 2,911,873, 11-10-59, Cl. 84-225.
- Osborne, John B.: See—  
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- Osborne, John B., to The M. W. Kellogg Co. Process for emergency steam production. 2,919,244, 12-29-59, Cl. 208-164.
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- Osborne, Marvin J. Turnbuckle. 2,872,224, 2-3-59, Cl. 287-60.
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- Osborne, Wesley M., D. Edge, Jr., and A. D. Johnston, to Hooker Chemical Corp. Process for production of calcium hypochlorite bleach liquor. 2,889,199, 6-2-59, Cl. 23-86.
- Osborne, William E.: See—  
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- Oscar, Martin L. Collar stiffener. 2,899,681, 8-18-59, Cl. 2-132.
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- O'Shel, William E. Rear viewing mirrors. 2,914,988, 12-1-59, Cl. 88-98.
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- Oshry, Howard I., to Erie Resistor Corp. Method of making titanium dioxide capacitors. 2,899,345, 8-11-59, Cl. 148-63.
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- Ospelt, Gustav, and Skatsche. 2,873,734.
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- Oster, Stanley M.: See—  
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- Overbaugh, Sidney C., to E. I. du Pont de Nemours and Co. Polymerization of ethylene with an initiator containing tertiary alkyl perester and tertiary alkyl hydroperoxide. 2,909,513, 10-20-59, Cl. 260-94.9.
- Overdick, Fritz: See—  
Bencker, Franz, Overdick, and Schlee. 2,910,140.
- Overeem, Hendrik: See—  
Hunting, Bernardus J., Rinzema, and Overeem. 2,890,160.
- Overhead Door Corp.: See—  
Moler, Charles C. 2,887,865.
- Schacht, Clifford A., Jr. 2,869,637.
- Stroup, Earl L. 2,867,466.
- Stroup, Earl L. 2,867,697.
- Stroup, Earl L. 2,871,932.
- Stroup, Earl L. 2,877,843.
- Stroup, Earl L. 2,880,796.
- Stroup, Earl L. 2,883,697.
- Stroup, Earl L. 2,892,494.
- Stroup, Earl L. 2,892,496.
- Stroup, Earl L. 2,902,087.
- Overhead Loader Corp.: See—  
Andersen, Tengell. 2,879,908.
- Overholt, Donald C., and M. D. Peterson, to United States of America, Atomic Energy Commission. Method and coating composition for protecting and decontaminating surfaces. 2,877,131, 3-10-59, Cl. 117-6.
- Overland, John S., J. T. Hill, and V. H. Seger, to F. H. Hill Co., Inc. Casket sealing construction. 2,869,216, 1-20-59, Cl. 27-17.
- Overly, Elmer G. Envelopes. 2,913,163, 11-17-59, Cl. 229-72.
- Overly Mfg. Co.: See—  
Goodwin, John H. 2,885,974.
- Overman, Earl R., deceased, by M. B. Overman, executrix. Two-stage bagging machine. 2,869,296, 1-20-59, Cl. 53-24.



Overman, Guy R., to General Motors Corp. Steering wheel. 2,892,359, 6-30-59, Cl. 74-484.

Overman, James H.: See—  
Flinchout, Lyman J., Ebershoff, and Overman. 2,868,026.

Overman, Mary B.: See—  
Overman, Earl R. 2,869,296.

Overmire, Milton O., and G. P. Del Faro, to H. and B. Teitelbaum. Reel for receiving a spool of film. 2,881,985, 4-14-59, Cl. 242-71.8.

Overstreet, Henry H.: See—  
Phillips, Wallace G., Hall, and Overstreet. 2,911,927.

Overton, Albert E., deceased; C. W. Payne, and D. M. Williams, executors. Bolt head having undercut portion to receive flowable lead washer. 2,884,038, 4-28-59, Cl. 151-44.

Overton, Edgar R. Playground device resembling a turtle. 2,886,317, 5-12-59, Cl. 272-60.

Overton, Glen. Atmospheric and vacuum drum dryer. 2,880,523, 4-7-59, Cl. 34-92.

Overton, Glen. Apron for drum driers. 2,886,101, 5-12-59, Cl. 159-11.

Overton, Harold C., to Allis-Chalmers Mfg. Co. Dusting mechanism. 2,919,157, 12-29-59, Cl. 302-51.

Overton, William C., Jr., to Socony Mobil Oil Co., Inc. Acoustic well logging with end shielding. 2,878,886, 3-24-59, Cl. 181-5.

Ovst, Elwin B.: See—  
Kundiger, Donald G., and Ovst. 2,873,293.

Ovst, Elwin B. W.: See—  
Kundiger, Donald G., and Ovst. 2,881,218.

Ovst, Elwin B. W.: See—  
Kundiger, Donald G., and Ovst. 2,882,318.

Ovrevik, Glenn S. Means for detecting the defective element in a series connection. 2,870,377, 1-20-59, Cl. 315-92.

Ovshinsky, Stanford R., to Tann Corp. Magnetic rectifier. 2,904,741, 9-15-59, Cl. 321-48.

Ovshinsky, Stanford R., to Tann Corp. Signal responsive device. 2,917,599, 12-15-59, Cl. 200-87.

Owada, Eddie T.: See—  
Woodward, Roy E., and Owada. 2,911,969.

Owades, Joseph L.: See—  
Brenner, Mortimer W., and Owades. 2,884,352.

Owatonna Mfg. Co., Inc.: See—  
Dyrdahl, Gordon H. 2,908,126.

Owczarek, Jerzy A. Glove. 2,883,668, 4-28-59, Cl. 2-159.

Owen, Alan E., to North American Philips Co., Inc. Photoconductive cell. 2,898,240, 8-4-59, Cl. 117-211.

Owen, Alexander B., to Texas Instruments Inc. Seismic mud pump. 2,887,955, 5-26-59, Cl. 103-48.

Owen Bucket Co., The: See—  
Takacs, Robert J. 2,894,781.

Owen, Charles E.: See—  
Millership, Ronald, and Owen. 2,914,757.

Owen, Charles J.: See—  
Higgs, Richard F., and Owen. 2,870,070.

Owen, Claude M., to Chase Equipment Corp. Non-jamming vibratory hopper. 2,872,019, 2-3-59, Cl. 198-33.

Owen, Cydwell A.: See—  
Troeger, Henry, and Owen. 2,883,839.

Owen, Edwin E., to Raven Industries, Inc. Liquid containing structure using plastic film. 2,907,362, 10-6-59, Cl. 150-5.

Owen, Edwin H. Cooling means for television receivers. 2,897,437, 7-28-59, Cl. 340-367.

Owen, Frank M., and C. W. Pewthers, to Owen-Pewthers Mfg. Co., Inc. Bucket line. 2,915,838, 12-8-59, Cl. 37-90.

Owen, Frederick E. Fluid valving spark plug. 2,892,112, 6-23-59, Cl. 313-11.3.

Owen, George E., to Nuclear Corp. of America, Inc. Hydrogen content analysis. 2,872,583, 2-3-59, Cl. 250-43.5.

Owen, Harold D., to Welx, Inc. Open hole perforator firing means. 2,889,775, 6-9-59, Cl. 102-20.

Owen, Harry L. Store front structure. 2,917,793, 12-22-59, Cl. 20-56.3.

Owen, James R., to Phillips Petroleum Co. Dehydrogenation process and catalyst. 2,902,522, 9-1-59, Cl. 260-680.

Owen, Joe D., to Phillips Petroleum Co. Core logging device. 2,875,401, 2-24-59, Cl. 324-13.

Owen, Joe D., to Phillips Petroleum Co. Electrical well logging. 2,916,691, 12-8-59, Cl. 324-1.

Owen, John C.: See—  
Noxon, Paul A., Owen, and Bennett. 2,886,760.

Owen, John C., to Bendix Aviation Corp. Servosystem pitch control for aircraft. 2,873,418, 2-10-59, Cl. 318-489.

Owen, John J., and J. Fedirko, to Esso Research and Engineering Co. Desulfurization of high sulfur fluid coke particles. 2,872,383, 2-3-59, Cl. 202-31.

Owen, Lambert: See—  
Gelbach, Herman R., and Owen. 2,909,061.

Owen, Manly M. Earth working implement. 2,887,168, 5-19-59, Cl. 172-67.

Owen, Paul M.: See—  
Clark, Herbert, Owen, and Starr. 2,899,866.

Owen-Pewthers Mfg. Co., Inc.: See—  
Owen, Frank M., and Pewthers. 2,915,838.

Owen, Richard: See—  
Kuhmeyer, Carl A., Owen, and Favorite. 2,891,165.

Owen, Richard, to Minnesota Mining & Mfg. Co. Heat-sensitive copying paper. 2,910,377, 10-27-59, Cl. 117-36.

Owen, Richard, to Minnesota Mining & Mfg. Co. Heat-sensitive copy paper. 2,916,395, 12-8-59, Cl. 117-36.

Owen, Robert E., to General Motors Corp. Resilient bushing. 2,868,571, 1-13-59, Cl. 287-85.

Owen, Robert R., J. F. Cykler, and R. T. Tribble, to Pineapple Research Institute of Hawaii. Moldboard plow with plastic resin covering. 2,913,060, 11-17-59, Cl. 172-747.

Owen, Ronald V., and N. A. Hurt, to Lever Brothers Co. Method of caustic recovery in soap manufacture. 2,899,450, 8-11-59, Cl. 260-418.

Owen, Theodore J. Scaffold support and its use. 2,876,046, 3-3-59, Cl. 304-5.

Owen, Thomas W.: See—  
Dakin, Geoffrey, and Owen. 2,902,723.

Owen, Trevor: See—  
Neville, Sidney, and Owen. 2,899,855.

Owen, William, to Pittsburgh Plate Glass Co. Glass grinding and polishing apparatus. 2,882,652, 4-21-59, Cl. 51-168.

Owen, William L., to J. U. Barr. Production of mud-laden drilling fluids. 2,868,725, 1-13-59, Cl. 252-8.5.

Owen, William L. Treatment of starches and gums, and compositions thereof. 2,908,597, 10-13-59, Cl. 127-71.

Owens, Austin P., to General Electric Co. Universal welding head. 2,883,515, 4-21-59, Cl. 219-86.

Owens-Corning Fiberglass Corp.: See—  
Allen, Frank E. 2,877,670.

Baers, Barton M., Sr. 2,887,722.

Bay, Ernest, and Kelley. 2,904,976.

Brautigam, Richard H. 2,873,718.

Caroselli, Remus F., and Gagnon. 2,868,668.

Drennan, James G. 2,899,907.

Fletcher, Ed. 2,906,470.

Frickert, Philip J. 2,900,700.

Frickert, Philip J., and Russell. 2,886,877.

Frickert, Philip J., and Smock. 2,875,503.

Grant, John A. 2,915,806.

Horton, Richard C., Miller, and Lydic. 2,867,891.

Kalousek, George L. 2,875,075.

Kendall, Roy C. 2,915,795.

Kingsbury, Ralph N., and Caroselli. 2,900,275.

Long, Luther L., and Trout. 2,914,806.

Machlan, George R. 2,876,120.

Marzocchi, Alfred, Caroselli, and Rammel. 2,868,669.

McCormick, John M. 2,890,347.

Miller, William H., and Alexander. 2,910,353.

Park, John K., and Marzocchi. 2,886,470.

Pearson, Arthur J., and Tomlinson. 2,890,147.

Roberson, Cletis L., and Tiede. 2,891,686.

Russell, Robert G. 2,868,358.

Russell, Robert G. 2,883,798.

Russell, Robert G. 2,895,789.

Russell, Robert G. 2,908,036.

Russell, Robert G. 2,916,347.

Russell, Robert G., and Denelsbeck. 2,910,806.

Russell, Robert G., Smart, and Riley. 2,875,893.

Shannon, Richard F., and Mitchell. 2,901,379.

Simpson, Frank R. 2,884,159.

Slayter, Games, and Drummond. 2,914,835.

Slayter, Games, and Steltz. 2,915,170.

Smith, Roy E. 2,891,798.

Snow, Henry J., and York. 2,881,471.

Stalego, Charles J., and Snow. 2,897,874.

Taylor, William C. 2,915,409.

Vonnegut, Bernard. 2,916,773.

Walker, Frederick W., Cady, and Johnston. 2,881,110.

Waugh, John A. 2,909,827.

Welsch, William W. 2,877,124.

Welsch, William W. 2,882,173.

Whitehurst, Harry B. 2,880,552.

Whitehurst, Harry B. 2,900,274.

Woodward, Robert M. 2,900,252.

Owens, Delmar D. Furniture for a physically handicapped person. 2,894,267, 7-14-59, Cl. 5-68.

Owens, Donald L. Machine for setting up collapsed paper-board boxes. 2,907,252, 10-6-59, Cl. 93-49.

Owens, Freeman H. Roll film camera. 2,890,635, 6-16-59, Cl. 95-31.

Owens-Illinois Glass Co.: See—  
Allen, Russell G. 2,888,131.

Allison, Blaine M., and Schmid. 2,894,284.

Anderson, Norman G. 2,878,994.

Augsburger, Herbert M. 2,919,297.

Badger, Alfred E. 2,881,566.

Barnby, Herbert A. 2,899,051.

Bjering, Olav. 2,876,606.

Bjering, Olav. 2,884,751.

Beck, Basil D., Sr., and Swain. 2,909,005.

Bode, Wolfe. 2,888,780.

Bowe, George R., Schutz, and Suchocki. 2,908,598.

Burch, Oscar G. 2,898,633.

Celley, Albert F. 2,898,798.

Chapman, George C., Pfander, and Holscher. 2,905,846.

Conrad, Keith. 2,873,555.

Dapp, Robert J., and Cozine. 2,873,854.

Dence, Richard B., and Schalch. 2,904,810.

Denman, Robert R., and Trudeau. 2,903,824.

Fedorchak, William J., Early, and Johnesee. 2,868,061.

Ferguson, Oscar, Jr. 2,909,267.

Fillmore, William E. 2,903,159.

Franci, Josef, and Logudice. 2,918,757.

Fraser, George L. 2,888,781.

Greenmyer, William H. 2,896,784.

Hackett, James W. 2,908,034.

Hall, Lynn O., Jr. 2,867,544.

Owens-Illinois Glass Co.: See—Continued

Hansen, Melvin O. 2,885,957.

Henry, Kenneth M., and Vincent. 2,874,017.

Hohl, John. 2,890,814.

Hohl, John. 2,917,880.

Hohl, John, and Bjering. 2,915,029.

Hohl, John, and Wheaton. 2,909,879.

Holler, Edward J., Jr. 2,883,690.

Husum, Charles W., and Flaskamp. 2,910,397.

Jenkins, Albert S. 2,899,349.

Jenkins, Albert S. 2,912,042.

Johnson, John R. 2,882,061.

Keefe, George E. 2,910,194.

Keefe, George E. 2,910,196.

Keefe, George E. 2,910,199.

Keefe, George E. 2,915,342.

Kozak, John. 2,867,551.

Lauck, Albert G. 2,912,093.

McCormick, John H. 2,873,855.

McCormick, John M. 2,901,865.

McLaughlin, John E., and Allgever. 2,913,852.

Miller, John D. 2,908,436.

Miller, John G. 2,894,285.

Monks, Joseph R., Jr., and Swain. 2,884,744.

Mumford, Eustace H. 2,867,335.

Mumford, Eustace H. 2,918,758.

Mumford, George V., and Soubler. 2,878,520.

Olson, Ralph H. 2,881,564.

Olson, Ralph H. 2,910,195.

Olson, Ralph H. 2,910,200.

Pawlicki, Clarence D. 2,894,359.

Pinotti, Alfred D. 2,913,509.

Randlett, Edward A. 2,913,134.

Richie, Carlton A. 2,867,589.

Rough, Robert R. 2,908,738.

Schaefer, Earl F. 2,895,846.

Schalt, Wilbur A. 2,912,708.

Schalt, Wilbur A. 2,913,746.

Schalt, Wilbur A., and Gasmire. 2,910,712.

Schmel, Irving. 2,917,219.

Schreiber, Carl W. 2,904,161.

Sherman, Orville B. 2,896,251.

Sherman, Orville B., and Mumford. 2,871,516.

Sherman, Orville B., and Soubler. 2,901,769.

Soubler, Leonard D. 2,890,483.

Soubler, Leonard D. 2,911,673.

Smith, Ralph H. 2,895,739.

Stelerman, Bernard L. 2,919,210.

Tallent, Benjamin F. 2,882,647.

Thomson, John W., Jr. 2,896,647.

Toepfer, Walter J., and Prendergast. 2,909,004.

Trudeau, Urban P. 2,870,654.

Uhlir, Albert F. 2,888,127.

Van Steyn, Gerard K. 2,878,619.

Vincent, Harvard B. 2,878,623.

Vincent, Harvard B. 2,899,875.

Vincent, Harvard B. 2,905,845.

Wallace, Robert T. 2,893,456.

Wilson, James C. 2,875,942.

Wolford, Wallace W. 2,879,883.

Wolford, Wallace W. 2,890,786.

Wright, Joseph W. 2,890,545.

Zimmerman, George. 2,867,948.

Owens, James B., to Westinghouse Electric Corp. Circuit interrupting device. 2,911,506, 11-3-59, Cl. 200-146.

Owens, Lloyd, to Horizons Inc. Protected photoconductive element and method of making same. 2,886,434, 5-12-59, Cl. 96-1.

Owens, Robert G., and E. Kroll, to International Latex Corp. Flexible container. 2,896,237, 7-28-59, Cl. 15-136.

Owens, Robert M., to The M. W. Kellogg Co. Apparatus for catalytic conversion of hydrocarbon fluids. 2,873,175, 2-10-59, Cl. 23-288.

Owens, Robert S. Knottable glass fiber strand. 2,903,779, 9-15-59, Cl. 28-80.

Owens, Sylvester. Clasp. 2,902,738, 9-8-59, Cl. 24-217.

Owings, Thomas. Hypodermic needles. 2,904,045, 9-15-59, Cl. 128-221.

Owney, Hector L. Well screen and drive shoe assembly. 2,905,249, 9-22-59, Cl. 166-157.

Owsen, Peter. Collapsible article. 2,880,902, 4-7-59, Cl. 220-8.

Owsley, William D., to Halliburton Oil Well Cementing Co. High pressure plug valve. 2,911,187, 11-3-59, Cl. 251-316.

Oxal, Arne, to North Electric Co. Automatic telephone system. 2,872,519, 2-3-59, Cl. 179-8.5.

Oxberry, John W., to A. K. Livingston and 1/4 to Longines-Wittnauer Watch Co., Inc. Film gate for combined camera and projector. 2,912,898, 11-17-59, Cl. 88-17.

Oxenfort, Berthold, and U. Aldinger, to Robert Bosch G. m. b. H. Injection pump assembly. 2,869,529, 1-20-59, Cl. 123-140.

Oxford, William F., Jr., to Sun Oil Co. Protecting ferrous metals from corrosion. 2,914,475, 11-24-59, Cl. 252-8.55.

Oxford, William F., Jr., to Sun Oil Co. Polyamine naphthenates. 2,914,557, 11-24-59, Cl. 260-501.

Oxley, LeRoy V., and C. M. Blythe, to Robotyper Corp. Method and means of simultaneously addressing letterheads and envelopes. 2,916,128, 12-8-59, Cl. 197-5.

Oxley, Peter, N. W. Bristow, G. A. H. Williams, G. Woolfe, and E. C. Wilmshurst, to Boots Pure Drug Co. Ltd. Acetanilide derivatives and the manufacture thereof. 2,904,590, 9-15-59, Cl. 260-562.

Oxley, Peter, N. W. Bristow, G. Woolfe, and G. A. H. Williams, to Boots Pure Drug Co. Ltd. New acetanilides derivatives and the manufacture thereof. 2,912,438, 11-10-59, Cl. 260-340.5.

Oxley, Robert F. Fittings for attachment to perforated members. 2,911,460, 11-3-59, Cl. 174-153.

Oxley, Thomas A., to Scottish Mechanical Light Industries Ltd. Measurement of moisture content. 2,870,404, 1-20-59, Cl. 324-65.

Oxy-Catalyst, Inc.: See—  
Bratton, Alfred I. 2,873,071.

Hayes, Cletus T. 2,898,201.

Houdry, Eugene J. 2,872,906.

Houdry, Eugene J. 2,909,415.

Houdry, Eugene J., and Calvert. 2,867,497.

Houdry, Eugene J., Eriksson, and Coudray. 2,898,202.

Houdry, Eugene J., and Harriam. 2,886,288.

Houdry, Eugene J., and Hayes. 2,905,523.

Oyler, Glenn W.: See—  
Lobosco, Roscoe R., Messina, and Oyler. 2,871,336.

Reed, Thomas B., Maier, and Oyler. 2,874,265.

Oyler, Glenn W., J. Maier, III, and T. B. Reed, to Union Carbide Corp. Constricted arc apparatus and process. 2,884,510, 4-28-59, Cl. 219-69.

Oyler, Glenn W., and J. Maier, III, to Union Carbide Corp. Constricted arc metal removal. 2,886,692, 5-12-59, Cl. 219-69.

Oyler, Glenn W., and J. Maier, III, to Union Carbide Corp. Arc torch and process. 2,890,322, 6-9-59, Cl. 219-69.

Oyster, Duane E., to American Brake Shoe Co. Hydraulic shock damping apparatus. 2,905,190, 9-22-59, Cl. 127-108.

Ozanich, Anthony R. Tall gate latch control assembly for tilting dump trucks. 2,876,038, 3-3-59, Cl. 298-23.

Ozinga, Peter K. Perforation clean out tool. 2,918,973, 12-29-59, Cl. 166-171.

Ozonair Engineering Co., Ltd.: See—  
Field, Sydney J. 2,878,892.

Ozor, Louis. Bag intucking device. 2,911,778, 11-10-59, Cl. 53-371.

PGAC Development Co.: See—  
Castel, Jacques H. 2,917,280.

Scherbatsky, Serge A. 2,911,536.

Vestermark, Lyle A. 2,905,247.

PLM Products, Inc.: See—  
Horrocks, Raymond G., Miller, and Brenner. 2,912,482.

P. O. Stokkebyes Kvarnaktiebolag: See—  
Blomqvist, Georg H., and Malm. 2,868,648.

PSC Applied Research Ltd.: See—  
Bridgman, Joseph M., and Schmidt. 2,913,975.

Paabo, Max. Device for effecting equal tensile stresses in two threads. 2,918,092, 12-22-59, Cl. 139-54.

Paananen, Roy A.: See—  
Osepchuk, John M., and Paananen. 2,905,859.

Paananen, Roy A., to Raytheon Co. Traveling wave tubes. 2,914,700, 11-24-59, Cl. 315-39.3.

Pabst Brewing Co.: See—  
Deren, Pincus. 2,906,624.

Shakman, James G. 2,894,844.

Weiner, Lewis P. 2,883,046.

Pabst, Carl F., and A. C. Nolte, to The Lodge & Shipley Co. Control mechanism. 2,916,018, 12-8-59, Cl. 121-46.5.

Pabst, Otto E.: See—  
Bottl, Argentino B., and Pabst. 2,909,822.

Pabst, Rudolf, and W. E. Thomas, to Prism Signs Inc. Sign. 2,915,843, 12-8-59, Cl. 40-130.

Pabst, Rudolf, and W. E. Thomas, to Prism Signs Inc. Plural lens optical screen. 2,915,935, 12-8-59, Cl. 88-1.

Pacault, Pierre, to The Babcock & Wilcox Co. Reheater steam generating unit with gas recirculation for reheat control. 2,905,156, 9-22-59, Cl. 122-478.

Paccliarini, Antonio, and U. Nuara, to Pirelli S.p.A. Auxiliary apparatus for use in the manufacture of tires. 2,878,856, 3-24-59, Cl. 154-9.

Pace, Carlo. Motor winding. 2,894,158, 7-7-59, Cl. 310-180.

Pace, Ernest L.: See—  
Umphred, Edwin F., Jr., and Pace. 2,905,232.

Pace, Henry A., to The Goodyear Tire & Rubber Co. Process for the preparation of foamed polyurethanes. 2,879,233, 3-24-59, Cl. 260-2.5.

Pace, Henry A., to The Goodyear Tire & Rubber Co. Preparation of flexible elastomeric polyurethane cellular materials. 2,888,411, 5-26-59, Cl. 260-2.5.

Pace, Henry A., to The Goodyear Tire & Rubber Co. Preparation of flexible elastomeric cellular polyurethane materials. 2,888,413, 5-26-59, Cl. 260-2.5.

Pace, Inc.: See—  
Cassidy, Robert J. 2,904,037.

Pace, Robert M. Submersible pump filter-skimmer for swimming pools. 2,900,079, 8-18-59, Cl. 210-169.

Pacetti, Veto. Cradle car. 2,875,706, 3-3-59, Cl. 105-374.

Pachmayr, Frank A., to M. Hattan. Lock nut utilizing a coiled spring. 2,888,853, 6-2-59, Cl. 85-32.

Pachter, John J., to Acme Steel Co. Strap sealing tool. 2,868,048, 1-13-59, Cl. 81-9.1.



- Pacific Car and Foundry Co.: See—  
Hendrickson, Ellis C., and Kirschner. 2,916,093.  
Henrikson, Thor O. 2,909,292.  
Norrie, Robert C. 2,896,469.  
Norrie, Robert C. 2,913,252.  
Pacific Clay Products: See—  
Bennett, Albert L. 2,912,741.  
Pacific Foundry Co., Ltd.: See—  
Hartley, Henry J., and Rankin. 2,877,100.  
Pacific Industrial Mfg. Co.: See—  
Richardson, Rolland A. 2,906,096.  
Pacific Mercury Television Mfg. Corp.: See—  
Bonham, Don L. 2,913,948.  
Pacific Mills: See—  
Joy, Raymond D. 2,900,468.  
Wheeler, Silas M. 2,897,005.  
Wiskie, Robert C. 2,897,077.  
Pacific Pulp Molding Co.: See—  
Pick, Charles O. 2,891,687.  
Pacific Scientific Aeroproducts: See—  
Cushman, Clifford E. 2,899,732.  
Cushman, Clifford E., and Wrighton. 2,899,836.  
Pacific Semiconductors, Inc.: See—  
Carman, Justice N., Jr. 2,881,369.  
Harrington, Allan L., and Hall. 2,913,358.  
Millea, Michael F., and Holland. 2,908,851.  
Sahagun, Armen N. 2,908,376.  
Pacific Valves, Inc.: See—  
Norton, Charles G. 2,870,580.  
Pacific Wood Products Co.: See—  
Kneisel, Joseph P. 2,897,040.  
Pacific Coast Engineering Co.: See—  
Ramaden, Charles D., and Weidenbach. 2,909,899.  
Pacific Coast Foli Co.: See—  
Jorgenson, Ralph J. 2,878,128.  
Pacini, Humbert P., to Allen B. Du Mont Laboratories, Inc. Television synchronizing circuit. 2,887,530, 5-19-59, Cl. 178-7.3.  
Pacione, Albert J. Glass polishing equipment. 2,883,806, 4-28-59, Cl. 51-197.  
Pack Mfg. Co.: See—  
Shelly, Robert S. 2,871,080.  
Shelly, Robert S. 2,872,265.  
Package Enterprises, Inc.: See—  
Toby, Max E. 2,887,837.  
Package Machinery Co.: See—  
Corbett, Harold. 2,887,719.  
Cross, Cedric B. 2,882,665.  
Hoppe, William. 2,878,629.  
Hoppe, William, and Kramer. 2,900,777.  
Newell, Kenneth F. 2,879,063.  
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Van de Blit, Pieter A. 2,893,657.  
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Konopka, Alfred Z., and Lightfoot. 2,914,180.  
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Paden, Dale D. Toggle wrench with slidable adjustment for movable jaw. 2,905,038, 9-22-59, Cl. 81-380.  
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Page, Franklin, Jr., to United States of America, Navy. Printer bar and magnet structure. 2,906,582, 9-29-59, Cl. 346-74.  
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- Page, Ralph E.: See—  
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Palmer, Leon E., Page, and Hickerson. 2,879,876.  
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Page, Robert M. Radio echo ranging and direction finding system. 2,874,379, 2-17-59, Cl. 343-11.  
Page, Robert M. Pulse delay system. 2,900,505, 8-18-59, Cl. 250-27.  
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Paget, George H. A. Shifting post loose leaf binder. 2,871,860, 2-3-59, Cl. 129-12.  
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Pagli, Louis, to M. Maccaferri. Filtering liner for barrels of extrusion machines. 2,895,167, 7-21-59, Cl. 18-30.  
Pagliacetti, Berardo, and D. V. Curzio. Roll-up blinds. 2,872,977, 10-59, Cl. 160-220.  
Pagliuso, Robert J. Mounting post. 2,895,697, 7-21-59, Cl. 248-187.  
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Pagoda, Walter S. Shoelace tightener. 2,893,090, 7-7-59, Cl. 24-117.  
Pagonis, George A., to Light Metals Research Laboratory, Inc. Combined valve and molten metal sampling device. 2,869,370, 1-20-59, Cl. 73-422.  
Pahud, Jacques P., to Sperry Products, Inc. Supersonic wave transducers. 2,888,581, 5-26-59, Cl. 310-8.7.  
Paige, Richard E. Convertible receptacle for shipping and display. 2,868,365, 1-13-59, Cl. 206-45.  
Paige, Richard E. Gift boxes. 2,895,663, 7-21-59, Cl. 229-35.  
Paige, Walter G., to Sperry Rand Corp. Rotary printing means. 2,869,457, 1-20-59, Cl. 101-96.  
Paillard S.A.: See—  
Ascoli, Enzo. 2,891,650.  
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Gindre, Andre M. 2,890,902.  
Thevenaz, Jean. 2,882,046.  
Palme, Hedley R., to N. V. Appleton Pty. Ltd. Sealing means for adjustable louvers. 2,890,503, 6-16-59, Cl. 20-63.  
Palme, Joseph L., to General Electric Co. Oscillographic recorder. 2,915,359, 12-1-59, Cl. 346-109.  
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Palme, Samuel H., Jr., to United States of America, Atomic Energy Commission. Jacketed uranium slugs and method. 2,894,889, 7-14-59, Cl. 204-193.2.  
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Nock, James L. 2,883,216.  
Painter, Giles W., to Lord Mfg. Co. Spring mounting. 2,906,523, 9-29-59, Cl. 267-1.  
Painter, Jack L., to Crown Zellerbach Corp. Boxes. 2,868,431, 1-13-59, Cl. 229-51.  
Painter, Rex H. G., to General Motors Corp. Windscreen wiper drive mechanism. 2,882,749, 4-21-59, Cl. 74-625.  
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Boham, Galen, and Painter. 2,886,277.  
Boham, Galen, and Painter. 2,904,128.  
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Pearce, Graham. 2,875,309.  
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Uchida, Ryujiro, and Kurihara. 2,871,825.  
Pajvnen, John O., to Burroughs Corp. Delay circuit. 2,892,936, 6-30-59, Cl. 250-27.  
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Pajes, Wolf S. Method and apparatus for impressing subtitles on motion picture film. 2,915,581, 12-1-59, Cl. 178-6.7.  
Pajor, Joseph P., to Union Special Machine Co. Sewing machine adjustable eccentric mechanism. 2,894,471, 7-14-59, Cl. 112-209.  
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Pakosh, Peter, to Northern Royalties and Management Co. Ltd. Steering and transmission unit. 2,882,753, 4-21-59, Cl. 74-722.  
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Joseph, Perry R., Paksver, and Szegho. 2,874,077.  
Paksver, Serge, and C. S. Szegho, to The Rauland Corp. Photosensitive devices. 2,879,182, 3-24-59, Cl. 117-201.  
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Palco Chemical Co.: See—  
Ciaccio, Dominic P. 2,876,130.  
Palen, Peter H. Valves having resilient seals. 2,904,072, 9-15-59, Cl. 137-620.  
Palensky, William A. Toy airplane having retractable landing gear. 2,896,369, 7-28-59, Cl. 46-76.  
Palermo, Anthony Jr., and E. B. Graves, to Picker X-Ray Corp., Waite Mfg. Division, Inc. High tension plug and method of making same. 2,911,683, 11-10-59, Cl. 18-59.  
Palermo, Dominic. Fish lure. 2,891,343, 6-23-59, Cl. 43-26.2.  
Palestri, Richard J.: See—  
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Paleveda, William J., and E. F. Schoenewaldt, to Merck & Co., Inc. Synthesis of imidazoles. 2,905,692, 9-22-59, Cl. 260-300.  
Paley, Albert A. Air conditioning apparatus. 2,899,803, 8-18-59, Cl. 62-291.  
Paley, Lewis A. Apparatus for treating cement slurry. 2,879,982, 3-31-59, Cl. 263-32.  
Palfreman, Herbert, to Imperial Chemical Industries Ltd. Composite antioxidants and process of preparation thereof. 2,899,394, 8-11-59, Cl. 252-404.  
Palico Inc.: See—  
Jockers, Harry W. 2,908,926.  
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Paliz-Holding A.G.: See—  
Luchsinger, Ernst G. L. 2,881,605.  
Palizzio, Inc.: See—  
Dell, Thomas D. 2,881,439.  
Palka, Joseph F. Cable and ratchet wheel lifting jack. 2,884,226, 4-28-59, Cl. 254-146.  
Palka, Joseph F. Lifting jacks and supports therefor. 2,887,289, 5-19-59, Cl. 248-166.  
Palka, Joseph F. Lifting jack supports. 2,887,290, 5-19-59, Cl. 248-169.  
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Palluel, Pierre, to Compagnie Generale de Telegraphie Sans Fil. Delay lines. 2,888,598, 5-26-59, Cl. 315-3.6.  
Palluel, Pierre C.: See—  
Guenard, Pierre R., and Palluel. 2,889,486.  
Palm, Bernhard A., to Dings Magnetic Separator Co. Wet separator. 2,912,107, 11-10-59, Cl. 209-232.  
Palm, George H. Woodworker's hand plane. 2,869,599, 1-20-59, Cl. 145-14.  
Palm, James W., to Borg-Warner Corp. Clutch assembly. 2,870,893, 1-27-59, Cl. 192-113.  
Palmatier, Everett P., to Carrier Corp. Evaporator control for absorption refrigeration systems. 2,894,380, 7-14-59, Cl. 62-476.  
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Palmenberg, Edward C., to Bendix Aviation Corp. Pneumatic turbine drive control system. 2,886,048, 5-12-59, Cl. 137-27.  
Palmer, Albert O., to Machlett Laboratories, Inc. Gas-filled thyatron. 2,877,372, 3-10-59, Cl. 313-242.  
Palmer, Ben. Cleaning tool and parts washer. 2,897,830, 8-4-59, Cl. 134-99.  
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Palmer, Charles E. Combination electric cord plug and fuse. 2,909,630, 10-20-59, Cl. 200-115.5.  
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- Palmer, Elton M., to Gulf Research & Development Co. Apparatus for profile presentation of seismic information. 2,898,574, 8-4-59, Cl. 340-15.
- Palmer, Fred L. and R. L. Traction attachment for wheels. 2,903,087, 9-8-59, Cl. 152-218.
- Palmer, George V., and H. E. Pritchett. Ambulatory type-writer. 2,900,061, 8-18-59, Cl. 197-2.
- Palmer, Harold S. Material handling system. 2,883,076, 4-21-59, Cl. 214-83.32.
- Palmer, Howard R.: See—
- Moles, Oliver W., Gendvil, and Palmer. 2,904,491.
- Palmer, J. Neil, to Arvin Industries, Inc. Non-skid ironing table top and pad assembly. 2,874,471, 2-24-59, Cl. 38-140.
- Palmer, Jack M., to Rohr Aircraft Corp. Cantilever tilting arc support. 2,903,293, 9-8-59, Cl. 294-78.
- Palmer, John, Jr. Closure means. 2,910,312, 10-27-59, Cl. 285-365.
- Palmer, John R. Cheese forming apparatus. 2,907,109, 10-6-59, Cl. 31-14.
- Palmer, John S., and E. M. Gaul, to International Harvester Co. Hydraulic undercarriage for elevators and the like. 2,912,095, 11-10-59, Cl. 198-122.
- Palmer, Leon E., to International Business Machines Corp. Cycling device for power driven typewriters. 2,875,880, 3-3-59, Cl. 197-17.
- Palmer, Leon E., R. E. Page, and J. E. Hickerson, to International Business Machines Corp. Single element printing machine. 2,879,876, 3-31-59, Cl. 197-16.
- Palmer, Leon E., and R. A. Donnan, to International Business Machines Corp. Escapement pawl control. 2,905,303, 9-22-59, Cl. 197-84.
- Palmer, Leon E., to International Business Machines Corp. Typewriter ball structure. 2,905,305, 9-22-59, Cl. 197-138.
- Palmer, Leon E., to International Business Machines Corp. Selection mechanism for a single printing element type-writer. 2,919,002, 12-29-59, Cl. 197-16.
- Palmer, Lubin, Jr.: See—
- Glasby, Jonathan P., Jr., Palmer, and Pendleton. 2,889,846.
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- Palmer, Marianne C. Clothes hanger. 2,895,698, 7-21-59, Cl. 248-205.
- Palmer, Paul M.: See—
- Reaves, George W., Palmer, and Winkle. 2,888,045.
- Palmer, Per A. Air inlet means, especially in ceiling panels or wall panels. 2,898,838, 8-11-59, Cl. 98-40.
- Palmer, Ralph L., to International Business Machines Corp. Read-in circuit. 2,884,189, 4-28-59, Cl. 235-61.6.
- Palmer, Richard C., to Allen B. Du Mont Laboratories, Inc. Position sensing detector. 2,906,916, 9-29-59, Cl. 315-11.
- Palmer, Richard L.: See—
- Palmer, Fred L. and R. L. 2,903,037.
- Palmer, Robert F. Merchandise cabinet. 2,893,804, 7-7-59, Cl. 812-71.
- Palmer, Robert Q. Component for rubble-mound breakwaters. 2,909,037, 10-20-59, Cl. 61-4.
- Palmer, Sydney H.: See—
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- Palmer, William E. Variable transmission. 2,878,688, 3-24-59, Cl. 74-568.
- Palmer, William E., and H. B. Keller, to Swift & Co. Bag closing device. 2,884,749, 5-5-59, Cl. 53-138.
- Palmer, Wilson, and F. P. Hyde, to United Shoe Machinery Corp. Shoes, heels and lift attachments therefor. 2,885,798, 5-12-59, Cl. 36-34.
- Palmer, Winslow, to Sperry Rand Corp. Hyperbolic navigation receiver. 2,873,445, 2-10-59, Cl. 343-103.
- Palmgren, Nils A., to SKF Industries, Inc. Roller cages for roller bearings. 2,876,529, 3-10-59, Cl. 29-148.4.
- Palmiter, Keith, and H. V. Plough, to The Air Preheater Corp. Damper for marine heater. 2,883,160, 4-21-59, Cl. 257-6.
- Palmleaf, Herbert: See—
- Kochler, Albert T., Palmleaf, and Ross. 2,881,915.
- Palmleaf, Herbert, to A. J. Gerrard & Co. Magnetic tension release for strapping tools. 2,881,636, 4-14-59, Cl. 74-524.
- Palmquist, Philip V., to Minnesota Mining & Mfg. Co. Composite resin film sheet assemblies and method of preparing and decorating same. 2,883,315, 4-21-59, Cl. 154-46.
- Palmquist, William W.: See—
- Raub, Henry S., Swidrak, and Palmquist. 2,905,093.
- Palmqvist, Fredrik T. E., to Aktiebolaget Separator. Method for continuous preparation of chemical products. 2,906,760, 9-29-59, Cl. 260-418.
- Palm-Roy, Inc.: See—
- Chamberlin, John M., and McElroy. 2,869,608.
- Palmut Co., The: See—
- Sislik, Ivan. 2,880,641.
- Sislik, Ivan. 2,915,272.
- Palo, Maurice M., to The Astatic Corp. Design of electro-mechanical transducer elements. 2,900,536, 8-18-59, Cl. 310-9.6.
- Palonen, Carl V., and E. W. Kaiser, to Peerless Cement Corp. Inorganic dust treatment process. 2,871,133, 1-27-59, Cl. 106-100.
- Palopoli, Frank P.: See—
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- Wheeler, Keith W., Seyler, Palopoli, and McCarty. 2,898,339.
- Palopoli, Frank P., G. L. Krueger, and C. H. Thiford, to Wm. S. Merrell Co. 3-aryl-3-(4-piperidyl) propanols. 2,886,570, 5-12-59, Cl. 260-294.7.
- Palsgrove, James L.: See—
- Lemmon, Edward M. 2,868,660.
- Paluev, Konstantin K., to General Electric Co. Turbulence promoters for fluid cooled electrical apparatus. 2,912,658, 11-10-59, Cl. 336-58.
- Palumbo, Henry J., and J. W. Axelson, to Johns-Manville Corp. Spirally wound gasket. 2,882,083, 4-14-59, Cl. 288-28.
- Palumbo, Ludovico. Faucet. 2,895,708, 7-21-59, Cl. 251-77.
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- Pan American Modes, Inc.: See—
- Taicher, Leonard L. 2,887,795.
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- Barrett, Jack P., and Jones. 2,889,276.
- Berry, Virgil J., Jr. 2,876,840.
- Cain, Donald G., and Moore. 2,877,257.
- Campion, Frank E., Glass, and Morse. 2,901,043.
- East, Clarence R., and Howard. 2,876,839.
- Eckstrom, Hartley C., Frye, Pickering, and Tollefson. 2,918,355.
- Elaser, Joseph D., and Hadley. 2,907,621.
- Elaser, Joseph D., and Hadley. 2,910,339.
- Elaser, Joseph D., Hadley, and Silverman. 2,877,080.
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- Elliott, Theodore Q. 2,889,207.
- Elkins, Lloyd E., and Gaffen. 2,910,123.
- Fox, James E., Jr. 2,918,331.
- Franev, William R., and Gillis. 2,896,547.
- Goddin, Clifton S., Jr., and Magness. 2,898,362.
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- Howard, George C. 2,896,717.
- Jones, Frank O., Jr. 2,873,251.
- Magness, James F. 2,877,107.
- McSpadden, Thomas W. 2,876,842.
- Morse, Richard A., and Rzaa. 2,881,838.
- Mungen, Richard. 2,896,745.
- Natho, Paul J. 2,885,172.
- Natho, Paul J. 2,910,088.
- Runge, Richard J. 2,872,996.
- Scott, Platho P., Jr. 2,873,250.
- Sharp, Shelby P., and Steltz. 2,885,446.
- Silverman, Daniel, and Fearon. 2,889,000.
- Spurlock, James W. 2,896,716.
- Swearingen, John E. 2,871,253.
- Vincent, Renic P. 2,907,480.
- Vincent, Renic P., and Jennings. 2,884,861.
- Wagner, Harold H. 2,885,968.
- Widess, Moses B. 2,897,476.
- Widess, Moses B., and Dyk. 2,880,816.
- Wynn, John S. 2,897,898.
- Panasewicz, Anton Z., to General Motors Corp. Push plate assembly. 2,868,579, 1-13-59, Cl. 293-60.
- Panavision, Inc.: See—
- Wallin, Walter. 2,890,622.
- Pancari, Sarah P. Garment form. 2,880,917, 4-7-59, Cl. 223-68.
- Pancheri, George J. Fish ladder. 2,910,833, 11-3-59, Cl. 61-21.
- Pande, Henry, to H. V. Hardman Co., Inc. Proportioning apparatus. 2,895,644, 7-21-59, Cl. 222-134.
- Pandia, Inc.: See—
- Agronin, Tany. 2,907,499.
- Surino, Alphonse. 2,882,967.
- Pandjiris Weldment Co., The: See—
- Cooper, Cleveland N., and Frederick. 2,871,334.
- Wuesthoff, Paul P. 2,909,394.
- Panellit, Inc.: See—
- Akerlund, Oscar O. 2,883,651.
- Anderson, Ralph A. 2,883,255.
- Bell, John M. 2,874,354.
- Panfil, Conrad J., to The Heinn Co. Loose-leaf binder. 2,878,816, 3-24-59, Cl. 129-24.
- Pangborn Corp.: See—
- Gossard, Charles M. 2,869,289.
- Moore, Ralph W., and Bradley. 2,881,570.

- Panhard, Paul, to Societe Anonyme des Anciens Etablissements Panhard et Levassor. Brake assembly. 2,868,335, 1-13-59, Cl. 188-72.
- Panhard, Paul, to Societe Anonyme des Anciens Etablissements Panhard et Levassor. Devices responsive to the speed of a rotating shaft and in particular to centrifugal governors. 2,904,326, 9-15-59, Cl. 264-18.
- Panicci, Richard L., to Hampden Specialty Products, Inc. Chair construction. 2,897,880, 8-4-59, Cl. 155-191.
- Panicci, Richard L., to Hampden Specialty Products, Inc. Spring means for chaise lounge. 2,916,085, 12-8-59, Cl. 155-159.
- Panicci, Richard L., to Hampden Specialty Products, Inc. Ratchet mechanism for swingable back-rest. 2,916,086, 12-8-59, Cl. 155-159.
- Panich, Michael, to Bailey Meter Co. Pen lifting and chart support for recording meters. 2,873,163, 2-10-59, Cl. 346-68.
- Panico, Michel A. Burglary proof lock for auto steering wheels. 2,904,987, 9-22-59, Cl. 70-185.
- Panissidi, Hugo A., to International Business Machines Corp. Hydraulic control mechanisms. 2,878,015, 3-17-59, Cl. 271-24.
- Panissidi, Hugo A., to International Business Machines Corp. Fluid motor control. 2,880,838, 4-7-59, Cl. 197-133.
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- Pankonin, Earl T., to Onsrud Machine Works, Inc. Selsyn drive assembly. 2,876,652, 3-10-59, Cl. 74-395.
- Pankove, Jacques I., to Radio Corp. of America. Semiconductor photo-electric devices. 2,879,405, 3-24-59, Cl. 250-211.
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- Hill, Frank A., and Pankratz. 2,914,706.
- Pankuch, William J.: See—
- Hollenbacher, Earle P., and Pankuch. 2,905,009.
- Pankuch, William J., to Thompson Ramo Wooldridge Inc. Shaft keying means. 2,893,763, 7-7-59, Cl. 287-52.05.
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- Pannier, Louis H., and J. M. Ey. Automatic safety brake system. 2,871,066, 1-27-59, Cl. 303-63.
- Panning, Martin H., and B. R. Curry, to Blower Application Co. Shredder. 2,894,697, 7-14-59, Cl. 241-154.
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- Pannizzo, Frank: See—
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- Panoramic Radio Products, Inc.: See—
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- Wu, William I. L. 2,892,944.
- Pansch, Karl A. Verb conjugating educational device. 2,883,766, 4-28-59, Cl. 35-35.
- Pansing, Nelson J.: See—
- Whyte, Ronald H., and Pansing. 2,886,901.
- Pantano, Frank. Fuel vaporization unit. 2,882,882, 4-21-59, Cl. 123-122.
- Pantaxia, Emmanuel N.: See—
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- Ritter, Jay S., Feler, and Pantzer. 2,898,913.
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- Panuline, George: See—
- Bell, Leo R., and Panuline. 2,918,772.
- Panza, Joseph E., to The Powers Regulator Co. Relay for automatic control device. 2,886,006, 5-12-59, Cl. 121-38.
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- Panzer, Jerome, and A. T. Blomquist, to Esso Research and Engineering Co. Synthesis of dibasic compounds from an olefin and acrylic compound or the like. 2,918,493, 12-22-59, Cl. 260-485.
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- Paolino, Charles, Jr., to Westinghouse Air Brake Co. Interlock device. 2,884,294, 4-28-59, Cl. 312-222.
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- Sherlock, Margaret, Sperber, and Papa. 2,889,328.
- Papageorges, Demetre. Speed varying device. 2,891,410, 6-23-59, Cl. 74-230.17.
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- Pape, Harry E., and A. Fotland, to American Viscose Corp. Drum mounting. 2,881,907, 4-14-59, Cl. 203-398.
- Pape, Hilmer F.: See—
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- Hanners, John V. 2,902,200.
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- Pappas, George F., to Esso Research and Engineering Co. Improved quench oil for high temperature coking of residua. 2,901,418, 8-25-59, Cl. 208-102.
- Pappas, Philip M. Frying apparatus. 2,902,582, 9-1-59, Cl. 219-44.
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- Pappo, Raphael: See—
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- Paprocki, Edward J. Coaster and holder for beverage can. 2,896,812, 7-28-59, Cl. 220-85.
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- Papst, Hermann. Motor-generator-starter drive unit. 2,886,987, 5-19-59, Cl. 74-810.
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- Papworth, Walter A. Portable power driven reciprocable cutting tool. 2,879,815, 3-31-59, Cl. 143-68.
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- Paquin, Leon J., to The National Cash Register Co. Filled paper. 2,902,399, 9-1-59, Cl. 162-181.
- Paquin, Leopold. Scribing guide device. 2,903,919, 9-15-59, Cl. 77-62.
- Paquot, Charles, and R. Perron, to Centre National de la Recherche Scientifique. Method of recovery of nitric acid and extraction of organic compounds from mixtures resulting from nitric oxides and nitration reactions. 2,882,293, 4-14-59, Cl. 260-466.
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- Chapin, Earl C., and Paradis. 2,902,464.
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- Paragon, Frederick G. 2,906,901.
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- Paramount Textile Machinery Co.: See—  
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- Pardo, Clay E., Jr., and W. Fong, to United States of America Agriculture. Shrinkproofing of wool with chromium complexes. 2,890,926, 6-16-59, Cl. 8-128.
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- Parfitt, John W. Mold assembly for manufacturing concrete inlet tops for storm drains. 2,870,515, 1-27-59, Cl. 25-118.
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- Paris, Charles E., to Mead Board Sales, Inc. Lifting skid pallet. 2,913,206, 11-17-59, Cl. 248-120.
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- Park, Chester A., and H. W. Sprague, to Agricultural Products, Inc. Ensilage handling implement. 2,905,346, 9-22-59, Cl. 214-308.
- Park, John K., and A. Marzocchi, to Owens-Corning Fiberglass Corp. Treatment of fibrous glass with aqueous emulsions of metals and alloys. 2,886,470, 5-12-59, Cl. 117-126.
- Park, Orrin J., and B. U. Cotner, to The Magee Carpet Co. Apparatus for weaving loop pile fabrics. 2,896,671, 7-28-59, Cl. 139-46.
- Park, Orrin J., and B. U. Cotner, to The Magee Carpet Co. Method of weaving high pile fabric. 2,918,944, 12-29-59, Cl. 139-7.
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- Park, Robert H. Gravity controlled mine firing mechanism. 2,892,402, 6-30-59, Cl. 102-16.
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- Park, Rodney F., and J. B. Welch, to Cutler-Hammer, Inc. Methods of and means for electric welding. 2,892,068, 6-23-59, Cl. 219-86.
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- Parker, Alton N. Boat trailer. 2,907,484, 10-6-59, Cl. 214-506.
- Parker, Arnold G., to Canadair Ltd. Thrust reversing device for turbojet engines. 2,886,946, 5-19-59, Cl. 60-35.54.
- Parker, Brooks O'C. Materials handling pallet. 2,906,481, 9-29-59, Cl. 248-120.
- Parker, Bruce L.: See—  
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- Parker, Carol. Collapsible container. 2,899,110, 8-11-59, Cl. 222-215.
- Parker, Charles A., to Monroe Calculating Machine Co. Rotary sequence switch. 2,881,272, 4-7-59, Cl. 200-8.
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- Parker, Charles A., and C. K. Rainey, to Burroughs Corp. Tabulating mechanism for printing business machines. 2,877,881, 3-17-59, Cl. 197-176.
- Parker, Charles, Co., The: See—  
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- Parker, Charles S., and A. Melville, 1/2 to Bleachers' Assn. Ltd., and 1/2 to The Bradford Dyers' Assn. Ltd. Apparatus for ornamentation of fabrics. 2,890,515, 6-16-59, Cl. 26-69.
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- Parker, Clarence D.: See—  
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- Parker, Clarence E., to The Coe Mfg. Co. Apparatus for handling veneer. Re. 24,638, 4-21-59, Cl. 198-21.
- Parker, Dana C.: See—  
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- Parker, Daniel B., and H. D. Kitchen, to Kalamazoo Vegetable Parchment Co. Tear strip, and wrapper and package. 2,870,953, 1-27-59, Cl. 229-51.
- Parker, Earl E.: See—  
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- Parker, Eric, and D. L. Thomas, to The Decca Record Co. Ltd. Pulse radar receivers. 2,878,379, 3-17-59, Cl. 250-20.
- Parker, Ernest V. Fluid delivery apparatus. 2,868,131, 1-13-59, Cl. 103-41.
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- Parker, Fred T., to General Electric Co. Dynamic braking control for multiple unit operation. 2,879,462, 3-24-59, Cl. 318-381.
- Parker, Frederick D., and L. R. Padberg, Jr. Echo ranging recording apparatus. 2,892,666, 6-30-59, Cl. 346-17.
- Parker, Frederick W. Toggle containing jaw crusher. 2,868,464, 1-13-59, Cl. 241-285.
- Parker, George C., and P. N. Taylor. Vehicle attached wire stretching and reeling device. 2,914,270, 11-24-59, Cl. 242-86.2.
- Parker, George J.: See—  
Brooke, Harold, and Parker. 2,903,635.
- Parker, George W.: See—  
Tompkins, Edward R., and Parker. 2,877,093.
- Parker-Hannifin Corp.: See—  
Badger, Everett H., Jr., and Burton. 2,900,165.
- Boosman, Frank C. 2,900,166.
- Brown, Albert W. 2,880,749.
- Endebak, Peter J., Riske, and Tucker. 2,889,009.
- Hartley, Emmett C. 2,883,705.
- Klamm, Carl E., and Blazak. 2,896,691.
- Maha, Otto J. 2,907,596.
- Nenzell, Joseph F. 2,919,147.
- Russell, John G. 2,913,217.
- Smith, Paul F. 2,914,350.
- Stephens, William T. 2,868,227.
- Vahs, William A. 2,874,720.
- Parker, Harold B., to Parker Refrigeration Development Co. Sealed refrigeration unit with auxiliary power pulley. 2,902,205, 9-1-59, Cl. 230-38.
- Parker, Harold N.: See—  
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- Parker, Harry L., and M. A. Michalski, to American Speed-Light Corp. Light flash producing system. 2,873,408, 2-10-59, Cl. 315-183.
- Parker, Harry W., to Phillips Petroleum Co. Initiating in situ combustion in a stratum. 2,880,803, 4-7-59, Cl. 166-11.
- Parker, Harry W., to Phillips Petroleum Co. Recovery of hydrocarbons by in situ combustion. 2,885,987, 6-2-59, Cl. 166-2.
- Parker, Hugh K.: See—  
Marks, Henry C., Joiner, and Parker. 2,903,361.
- Parker, Irven H. Self-centering fuel control valve for carburetors and the like. 2,890,711, 6-16-59, Cl. 137-434.
- Parker, Jack R. Apparatus for designing industrial plant layout. 2,915,831, 12-8-59, Cl. 35-16.
- Parker, James C., and W. R. Horst, to The Commonwealth Engineering Co. of Ohio. Method of simultaneously counting red and white blood cells. 2,875,666, 3-3-59, Cl. 88-14.
- Parker, James S., 1/2 to J. G. Clower. Automatic tree injector. 2,870,576, 1-27-59, Cl. 47-57.5.
- Parker, Jesse E. Steam generating apparatus. 2,906,258, 9-29-59, Cl. 126-362.
- Parker, John A.: See—  
Dunlap, Lawrence H., and Parker. 2,873,201.
- Felgley, David A., Jr., and Parker. 2,914,494.
- Forsythe, Alan K., and Parker. 2,877,203.
- Graham, Galen E., and Parker. 2,893,969.
- Parker, John A., to Armstrong Cork Co. Curable water-miscible copolymer comprising water-soluble polyester and glycol diacrylate. 2,884,404, 4-28-59, Cl. 260-45.4.
- Parker, John A., to Armstrong Cork Co. Binder of diisocyanate modified unsaturated polyester and vinyl chloride polymer and method of preparing same. 2,888,433, 5-26-59, Cl. 260-45.4.
- Parker, John A., and J. Versnel, to Armstrong Cork Co. Composition comprising a diisocyanate modified polyester and polymerized vinyl chloride. 2,872,430, 2-3-59, Cl. 260-45.4.
- Parker, John J., and L. T. Morawski. Splined work piece holder. 2,877,021, 3-10-59, Cl. 279-1.
- Parker, John J., and L. T. Morawski. Expansible arbor with segmental sleeves. 2,877,022, 3-10-59, Cl. 279-2.
- Parker, John J., and L. T. Morawski. Clamping arbor for splines. 2,878,706, 3-24-59, Cl. 82-43.
- Parker, John J., and L. T. Morawski. Work-holder for splined articles with herringbone cams. 2,878,707, 3-24-59, Cl. 82-43.
- Parker, John J., and L. T. Morawski. Chuck for splined articles. 2,879,067, 3-24-59, Cl. 279-1.
- Parker, John J., and L. T. Morawski. Cam-operated work-holder for splined articles. 2,879,068, 3-24-59, Cl. 279-1.
- Parker, John J., and L. T. Morawski. Splined article holder using ball cams. 2,879,682, 3-31-59, Cl. 82-43.
- Parker, John J., and L. T. Morawski. Dual spline chuck. 2,880,005, 3-31-59, Cl. 279-1.
- Parker, John J., and L. T. Morawski. Ball actuated expandable arbor. 2,890,056, 6-9-59, Cl. 279-4.
- Parker, John M.: See—  
Wasson, Burton K., and Parker. 2,901,501.
- Parker, John P., to The American Thermos Products Co. Combination tip protector and shock absorber for vacuum bottles. 2,893,584, 7-7-59, Cl. 215-13.
- Parker, Joseph, to Diamond Alkali Co. Electrolysis of alkali metal chloride brine. 2,870,074, 1-20-59, Cl. 204-98.
- Parker, Konrad, to The Celotex Corp. Packaging of insulating blankets. 2,913,104, 11-17-59, Cl. 206-60.
- Parker, Lawrence E. Baby walker. 2,869,613, 1-20-59, Cl. 155-22.
- Parker, Louis W. Television distribution system. Re. 24,590, 1-20-59, Cl. 250-15.
- Parker, Louis W. Television receivers. 2,885,469, 5-5-59, Cl. 178-5.8.
- Parker, Louis W. High voltage generator for cathode ray tubes. 2,898,506, 8-4-59, Cl. 315-1.
- Parker, Louis W. Tuning indicator and muter for television receivers. 2,912,400, 11-10-59, Cl. 178-5.8.
- Parker, Norman S.: See—  
De Neergaard, Leif E. 2,882,475.
- De Neergaard, Leif E. 2,882,516.
- De Neergaard, Leif E. 2,885,256.
- De Neergaard, Leif E. 2,916,342.
- Parker, Norman W., to Motorola, Inc. Color television synchronizing apparatus with color burst excitation. 2,880,266, 3-31-59, Cl. 178-5.4.
- Parker, Norman W., to Motorola, Inc. Color television system. 2,880,358, 3-31-59, Cl. 315-13.
- Parker, Norman W., to Motorola, Inc. Color television receiver. 2,896,013, 7-21-59, Cl. 178-5.4.
- Parker Pen Co., The: See—  
Baker, Marlin S. 2,871,823.
- Baker, Marlin S. 2,905,148.
- Beckwith, Wendell K. 2,904,839.
- Beckwith, Wendell K. 2,911,669.
- Beckwith, Wendell K. 2,911,949.
- Hyzer, William G. 2,917,631.
- Kersten, William H. 2,870,741.
- Kersten, William H. 2,888,907.
- Randolph, Robert W. 2,888,908.
- Randolph, Robert W. 2,889,810.
- Rhoades, Nolan K., and Baker. 2,916,013.
- Spillman, Kenneth W. 2,876,495.
- Parker Refrigeration Development Co.: See—  
Parker, Harold B. 2,902,205.
- Parker, Richard D. Magnetic fluid clutch with speed control therefor. 2,890,774, 6-16-59, Cl. 192-21.5.
- Parker Rust Proof Co.: See—  
Bell, Ernest P. 2,902,390.
- Cavanagh, Walter R., and Gibson. 2,884,351.
- Cavanagh, Walter R., and Maurer. 2,874,081.
- Dell, Gallard W. 2,868,682.
- Rausch, Werner, and Werner. 2,891,884.
- Russell, William S., and Gibson. 2,882,189.
- Wilkinson, Cyril F., Jenkins, Lake, and Radcliffe. 2,875,111.
- Parker, Sam E. Variable transformer. 2,901,715, 8-25-59, Cl. 336-87.
- Parker, Samuel T.: See—  
Abberley, Maurice W., Parker, and Ellis. 2,867,885.
- Parker, Sue E.: See—  
Parker, Thomas J. 2,914,734.
- Parker, Sydney R., to United States of America Navy. High gain signal amplifier circuit. 2,874,234, 2-17-59, Cl. 179-171.
- Parker, Sylvester N.: See—  
Hanus, John, and Parker. 2,905,375.
- Parker, Thomas J., deceased, by S. E. Parker, executrix. Pedestal modulator. 2,914,734, 11-24-59, Cl. 331-87.
- Parker, Walter L.: See—  
Mathis, Clyde H., Strode, and Parker. 2,918,506.
- Parker, Warren H., 1/2 to C. W. Butler and 1/2 to C. Bork. Wheel brake adjustable anchor. 2,902,118, 9-1-59, Cl. 188-78.
- Parker, William H. Spring clips. 2,910,749, 11-3-59, Cl. 24-66.
- Parker, William M., Jr., to Union Insulating Co., Inc. Molded plastic articles such as outlet boxes. 2,867,349, 1-6-59, Cl. 220-3.3.
- Parker, Wilton E.: See—  
Cluff, Harold E., Parker, and Riple. 2,909,166.
- Parker, Wilton E., W. D. Whitaker, D. L. Getz, H. T. Hertsog, and E. R. Chapman, to The Garret Corp. Combination engine starter and constant speed drive. 2,908,189, 10-13-59, Cl. 74-675.
- Parker, Winfred C. Sleep inducing apparatus. 2,807,901, 10-6-59, Cl. 307-112.
- Parker, Wynton E. Paint roller for curved surfaces. 2,881,461, 4-14-59, Cl. 15-230.
- Parkersburg-Aetna Corp.: See—  
Parks, Asbury S., and O'Bannon. 2,871,072.
- Ray, Robert F. 2,870,860.
- Ray, Robert F. 2,887,174.
- Parkersburg Rig & Reel Co., The: See—  
Spelden, Edgar F. 2,900,841.



- Parkes, Alfred G.: See—  
Schramm, Henry W., Tollefsrud, and Parkes. 2,917,297.
- Parkes, Philip G., to Adamant Engineering Co. Ltd. Power assisted steering mechanism. 2,887,896, 5-26-59, Cl. 74-388.
- Parkes, Ralph C. Drying machine. 2,884,711, 5-5-59, Cl. 34-156.
- Parkes, Stanley, H. B. Merriman, and R. D. Sansum, to Gerrard Industries Ltd. Packaging machines. 2,880,667, 4-7-59, Cl. 100-29.
- Parkes, Stanley, and R. D. Sansum, to Gerrard Industries Ltd. Packaging machines. 2,883,926, 4-28-59, Cl. 100-8.
- Parkhurst, Alfred S.: See—  
Walker, Harold N., and Parkhurst. 2,874,702.
- Parkinson, William E., to United States of America, Atomic Energy Commission. Calutron. 2,891,161, 6-16-59, Cl. 250-41.9.
- Parkinson and Cowan Ltd.: See—  
Sirkkin, Senia, and Randle. 2,871,687.
- Parkinson, Edward J., to Goulding Mfg. Co. Automatic leveling mechanisms. 2,915,961, 12-8-59, Cl. 100-46.
- Parkinson, John S., and W. A. Jack, 3rd, to Johns-Manville Corp. Wall construction embodying heating system. 2,916,261, 12-8-59, Cl. 237-124.
- Parkinson, Martin C., D. Fraser, and C. E. Bender. Drying device. 2,907,117, 10-6-59, Cl. 34-44.
- Parkinson, Martin C., D. Fraser, and C. E. Bender. Method of dehydration of normally liquid food material. 2,907,663, 10-6-59, Cl. 99-199.
- Parkman, William C. Universal joint adjusting means. 2,898,749, 8-11-59, Cl. 64-8.
- Parkmaster Systems, Inc.: See—  
Krieger, Richard S., and Porter. 2,891,636.
- Porter, William J. 2,873,089.
- Parks, Asbury S. Control units for pressure-actuated devices. 2,907,347, 10-6-59, Cl. 137-620.
- Parks, Asbury S., and W. O'Bannon, said O'Bannon assor. to Parkersburg-Aetna Corp. Piston sealing assemblies. 2,871,072, 1-27-59, Cl. 309-31.
- Parks, Carl R. to The Goodyear Tire & Rubber Co. Vulcanizable natural rubber composition and method of vulcanizing same. 2,909,584, 10-20-59, Cl. 260-775.
- Parks, Charles O., to Bell Telephone Laboratories, Inc. Auxiliary sender circuit. 2,867,690, 1-6-59, Cl. 179-18.
- Parks, Clarence E.: See—  
Jennings, Garland B., and Parks. 2,902,460.
- Parks-Cramer Co.: See—  
Granberry, Edgar H. 2,882,374.
- Hewitt, Woodrow W. 2,869,903.
- Hewitt, Woodrow W. 2,880,024.
- Long, John R. 2,910,719.
- Parks, Herman D., to General Electric Co. Multiplying network. 2,893,636, 7-7-59, Cl. 235-194.
- Parks, James M., Jr. Dental floss dispenser. 2,870,773, 1-27-59, Cl. 132-92.
- Parks, Jerome W.: See—  
Felta, Gordon P., Parks, and Seeger. 2,915,928.
- Parks, Jerome W., to Microdot Inc. Cable and wire covering cutter. 2,875,516, 3-3-59, Cl. 30-91.
- Parks, Mercer H.: See—  
Knap, Richard P., Moore, and Parks. 2,906,500.
- Parks, Mercer H., to Jersey Production Research Co. Stabilization of a floating platform. 2,889,795, 6-9-59, Cl. 114-5.
- Parks, Mercer H., to Jersey Production Research Co. Lubrication of bearings. 2,906,504, 9-29-59, Cl. 255-305.
- Parks, Nathan S., to Radio Corp. of America. Synchronized vibrator system. 2,875,397, 2-24-59, Cl. 321-49.
- Parks, Ross L.: See—  
Bennings, Noach, Johnston, Lynch, Markwood, and Parks. 2,908,944.
- Parks, Roy E.: See—  
Nossen, Ernest S., and Parks. 2,919,189.
- Parks, Thomas D.: See—  
Glassbrook, Clarence I., and Parks. 2,896,158.
- Parks, Walter, to Drum-Atic Corp. Barrel cleaning machine. 2,889,566, 6-9-59, Cl. 15-58.
- Parks, Walter J., to The W. S. Tyler Co. Screen deck structure. 2,910,180, 10-27-59, Cl. 209-395.
- Parks, Walter J., to The W. S. Tyler Co. Screen. 2,914,177, 11-24-59, Cl. 209-396.
- Parks, William W.: See—  
Clarkson, Allick, and Parks. 2,899,247.
- Parkton Compound Boiler Co., Inc.: See—  
Parkton, James E. 2,898,049.
- Parkton, James E., to Parkton Compound Boiler Co., Inc. Control for vacuum heating systems. 2,898,049, 8-4-59, Cl. 237-9.
- Parkyn, John M., to Marconi Instruments Ltd. Amplitude modulator arrangements for high frequency energy. 2,882,499, 4-14-59, Cl. 332-52.
- Parlasca, Edwin W.: See—  
Andersen, Raymond C., and Parlasca. 2,873,984.
- Parlin, David B., to Tufted Patterns, Inc. Machine and method of producing loop pile fabrics for use as floor covering. 2,876,183, 3-3-59, Cl. 112-79.
- Parlin, Raymond W., to Grinnell Corp. On-off humidifying systems. 2,913,184, 11-17-59, Cl. 236-44.
- Parmatic Engineering Ltd.: See—  
Gutkowski, Janusz. 2,890,305.
- Parmelee Plastics Co.: See—  
Moeller, William C. 2,877,462.
- Watkins, Willis T. 2,877,463.
- Parmenter, Charles W.: See—  
Herrmann, John A., Higgins, and Parmenter. 2,912,526.
- Parmenter, Raymond O., to Powers-Samas Accounting Machines Ltd. Statistical machines. 2,916,090, 12-8-59, Cl. 164-111.
- Parmelee, James K., to The B. F. Goodrich Co. Hydraulic fluid regulating valve. 2,867,089, 1-6-59, Cl. 60-54.5.
- Parmet, Bernard S., to Motorola, Inc. Color television demodulator. 2,885,466, 5-5-59, Cl. 178-5.4.
- Parmet, Bernard S., to Motorola, Inc. Color television receiver. 2,880,362, 3-31-59, Cl. 315-13.
- Parmet, Bernard S., to Motorola, Inc. Television receiver. 2,886,633, 5-12-59, Cl. 178-5.8.
- Parmet, Bernard S., and J. J. Krakora, Jr., to Motorola, Inc. Color oscillator synchronization system. 2,885,468, 5-5-59, Cl. 178-5.4.
- Parmet, Bernard S., and F. L. Di Nardo, to Motorola, Inc. Tuning system. 2,898,400, 8-4-59, Cl. 178-5.4.
- Parnell, Edward F., to Pneumafil Corp. Yarn handling apparatus. 2,883,732, 4-28-59, Cl. 28-64.
- Parnell, John, to Minneapolis-Honeywell Regulator Co. Electrical measuring apparatus. 2,880,394, 3-31-59, Cl. 324-142.
- Parodi, Felice, to Caesther S. A. Apparatus for producing an excitation applicable in electro-stimulo-therapy. 2,915,060, 12-1-59, Cl. 128-419.
- Paros, Mary, 1/2 to J. Zelepis. Combination Christmas tree cover and needle catcher. 2,911,025, 11-3-59, Cl. 150-52.
- Parr, Bernard A. Lock nut having a split plastic collar and method of assembling same. 2,900,000, 8-18-59, Cl. 151-7.
- Parr, Charles A. Rhomboidal shaped boat. 2,916,004, 12-8-59, Cl. 114-61.
- Parr, Thilburn E.: See—  
Denend, Lowell E., and Schroeder. 2,905,129.
- Parr, William G.: See—  
Cheetham, William R., and Parr. 2,899,489.
- Cheetham, William R., and Parr. 2,899,490.
- Parraga, Alfredo J. Beverage maker and dispenser. 2,879,811, 3-31-59, Cl. 141-82.
- Parrett, Dent, to Lambert Brake Corp. Automatic self-adjusting clutch. 2,876,881, 3-10-59, Cl. 192-85.
- Parris, Chester L.: See—  
Christenson, Roger M., Parris, and Parker. 2,874,141.
- Parris, Warren M.: See—  
Gliest, Andrew J., Parris, and Frost. 2,892,743.
- Parris, William J., to Westinghouse Electric Corp. Ferrite switching apparatus. 2,917,679, 12-15-59, Cl. 317-123.
- Parrish, Frank W., to International Rectifier Corp. Rectifier. 2,918,612, 12-22-59, Cl. 317-234.
- Parrish, Norman C., to Northrop Aircraft, Inc. Explosively released nut. 2,871,750, 2-3-59, Cl. 85-32.
- Parrish, Ralph W.: See—  
Maxwell, Carl A., and Parrish. 2,886,067.
- Parrish, Stanton E.: See—  
Hale, Arian B., and Parrish. 2,868,856.
- Parrish, William: See—  
DeWolf, Pieter M., and Parrish. 2,887,585.
- Parriss, Walter H., and T. J. Anderson, to The British Thomson-Houston Co. Ltd. Electric contact carbon brush. 2,909,452, 10-20-59, Cl. 117-218.
- Parrott, Fred G. Package support or holder for indefinite length material. 2,915,260, 12-1-59, Cl. 242-130.
- Parrott, Gordon G. Carrier for boats. 2,916,747, 12-15-59, Cl. 9-1.
- Parrott, Robert D., to The Western Union Telegraph Co. Optical scanner. 2,912,497, 11-10-59, Cl. 178-7.1.
- Parry, Frank: See—  
Harvey, Valentine P., and Parry. 2,887,011.
- Parry, Frank, to The Singer Mfg. Co. Blind stitch sewing machines. 2,876,722, 3-10-59, Cl. 112-260.
- Parry, Frank, to The Singer Mfg. Co. Work table height adjusting mechanism for blindstitch sewing machines. 2,895,442, 7-21-59, Cl. 112-260.
- Parry, Frank, and E. F. Dunn, to The Singer Mfg. Co. Work supporting mechanisms for blindstitch sewing machines. 2,874,661, 2-24-59, Cl. 112-178.
- Parry, Harvey L., and J. E. Carey, to Shell Development Co. Process for resinifying polyepoxides and resulting products. 2,909,494, 10-20-59, Cl. 260-18.
- Parry, Robert, to United States of America, Air Force. Slide drive assembly for bombing training device. 2,911,739, 11-10-59, Cl. 35-25.
- Parshall, Clarence M., and P. Geyer, to United States Rubber Co. Pelletizing apparatus. 2,910,726, 11-3-59, Cl. 18-12.
- Parshall, George W.: See—  
England, David C., and Parshall. 2,879,302.
- Parshall, George W., to E. I. du Pont de Nemours and Co. Organic compounds of silicon and phosphorus and their preparation. 2,907,785, 10-6-59, Cl. 260-448.2.
- Parshall, Mills V.: See—  
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- Parson, John R. Soap dish. 2,914,777, 12-1-59, Cl. 4-187.
- Parsonage, Edward E. Drilling machine. 2,913,287, 12-1-59, Cl. 255-3.

- Parsons, C. A., & Co. Ltd.: See—  
Hawthorne, Edward F. 2,895,212.
- Hryniesak, Waldemar. 2,893,697.
- Hryniesak, Waldemar. 2,895,296.
- Kolb, Paul, Arkless, and Bolter. 2,867,408.
- Zadnik, Otto E. F. 2,907,170.
- Parsons, Charles O., deceased; G. M. Parsons, executrix, 1/4 to G. M. Parsons. Printed circuit techniques. 2,907,923, 10-6-59, Cl. 317-101.
- Parsons Corp.: See—  
Brogren, Axel V. 2,917,033.
- Harwood, Floyd E. 2,904,729.
- Stamm, Robert H., and Ballauer. 2,884,077.
- Stamm, Robert H., Fox, and Steed. 2,884,078.
- Parsons, Edgar S., J. H. Johnson, and A. J. de Gozzaldi, to Shawmut Engineering Co. Method of and means for obtaining uniformity of tuft length in Axminster fabrics. 2,915,090, 12-1-59, Cl. 139-8.
- Parsons, Floyd B.: See—  
Olson, Walter J., Parsons, and Schrank. 2,893,208.
- Parsons, Frederick L. Ground traction unit. 2,900,210, 8-18-59, Cl. 305-2.
- Parsons, George B., to United States of America, Navy. Shock mounting system for packaging. 2,919,046, 12-29-59, Cl. 240-15.
- Parsons, Gertrude M.: See—  
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- Parsons, Hubert J., and A. A. Peterson, to Harding Brothers, Inc. Feed chucks. 2,895,740, 7-21-59, Cl. 279-41.
- Parsons, James R., to Phillips Petroleum Co. Angular position telemetering system. 2,891,239, 6-16-59, Cl. 340-190.
- Parsons, James R., to Phillips Petroleum Co. Electrical measuring apparatus. 2,904,751, 9-15-59, Cl. 324-61.
- Parsons, James R., to Phillips Petroleum Co. Analyzer and sampling system. 2,908,820, 10-13-59, Cl. 250-43.5.
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- Parsons, John: See—  
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- Parsons, John B. Switch mechanism. 2,896,036, 7-21-59, Cl. 200-44.
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- Parsons, John B. Reverse gear operating system for marine engines. 2,916,031, 12-8-59, Cl. 123-179.
- Parsons, Joseph R., to Chicago Fire Brick Co. Radiant wall furnace. 2,895,544, 7-21-59, Cl. 158-4.5.
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Cleff, Peter H. 2,888,784.
- Darling, Robert F. 2,915,877.
- Terrell, Basil J. 2,895,294.
- Terrell, Basil J., and Bayley. 2,873,087.
- Parsons, Neal B. Sole for football shoes. 2,888,756, 6-2-59, Cl. 36-59.
- Parsons, Ralph M., Co., The: See—  
Grossman, Jack J. 2,917,728.
- Parsons, Robert C.: See—  
Allen, George J., and Parsons. 2,903,393.
- Parsons, Stuart L.: See—  
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- Parsons, Walter W. Trailer stabilizer. 2,892,639, 6-30-59, Cl. 280-460.
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- Parstorfer, John, to I-T-E Circuit Breaker Co. Connecting link for vibrating bodies. 2,882,748, 4-21-59, Cl. 74-581.
- Partansky, Alexander M., to The Dow Chemical Co. Method of impregnating wood with paraffin wax and with polyethylene glycol to improve its cutting qualities. 2,907,684, 10-6-59, Cl. 117-149.
- Partansky, Alexander M., to The Dow Chemical Co. Synthetic drying oil. 2,918,440, 12-22-59, Cl. 260-19.
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- Johnson, Stanley A. 2,916,073.
- Parten, Gerald: See—  
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- Johnson, Stanley A. 2,916,073.
- Parten Machinery Co.: See—  
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- Partin, Earl E. Grass protection device. 2,899,775, 8-18-59, Cl. 47-1.
- Partin, Melvin E.: See—  
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- Patton, Paul W., R. H. Kelly, and J. P. MacNeil, to National Research Corp. Coating. 2,909,148, 10-20-59, Cl. 118-49.
- Patton, Paul W., and R. H. Kelly, to National Research Corp. Apparatus for coating metal onto metal by vaporizing the coating. 2,910,039, 10-27-59, Cl. 118-49.
- Patton, Roy C. Portable liquid-transporting and dispensing apparatus. 2,903,189, 9-8-59, Cl. 239-129.
- Patton, Stewart U. Bearing construction with edge load relief. 2,898,164, 8-4-59, Cl. 308-238.
- Patton, Stewart U. Bearing construction with edge load relief. 2,898,165, 8-4-59, Cl. 308-239.
- Patton, Wade H., W. H. Patton, Jr., and A. Roth, to Lanston Monotype Machine Co. Type composing machine. 2,883,038, 4-21-59, Cl. 199-77.
- Patton, Wade H., Jr.: See—
- Patton, Wade H. and Wade H., Jr., and Roth. 2,883,038.
- Patureau, Arthur M., to Minneapolis-Honeywell Regulator Co. Liquid level measuring apparatus. 2,874,374, 2-24-59, Cl. 73-421.
- Patzner, William A., to L. W. Menzimer, trustee. Selector device. 2,888,835, 6-2-59, Cl. 74-483.
- Patzner, William A., and W. A. Tratsch, to Ideal Dispenser Co. Vending machine. 2,877,928, 3-17-59, Cl. 221-295.
- Paukstela, Stanley: See—
- Chastaney, Ruth G., and Paukstela. 2,886,147.
- Paul, Albert P.: See—
- Deahl, Thomas J., Paul, and Steinle. 2,892,687.
- Tsang, Sien M., Lewis, and Paul. 2,893,816.
- Paul, Gunther, to Telefunken Gesellschaft für drahtlose Telegraphie m.b.H. Synchronization signal separation circuit. 2,890,279, 6-9-59, Cl. 178-69.5.
- Paul, Hal F. Load leveling cart. 2,893,578, 7-7-59, Cl. 214-378.
- Paul, Harry F., to Browning Laboratories, Inc. Apparatus for frequency-modulation reception with means for muting noise. 2,914,664, 11-24-59, Cl. 250-6.
- Paul, Israel A., and A. H. Greene, to Sperry Rand Corp. Automatic tuning systems. 2,875,329, 2-24-59, Cl. 250-20.
- Paul, Jack: See—
- Ashe, William J. 2,905,259.
- Paul, Julien, to United Merchants and Manufacturers, Inc. Textile printing emulsions. 2,894,801, 7-14-59, Cl. 8-70.
- Paul Knitting Mills, Inc.: See—
- Long, Stuart S., and Cox. 2,899,116.
- Paul, Mahrie F. Nut splitter. 2,879,592, 3-31-59, Cl. 30-272.
- Paul, Nathan: See—
- Reece, Clarence D., and Paul. 2,893,149.
- Paul, Robert E., to Minnesota and Ontario Paper Co. Vapor resisting roof structure. 2,872,882, 2-10-59, Cl. 108-6.
- Paul, Robert J. A.: See—
- Thomas, Eric L., and Paul. 2,918,218.
- Paul, Talbert W., to Deere & Co. Seeding device. 2,870,940, 1-27-59, Cl. 221-233.
- Paul, Walter: See—
- Lohs, Willy, Paul, and Geese. 2,890,447.
- Paul, Walter, to Windmüller & Holscher. Tube manufacturing machines. 2,902,906, 9-8-59, Cl. 93-19.
- Paulding, David L., to Ref Mfg. Corp. Electric oven. 2,885,526, 5-5-59, Cl. 219-35.
- Paulding, John I., Inc.: See—
- Geler, William. 2,900,618.
- Paule, Kurt: See—
- Zechall, Richard, and Paule. 2,899,952.
- Paule, Willy, to Robert Bosch G.m.b.H. Electrical lighting arrangement. 2,910,621, 10-27-59, Cl. 315-82.
- Paulick, Joseph H., Jr. Cutter guard. 2,918,165, 12-22-59, Cl. 206-16.
- Pauling, Martin F. Conduit bender. 2,893,461, 7-7-59, Cl. 153-48.
- Paulson, William L., Jr., to Bailey Meter Co. Vapor generating and superheating operation. 2,869,520, 1-20-59, Cl. 122-479.
- Paul, Ambrose D., H. A. Kelly, and R. A. Mudge, to Wheeling Stamping Co. Hinged closure. 2,889,087, 6-2-59, Cl. 222-498.
- Paul, Peter L., to Texaco Development Corp. Carbon monoxide conversion process. 2,892,685, 6-30-59, Cl. 23-213.
- Paul, Peter L., to Texaco Development Corp. Ore beneficiation process and apparatus. 2,916,213, 12-8-59, Cl. 241-5.
- Paul, Stephen. Sequential pulse generator. 2,891,170, 6-16-59, Cl. 307-88.
- Paul, Stephen. Counter circuit. 2,912,681, 11-10-59, Cl. 340-174.
- Paul, Stephen. Magnetic core nondestructive readout circuit. 2,913,708, 11-17-59, Cl. 340-174.
- Paul, Stephen. Magnetic core binary circuit. 2,916,729, 12-8-59, Cl. 340-174.
- Paulus, James W. Bale buncher. 2,886,938, 5-19-59, Cl. 56-474.
- Paulos, George L., and D. M. Bahlatzis. Horse racing game. 2,879,998, 3-31-59, Cl. 273-86.
- Paulsen, Edwin L.: See—
- First, Vincent E., and Paulsen. 2,918,801.
- Paulsen, Gerhard A. Roller for dragger nets. 2,910,796, 11-3-59, Cl. 43-9.
- Paulsen, Hans C., to United Shoe Machinery Corp. Machines for applying heated thermoplastic adhesives. 2,868,160, 1-13-59, Cl. 118-202.
- Paulsen, Hans C., to United Shoe Machinery Corp. Cement handling apparatus. 2,872,916, 2-10-59, Cl. 128-343.5.
- Paulsen, Hans C., to B. B. Chemical Co. Handling thermoplastic adhesives. 2,874,084, 2-17-59, Cl. 154-53.6.
- Paulsen, Hans C., to United Shoe Machinery Corp. Cement handling apparatus. 2,877,763, 3-17-59, Cl. 126-343.5.
- Paulsen, Hans C., to United Shoe Machinery Corp. Tape coating and dispensing apparatus. 2,878,777, 3-24-59, Cl. 118-43.
- Paulsen, Hans C., to United Shoe Machinery Corp. Apparatus for handling thermoplastic cement in rod form. 2,884,922, 5-5-59, Cl. 126-343.5.
- Paulsen, Hans C., to B. B. Chemical Co. Machines for forming shoe covers. 2,891,264, 6-23-59, Cl. 12-1.
- Paulsen, Harold A. Combination hallway and disappearing dressing room. 2,884,666, 5-5-59, Cl. 20-2.
- Paulsen, Jean F., to Societe Luxembourgeoise de Brevets et de Participations Lubrepa. Resilient suspension devices. 2,893,665, 7-7-59, Cl. 248-24.
- Paulsen, Paul L., V. H. Hiers, and C. G. Kanzelberger, to Hamilton Mfg. Co. Drafting board mechanism with automatic retraction means. 2,899,772, 8-18-59, Cl. 45-131.
- Paulsen, Robert C.: See—
- Bloch, Erich, and Paulsen. 2,889,543.
- Paulsen, Robert C., to International Business Machines Corp. Digital microvolt measuring device. 2,880,392, 3-31-59, Cl. 324-99.
- Paulsen, Robert C., and A. H. Dickinson, to International Business Machines Corp. Polystable trigger circuit. 2,901,608, 8-25-59, Cl. 250-27.
- Paulsen, William F., to E. I. du Pont de Nemours and Co. Process of orienting a dense tow of polymeric ester filaments by two step hot aqueous bath treatments. 2,918,346, 12-22-59, Cl. 8-130.1.
- Paulsohn, Lester H., to Sawyer's Inc. Device for feeding discs in projectors, viewers, and the like. 2,916,964, 12-15-59, Cl. 88-27.
- Paulson, Christian, to Western Electric Co., Inc. Fixture for assembling and aligning components of a magnetron. 2,915,807, 12-8-59, Cl. 29-25.19.
- Paulson, Rueben E.: See—
- Albertson, Victor N., and Paulson. 2,916,926.
- Paulson, William A., to Barber-Colman Co. Frequency responsive receiver for remote control system. 2,889,536, 6-2-59, Cl. 340-164.
- Paulson, William J.: See—
- Camp, Richard L., and Paulson. 2,875,324.
- Paulton, Richard A., to The Cincinnati Milling Machine Co. Forming press diaphragm. 2,878,767, 3-24-59, Cl. 113-44.
- Paulucci, Jeno F. Frozen food package display rack. 2,889,924, 6-9-59, Cl. 206-77.
- Pauly, Joachim W., to Westinghouse Air Brake Co. Cushioned piston assembly for cylinders. 2,884,903, 5-5-59, Cl. 121-38.
- Pauly, Remigius. Impeller for dishwashing machine. 2,881,777, 4-14-59, Cl. 134-186.
- Pauly, William H.: See—
- Meulemans, Benedict E., and Pauly. 2,902,804.
- Paumier, Jean A., and P. E. Terrason. Apparatus for detecting leakage of gaseous halogen compounds. 2,907,639, 10-6-59, Cl. 23-254.
- Paveika, Joseph, Jr. Electric waffle baker. 2,877,703, 3-17-59, Cl. 99-331.
- Pavey, George M., Jr., to Marine Instrument Co. Firing line for subaqueous geophysical prospecting. 2,870,708, 1-27-59, Cl. 102-16.
- Pavey, George M., Jr., to Marine Research Co. Ring actuated locking electrode for a towed firing line. 2,897,755, 8-4-59, Cl. 102-16.
- Pavian, Dorothy S.: See—
- Sillars, Frederick S., and Pavian. 2,893,026.
- Pavian, Henry C.: See—
- Sillars, Frederick S., and Pavian. 2,893,026.
- Pavlak, Casimir J.: See—
- Nelson, Willis N., and Pavlak. 2,883,978.
- Pavlecka, Vladimir H. Aerostatic bearings with fluid-dynamic seals. 2,916,332, 12-8-59, Cl. 308-9.
- Pavlick, Michael A., to Esso Research and Engineering Co. Control of isobutylene polymerization reaction rate. 2,901,471, 8-25-59, Cl. 260-94.8.
- Pavlinetz, George. Method of forming wing nuts from tubular stock. 2,889,564, 6-9-59, Cl. 10-86.
- Pavol, Andrew J. Tray attachment for automobile glove compartments. 2,905,370, 9-22-59, Cl. 224-42.32.
- Pawelka, Gustav J., to Fairhaven Properties Corp. Display sign. 2,871,598, 2-3-59, Cl. 40-130.
- Pawley, Myron G., and J. M. Sacks, to Zenith Radio Corp. Subscriber television system with code reset bursts in audio channel. 2,881,244, 4-7-59, Cl. 178-5.1.
- Pawlicki, Clarence D., to Owens-Illinois Glass Co. Method of applying sealing compositions to glass parts. 2,894,359, 7-14-59, Cl. 49-82.
- Pawling, Frank, to Dowty Hydraulic Units Ltd. Shock absorbers. 2,914,195, 11-24-59, Cl. 213-43.
- Paxton, Allen D., F. S. Smith, and C. H. Johnson, to E. Paxton. Method and apparatus for making paper plant covers. 2,883,914, 4-28-59, Cl. 93-36.2.
- Paxton, Charles M. Concrete wall form. 2,895,208, 7-21-59, Cl. 25-131.
- Paxton, Edward G., Jr.: See—
- Ald, Joseph J., and Paxton. 2,878,145.

- Paxton, Eleanor: See—
- Paxton, Allen D., Smith, and Johnson. 2,883,914.
- Paxton, Ellisha W., to Stratabar Process Co. Method and apparatus for producing molten silicates. 2,902,524, 9-1-59, Cl. 13-6.
- Paxton, Floyd G., and F. M. Baer, to Kwik Lok Corp. Code marking method and apparatus. 2,907,586, 10-6-59, Cl. 283-18.
- Paxton, Harold D., to Calwire. Tool nose with T-nail centralizer. 2,910,698, 11-3-59, Cl. 1-46.
- Payne, Andrew H., Jr., and H. J. Gauggel, Jr. Process and apparatus for pressure testing vessels. 2,895,328, 7-21-59, Cl. 73-49.1.
- Payne, Clarence W.: See—
- Overton, Albert E. 2,884,038.
- Payne, Edwin M.: See—
- Booth, Richard H., and Payne. 2,882,864.
- Call, Roland A., and Payne. 2,887,638.
- Payne, Frank E., to Crane Packing Co. Sealing element for rotary mechanical seals. 2,871,039, 1-27-59, Cl. 286-11.14.
- Payne, Frank E., to Crane Packing Co. Rotary mechanical seal. 2,871,040, 1-27-59, Cl. 286-11.14.
- Payne, Frank E., deceased: Continental Illinois National Bank & Trust Co. of Chicago, executor, to Crane Packing Co. Fluid seal. 2,872,220, 2-3-59, Cl. 286-11.15.
- Payne, Frank E., to Crane Packing Co. Rotary mechanical seal. 2,884,266, 4-28-59, Cl. 286-11.
- Payne, Frank E., to Crane Packing Co. Rotary mechanical seal. 2,892,642, 6-30-59, Cl. 286-11.
- Payne, Frank E., to Crane Packing Co. Rotary mechanical seal. 2,894,770, 7-14-59, Cl. 286-11.14.
- Payne, Frank E., to Crane Packing Co. Rotary mechanical seal. 2,899,219, 8-11-59, Cl. 286-11.
- Payne, Frank E., and J. H. Thayer, to Crane Packing Co. Sealing device for a swivel joint having plural fluid passages. 2,877,026, 3-10-59, Cl. 285-94.
- Payne, George B., and C. W. Smith, to Shell Development Co. Epoxidized polyethylenically unsaturated polycarboxylic acids, derivatives thereof and method for producing the same. 2,870,125, 1-20-59, Cl. 260-78.3.
- Payne, George B., and C. W. Smith, to Shell Development Co. Esters of epoxy-substituted polycarboxylic acids and epoxy-substituted alcohols. 2,870,170, 1-20-59, Cl. 260-348.
- Payne, George B., and G. E. Hein, to Shell Development Co. Oxidation of cyclic ketones. 2,904,584, 9-15-59, Cl. 260-484.
- Payne, Hollis S. Blast hole loader and tamper. 2,893,285, 7-7-59, Cl. 86-20.
- Payne, Hugh F., to John B. Pierce Foundation. Heat transfer method and apparatus. 2,910,244, 10-27-59, Cl. 237-56.
- Payne, Janet C. Attachment for playpens. 2,917,864, 12-22-59, Cl. 46-43.
- Payne, John B., to Jersey Production Research Co. Dual screen assembly. 2,868,296, 1-13-59, Cl. 166-119.
- Payne, John B., to Jersey Production Research Co. Assembly for producing oil. 2,906,207, 9-29-59, Cl. 103-4.
- Payne, John H.: See—
- Hurwitz, Henry, Jr., Brooks, Mannal, Payne, and Luebke. 2,879,216.
- Payne, John W., to Socony Mobil Oil Co., Inc. Apparatus for feeding solids into pressure vessels. 2,879,903, 3-31-59, Cl. 214-17.
- Payne, John W., to Socony Mobil Oil Co., Inc. Hydrocarbon conversion. 2,885,100, 5-5-59, Cl. 214-152.
- Payne, John W., F. E. Ray, and H. W. Shea, to Socony Mobil Oil Co., Inc. Gas solids separation in a pneumatic lift. 2,873,147, 2-10-59, Cl. 302-59.
- Payne, Leslie G. M.: See—
- Horstmann, Kenneth J., and Payne. 2,904,648.
- Payne, Oscar D., Jr.: See—
- Payne, Oscar D., Sr., and O. D. Payne, Jr. 2,872,006.
- Payne, Oscar D., Sr., and O. D. Payne, Jr. Tamper-proof television receiver installation. 2,872,006, 2-3-59, Cl. 194-1.
- Payne, Paul D., Jr., to Philco Corp. Improved washing operation for cathode ray tube manufacturing process. 2,907,688, 10-6-59, Cl. 134-23.
- Payne, Roy F. Nipper and gaff grip combination. 2,877,045, 3-10-59, Cl. 294-26.
- Payne, Verna L.: See—
- Charlton, Richard E., Jr., and Payne. 2,882,614.
- Charlton, Richard E., Jr., and Payne. 2,893,043.
- Payne, Verna L., to West Point Mfg. Co. Impregnating apparatus. 2,877,739, 3-17-59, Cl. 118-419.
- Payne, Walter B., and P. J. Thut, to Burroughs Corp. Consecutive number recording apparatus. 2,891,469, 6-23-59, Cl. 101-76.
- Payne, William F.: See—
- Barrett, Hillard E., and Payne. 2,872,785.
- Payne, William H. Hydraulic reaction power amplification. 2,882,917, 4-21-59, Cl. 137-83.
- Payne, William H., to Dresser Operations, Inc. High pressure piston ring assembly. 2,885,249, 5-5-59, Cl. 309-29.
- Paynter, Donald A.: See—
- Chow, Woo F., and Paynter. 2,878,386.
- Payson, Peter: See—
- Hsiao, Chi-Mei, Dulis, and Payson. 2,909,425.
- Payson, Peter, to Crucible Steel Co. of America. Non-magnetic austenitic steel. 2,876,096, 3-3-59, Cl. 75-126.
- Payson, Peter, to Crucible Steel Co. of America. Alloy steel. 2,914,401, 11-24-59, Cl. 75-126.
- Payson, Peter, and D. I. Dilworth, Jr., to Crucible Steel Co. of America. Wear resistant alloy steel. 2,867,532, 1-6-59, Cl. 75-126.
- Payton, John H., and H. O. Schuetze, to Great Lakes Stamp & Mfg. Co., Inc. Method of heat shrinking wrappers on food. 2,906,627, 9-29-59, Cl. 99-171.
- Payton, Luther L. Drop box lifting lever for looms. 2,892,469, 6-30-59, Cl. 139-181.
- Payzant, Henry H., to Timber Structures, Inc. Woodworking finger joint cutter assembly. 2,870,807, 1-27-59, Cl. 144-218.
- Payzant, Henry H., to Timber Structures, Inc. Air drill. 2,896,877, 7-28-59, Cl. 144-104.
- Payzant, Henry H., and W. B. Leffer, to Timber Structures, Inc. Finger joint gluer. 2,890,677, 6-16-59, Cl. 118-243.
- Paz, Alfred R., to American Cyanamid Co. Process of preparing urea-formaldehyde molding composition. 2,872,425, 2-3-59, Cl. 260-17.3.
- Pazderski, Roman R.: See—
- Stremke, William F., W. F. Stremke, Jr., and Pazderski. 2,903,261.
- Stremke, William F., W. F. Stremke, Jr., and Pazderski. 2,917,885.
- Stremke, William F., W. F. Stremke, Jr., and Pazderski. 2,917,886.
- Pazik, Edward F. Roller accessory for a tricycle. 2,886,343, 5-12-59, Cl. 250-289.
- Pease, Archibald M. G. Marine reverse gear mechanism. 2,911,839, 11-10-59, Cl. 74-205.
- Peach, James W.: See—
- Redmond, John A., Peach, Wuerfel, and Weight. 2,900,479.
- Peach, John R. Picture hanger. 2,875,542, 3-3-59, Cl. 40-152.1.
- Peachey, Chester J.: See—
- Penland, Lemuel, Best, and Peachey. 2,903,195.
- Peacock, James L. Basket and crate tool. 2,879,807, 3-31-59, Cl. 140-123.
- Peacock, Wendell C., to Tracerlab, Inc. Operation of pipelines. 2,905,822, 9-22-59, Cl. 250-43.5.
- Peak, Charles B., to Deere & Co. Hitch device for trailing break-back mower. 2,867,959, 1-13-59, Cl. 56-25.
- Pearce, Albert E., to West Virginia Pulp and Paper Co. Controlled rate fluent material feeder. 2,873,891, 2-17-59, Cl. 222-144.
- Pearce, Albert F., and D. J. Wootton, to Electric & Musical Industries Ltd. Electron discharge devices employing cavity resonators. 2,901,680, 8-25-59, Cl. 315-5.32.
- Pearce, Albert F., and K. H. Kreuchen, to Electric & Musical Industries Ltd. Electron discharge devices and electrical resonators therefor. 2,904,719, 9-15-59, Cl. 315-5.19.
- Pearce Development Co.: See—
- Pearce, Lewis C. 2,884,820.
- Pearce, George W., and R. J. Johnson, to W. R. Grace & Co. Air operated package sealing machine. 2,886,928, 5-19-59, Cl. 53-112.
- Pearce, Graham, to Painton & Co. Ltd. Electrical resistors. 2,875,309, 2-24-59, Cl. 201-63.
- Pearce, Howard R. Calendar with a current date indicator. 2,871,595, 2-3-59, Cl. 40-110.
- Pearce, Irvin L. Log assembly. 2,918,705, 12-29-59, Cl. 20-5.
- Pearce, James G., and J. F. Denby, to Automatic Telephone & Electric Co. Ltd. Sequential selection or hunting arrangements. 2,883,578, 4-21-59, Cl. 315-84.5.
- Pearce, James G., and M. P. Tuhinis, to General Dynamics Corp. Multioffice interlocked signaling telephone system. 2,897,253, 7-28-59, Cl. 179-15.
- Pearce, Lewis C., to Pearce Development Co. Drilling jig structure. 2,884,820, 5-5-59, Cl. 77-62.
- Pearce, Maurice N.: See—
- Colley, Rowan H., Basford, Moore, and Pearce. 2,916,876.
- Pearce, Ralph R., to Electric & Musical Industries Ltd. Cathode ray tubes. 2,898,491, 8-4-59, Cl. 313-70.
- Pearce, Ralph R., and H. W. Turner, to Electric & Musical Industries Ltd. Plural beam cathode ray tubes. 2,915,671, 12-1-59, Cl. 315-13.
- Pearce, Robert K.: See—
- Arnold, Walter L., and Pearce. 2,890,971.
- Pearl, Carl E.: See—
- Cohen, Murray S., and Pearl. 2,894,803.
- Pearl, Daniel M. 50% to Matthias J. Prapat. Self-cancelling vehicle direction signal means. 2,917,725, 12-15-59, Cl. 340-036.
- Pearl, David R., to United Aircraft Corp. Balanced servo actuating means. 2,911,991, 11-10-59, Cl. 137-85.
- Pearl, David R., to United Aircraft Corp. Temperature compensated regulator. 2,917,067, 12-15-59, Cl. 137-115.
- Pearlman, William, to United States of America, Navy. Vertical antenna measuring range. 2,881,426, 4-7-59, Cl. 343-100.
- Pearlman, William, to United States of America, Navy. Amplitude comparator circuit. 2,882,522, 4-14-59, Cl. 340-253.
- Pearlstine, Morton, to The Bunting Co., Inc. Foldable contour-type chair. 2,877,826, 3-17-59, Cl. 155-117.



- Pearne, Frank S. Jack structure supported by spring mounted wheels. 2,891,764, 6-23-59, Cl. 254-1.
- Pearne, Frank S. Jack. 2,891,765, 6-23-59, Cl. 254-2.
- Pearson, David E., to Bickford Research Laboratories Inc. Combustible composition. 2,909,418, 10-20-59, Cl. 52-2.
- Pearson, Frank M., Jr., to Bell Telephone Laboratories, Inc. Identifier-recorder. 2,889,402, 6-2-59, Cl. 179-5.5.
- Pearson, Frank M., Jr., and R. E. Staehler, to Bell Telephone Laboratories, Inc. Transistor circuits. 2,877,337, 3-10-59, Cl. 307-85.5.
- Pearson, Arald B., to The Clark Controller Co. Switches with wiping contacts. 2,879,359, 3-24-59, Cl. 200-164.
- Pearson, Arthur J., and W. H. Tomlinson, to Owens-Corning Fiberglass Corp. Method of making metal-reinforced boards of mineral fibers. 2,890,147, 6-9-59, Cl. 154-122.
- Pearson, Charles Jr.: See—
- Glass, Marvin L., and Pearson. 2,896,367.
- Pearson, Charles Jr. Disc record cutting means. 2,867,694, 1-6-59, Cl. 179-100.4.
- Pearson, Charles Jr. Electrically operated engraving unit. 2,881,521, 4-14-59, Cl. 33-25.
- Pearson, Charles Jr., and G. Licitis, to M. I. Glass. Toy tele-typewriter. 2,875,881, 3-3-59, Cl. 197-49.
- Pearson, Charles M.: See—
- Corbin, Wesley S., Pearson, and Walden. 2,870,690.
- Pearson, Charles W., to General Electric Co. Incandescent lamp mount structure. 2,877,375, 3-10-59, Cl. 313-315.
- Pearson, Clifton H. Three-way control valve. 2,899,067, 8-11-59, Cl. 210-390.
- Pearson, Donald L., and J. D. Nelson, to General Electric Co. Exhausting and gas filling machines for lamps. 2,870,586, 1-27-59, Cl. 53-79.
- Pearson, Edward P.: See—
- Ellis, Howard P., Jr., Pearson, and Lee. 2,898,194.
- Pearson, Frank A.: See—
- Kozikowski, Felix, and Pearson. 2,900,049.
- Pearson, Gerald L.: See—
- Fuller, Calvin S., and Pearson. 2,896,128.
- Pearson, Harry A. Rope fastener. 2,900,689, 8-25-59, Cl. 24-128.
- Pearson, Louis O. Retaining wall. 2,911,794, 11-10-59, Cl. 61-35.
- Pearson, Otto H., and J. L. Strike, to The American Laundry Machinery Co. Shirt-folding mechanism. 2,913,156, 11-17-59, Cl. 223-37.
- Pearson, Paul A. Pulse generator. 2,916,640, 12-8-59, Cl. 307-106.
- Pearson, Raymond C. Water powered retractable shower-head. 2,898,603, 8-11-59, Cl. 4-145.
- Pearson, Raymond C. Retractable and adjustable shower head. 2,903,710, 9-15-59, Cl. 4-145.
- Pearson, Richard K., and T. Wartik, to Callery Chemical Co. Reaction products of NABH<sub>4</sub> and CO<sub>2</sub>. 2,872,474, 2-3-59, Cl. 260-462.
- Pearson, Ronald D. Pressure exchangers. 2,904,242, 9-15-59, Cl. 230-69.
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- Pearson, Thomas F.: See—
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- Pearson, Tilton H., to Ethyl Corp. Cyclopentadienyl manganese compounds. 2,915,440, 12-1-59, Cl. 204-59.
- Pearson, Vincent P., and M. O. Holowaty, to Inland Steel Co. Marking or dulling of tin plate. 2,876,176, 3-3-59, Cl. 204-37.
- Pearson, William L.: See—
- Ralph, Herman S., Nellis, and Pearson. 2,886,213.
- Pearson, William S. Galvanizing means. 2,889,803, 6-9-59, Cl. 113-63.
- Pearson, William S., to Clifton Conduit Corp. Removal of excess spelter from the interior of freshly galvanized pipe. 2,893,348, 7-7-59, Cl. 118-11.
- Peart, Leland L., and J. E. Kettman, to Rheem Mfg. Co. Method of producing electroplated containers. 2,907,701, 10-6-59, Cl. 204-26.
- Peas, Lucien, to Regie Nationale des Usines Renault. Device for measuring radiations from a spectrum by means of an exploring photoelectric cell. 2,918,606, 12-22-59, Cl. 315-155.
- Pease, F. B., Co.: See—
- Woodward, Bernard, Jr. 2,884,974.
- Pease, George R.: See—
- Petryck, Leon M., and Pease. 2,900,490.
- Pease, George W., Jr. Rotary drill bit. 2,901,222, 8-25-59, Cl. 255-61.
- Pease, Harlow H., to Clum Mfg. Co. Unit electrical switch for gang assembly. 2,874,338, 2-17-59, Cl. 317-99.
- Pease, Marshall C., III: See—
- Moats, Robert R., Dawson, and Pease. 2,916,656.
- Pease, Mason E. Coupler hangers for trampolines. 2,916,746, 12-15-59, Cl. 5-199.
- Pease, Robert H. Trailer brake control system. 2,870,876, 1-27-59, Cl. 188-139.
- Pease, Stephen W.: See—
- Hutzler, John R., and Pease. 2,890,396.
- Pease, William C., III: See—
- Van Doorn, Donald W., and Pease. 2,882,816.
- Peasey, Philip R.: See—
- Pettitt, Leslie E., and Peasey. 2,882,801.
- Peaslee, Alexander L. Tooth brush cover. 2,910,172, 10-27-59, Cl. 206-15.1.
- Peaslee, Lawrence R., and M. Rosenblatt, to General Electric Co. Selsyn exciter for position programming control system. 2,894,253, 7-7-59, Cl. 340-345.
- Peat, James, to Union Railroad Co. Canopied vehicle. 2,877,722, 3-17-59, Cl. 103-377.
- Peat, James, to Cardwell Westinghouse Co. Dust-guard assembly. 2,893,761, 7-7-59, Cl. 286-6.
- Peavey, F. H., & Co.: See—
- Connell, Lawrence H., and Moe. 2,898,431.
- Pebbley, Verner H. Method of repairing a basement wall. 2,898,759, 8-11-59, Cl. 72-126.
- Pebbley, Verner H. Apparatus for repairing basement wall. 2,898,760, 8-11-59, Cl. 72-128.
- Peburn, Frank A., to Style Footwear Co., Inc. Apparatus for applying wrappers to shoe soles. 2,896,230, 7-28-59, Cl. 12-1.
- Pech, Allison E., to Food Machinery and Chemical Corp. Method of preparing evaporated milk and like products for preservation in sealed containers. 2,892,723, 6-30-59, Cl. 99-212.
- Pechenik, Jack: See—
- Bakke, Laurence D., and Pechenik. 2,902,022.
- Pechiney, Compagnie de Produits Chimiques et Electro-metallurgiques: See—
- Cartoux, Henri. 2,899,477.
- Cartoux, Henri, and Freyssinet. 2,888,156.
- Frejacques, Jean L. M. 2,904,393.
- Hutter, Jean-Claude. 2,899,276.
- Lacroix, Seraphin. 2,919,159.
- Pingard, Lucien. 2,881,031.
- Pruvot, Emile J. B. 2,874,039.
- Pruvot, Emile J. B. 2,915,441.
- Saussoil, Fernand. 2,915,365.
- Seon, Marius, Wettroff, and Lelen. 2,871,247.
- Tertian, Robert, and Papee. 2,876,068.
- Pechmeze, Jacques: See—
- Bilger, Xavier, and Pechmeze. 2,904,572.
- Pechukas, Alphonse, to Columbia-Southern Chemical Corp. Production of titanium esters. 2,883,348, 4-21-59, Cl. 260-2.
- Pechukas, Alphonse, to Columbia-Southern Chemical Corp. Vulcanized rubber-silica compositions. 2,914,503, 11-24-59, Cl. 260-41.5.
- Pechy, William, to American Can Co. Machine for packing articles into carriers. 2,883,812, 4-28-59, Cl. 53-164.
- Peck, Carl M., to Gulf Oil Corp. Extreme pressure lubricant. 2,895,912, 7-21-59, Cl. 258-18.
- Peck, Cecil C., to Cecil C. Peck Co. Shoe lace. 2,914,830, 12-1-59, Cl. 24-120.
- Peck, Cecil C., to Cecil C. Peck Co. Wire feeding means. 2,915,171, 12-1-59, Cl. 203-227.
- Peck, Cecil C., Co.: See—
- Peck, Cecil C. 2,914,830.
- Peck, Cecil C. 2,915,171.
- Peck, David B., to Sprague Electric Co. Ferroelectric transducer. 2,872,600, 2-3-59, Cl. 310-8.7.
- Peck, David B., to Sprague Electric Co. Electrical capacitors. 2,887,649, 5-19-59, Cl. 317-260.
- Peck, David B., to Sprague Electric Co. Solder composition and method of soldering using same. 2,887,772, 5-26-59, Cl. 29-496.
- Peck, David B., and R. J. Lockhart, to Sprague Electric Co. Molded polystyrene capacitor. 2,887,634, 5-19-59, Cl. 317-258.
- Peck, David W.: See—
- Anderson, John R., and Peck. 2,916,496.
- Lampert, Bernard B., Murray, and Peck. 2,910,518.
- Peck, Edward. Safety razor with tiltable safety guard. 2,915,817, 12-8-59, Cl. 30-48.
- Peck, George, to Scovill Mfg. Co. Sewing machine attachment. 2,872,884, 2-10-59, Cl. 112-2.
- Peck, George R., 1/4 to L. W. Wolford, Sr., and 1/4 to D. C. Harper. Rust proofing process. 2,899,336, 8-11-59, Cl. 117-49.
- Peck, Harry: See—
- Edwards, Albert, and Peck. 2,909,369.
- Edwards, Albert, and Peck. 2,912,928.
- Peck, Helen M.: See—
- Peck, Robert L. 2,891,987.
- Peck, Maxine D., to Crescent Corset Co., Inc. Panty girdle. 2,908,277, 10-13-59, Cl. 128-525.
- Peck, Ralph. Shaving guide for trimming sideburns. 2,879,778, 3-31-59, Cl. 132-45.
- Peck, Ralph. Floating lantern support. 2,917,755, 12-22-59, Cl. 9-8.3.
- Peck, Robert L., deceased, by H. M. Peck, administratrix, to Merck & Co., Inc.  $\alpha$ -amino- $\beta$ -aminoxipropionic acid and derivatives thereof. 2,891,987, 6-23-59, Cl. 260-482.
- Peck, Rudolph, and M. N. Rich. Clamp with interchangeable pressure pad. 2,894,548, 7-14-59, Cl. 144-303.
- Peck, William H., to American-Marletta Co. Mechanism for straightening rods. 2,891,597, 6-23-59, Cl. 153-48.
- Peck, William H., 4/900 to W. H. Peck, Jr. Journal bearings. 2,912,264, 11-10-59, Cl. 286-7.

- Peck, William H., Jr.: See—
- Peck, William H. 2,912,264.
- Peckham, Arthur C. Orthopedic spinal brace. 2,871,850, 2-3-59, Cl. 128-78.
- Peckham, Vernon D.: See—
- Carr, Barney J., and Peckham. 2,891,155.
- Pecorara, Nat. Barber's brush. 2,903,728, 9-15-59, Cl. 15-131.1.
- Pecquet, Tesson & Cie: See—
- Tesson, Pierre. 2,901,591.
- Pedar Ltd.: See—
- Ramén, Torsten. 2,888,982.
- Peddick, Haskell J.: See—
- Krumel, William C., Strain, and Peddicord. 2,877,185.
- Peden, Douglas T., to Micromatic Hone Corp. Diagonal stone honing tool. 2,911,768, 11-10-59, Cl. 51-184.1.
- Pedersen, Charles J., to E. I. du Pont de Nemours and Co. Process for burning gaseous fuels. 2,867,516, 1-6-59, Cl. 48-197.
- Pedersen, Charles J., to E. I. du Pont de Nemours and Co. Processes for producing photographic images and elements therefor. 2,915,892, 12-1-59, Cl. 96-27.
- Pedersen, Charles J., and V. Weinmayer, to E. I. du Pont de Nemours and Co. Dicyclopentadienyliron derivatives. 2,875,223, 2-24-59, Cl. 260-439.
- Pedersen, Clarence S., to Duraplastics, Inc. Composite tie rack. 2,914,182, 11-24-59, Cl. 211-13.
- Pedersen, George H., to Curtiss-Wright Corp. Apparatus for increasing compressor pressure ratios in a gas turbine engine. 2,885,856, 5-12-59, Cl. 60-39.25.
- Pedersen, Hans: See—
- Dahle, Orvar, and B., and Pedersen. 2,879,394.
- Pedersen, Ragnar K. Portable reciprocating power saw. 2,868,248, 1-13-59, Cl. 143-68.
- Pederson, Clarence L. Rim resizing tool. 2,871,812, 2-3-59, Cl. 113-99.
- Pederson, Helmer T., to Bill Jack Scientific Instrument Co. Electronic flasher system. 2,916,670, 12-8-59, Cl. 315-209.
- Pederson, Raymond L.: See—
- Campbell, J. Allan, Pederson, Babcock, and Hogg. 2,877,240.
- Pederson, Raymond L., M. E. Herr, J. C. Babcock, J. A. Campbell, and J. A. Hogg, to The Upjohn Co. 6-fluoro androstenes. 2,867,630, 1-6-59, Cl. 260-397.3.
- Pedrick, Donald R., to Hamilton Watch Co. Gauge attachment. 2,888,751, 6-2-59, Cl. 33-178.
- Pedrick, Irene P., to Sellers Injector Corp. Jet cleaner. 2,916,268, 12-8-59, Cl. 261-18.
- Pedrick, Robert E., to General Dynamics Corp. Telephone system trunk circuit. 2,915,591, 12-1-59, Cl. 179-27.
- Pedrick Tool and Machine Co.: See—
- Shaw, Ralph M., Jr. 2,884,987.
- Peobles, David D., to Foremost Dairies, Inc. Coffee product and method of manufacture. 2,897,084, 7-28-59, Cl. 99-71.
- Peobles, David D., to Dalry Foods Inc. Milk manufacturing method and product. 2,911,300, 11-3-59, Cl. 99-56.
- Peobles, Edgar G. Drift indicator. 2,901,835, 9-1-59, Cl. 33-205.3.
- Peobles, Robert D. and R. E. Automatic automobile brake. 2,877,880, 3-17-59, Cl. 192-3.
- Peobles, Robert E.: See—
- Peobles, Robert D. and R. E. 2,877,880.
- Peck, Henry L., to Allis-Chalmers Mfg. Co. Undervoltage tripping device for circuit breakers. 2,904,730, 9-15-59, Cl. 317-199.
- Peck, Robert L., Jr., to Bell Telephone Laboratories, Inc. Electromagnetic relay. 2,877,316, 3-10-59, Cl. 200-87.
- Peck, Robert L., Jr., to Bell Telephone Laboratories, Inc. Circuit controlling device. 2,898,422, 8-4-59, Cl. 200-93.
- Peck, Robert L., Jr., to Bell Telephone Laboratories, Inc. Laminated core dry reed relay. 2,902,558, 9-1-59, Cl. 200-87.
- Peck, Robert L., Jr., to Bell Telephone Laboratories, Inc. Electrophonic transmitter. 2,907,824, 10-6-59, Cl. 178-18.
- Peck, Sanford C., Jr., to Sylvania Electric Products Inc. Incandescent lamp. 2,904,711, 9-15-59, Cl. 313-45.
- Peel, Robert, to Fidelity Machine Co., Inc. Jack selection mechanism for circular knitting machines. 2,872,796, 2-10-59, Cl. 66-50.
- Peeler, Cletus E., Jr.: See—
- Henda, Frank P., and Peeler. 2,905,563.
- Peeler, Cletus E., Jr., to Diamond Alkali Co. Chemical composition and process. 2,909,412, 10-20-59, Cl. 23-230.
- Peelers Co., The: See—
- Lapeyre, Fernand S., and J. M. 2,868,014.
- Lapeyre, Fernand S., and J. M., and Demarest. 2,886,844.
- Lapeyre, James M. 2,888,709.
- Peepas, James Z., and B. Zimmerman; said Peepas assor. to Selecto-Flash, Inc. Flasher control circuit. 2,918,607, 12-22-59, Cl. 315-163.
- Peeples, Robert M., and K. Miskinis, to Allis-Chalmers Mfg. Co. Plugging control system. 2,904,737, 9-15-59, Cl. 318-261.
- Peeps, Donald J., to The De Vilbiss Co. Coating material pump. 2,895,421, 7-21-59, Cl. 103-50.
- Peeps, Donald J., to The De Vilbiss Co. Spray nozzle. 2,895,685, 7-21-59, Cl. 239-400.
- Peeps, Donald J., to The De Vilbiss Co. Spray gun. 2,895,686, 7-21-59, Cl. 239-412.
- Peeps, Donald J., to The De Vilbiss Co. Automatic coating apparatus. 2,900,950, 8-25-59, Cl. 118-2.
- Peeps, Donald J., to The De Vilbiss Co. Spray gun. 2,904,262, 9-15-59, Cl. 239-408.
- Peeps, Donald J., and J. B. Schmitt, to The De Vilbiss Co. Air flow control valve. 2,905,198, 9-22-59, Cl. 137-627.5.
- Peerless Cement Corp.: See—
- Palonen, Carl V., and Kaiser. 2,871,133.
- Peerless Electric Co.: See—
- Dameral, Ray C. 2,887,567.
- Peerless Equipment Co.: See—
- Dudley, Edmond R., and Quast. 2,873,018.
- Peerless Gage Co.: See—
- Powers, Max L. 2,879,602.
- Peerless Mfg. Division, Dover Corp.: See—
- Andriot, George W., and Riester. 2,888,226.
- Peerless Oil and Gas Co.: See—
- Chapman, Edward P., Jr., and Wood. 2,904,424.
- Peerless Sewing Machine Co., Inc.: See—
- Chinnick, Michael A. 2,893,336.
- Peerman, Dwight E., to General Mills, Inc. Composition containing an alkyl resin and a polyamide resin derived from polymeric fat acids and an alkylene polyamine. 2,889,292, 6-2-59, Cl. 260-22.
- Peerman, Dwight E., and D. E. Floyd, to General Mills, Inc. Polyamide resin process and product. 2,881,194, 4-7-59, Cl. 260-404.5.
- Peerman, Dwight E., and H. Wittcoff, to General Mills, Inc. Polyamide resin. 2,886,543, 5-12-59, Cl. 260-18.
- Peerman, Dwight E., and D. E. Floyd, to General Mills, Inc. Compositions containing amino polyamides and heat reactive phenolic resins. 2,891,023, 6-16-59, Cl. 260-19.
- Peery, Norman E., to Shell Development Co. Hydrodesulfurization of hydrocarbon oils. 2,901,422, 8-25-59, Cl. 208-213.
- Peet, Charles S.: See—
- Shilliday, Theodore S., Peet, and Middleton. 2,887,633.
- Peet, Nick P.: See—
- Andrews, Jack M., Cornell, Peet, and Roquemore. 2,881,129.
- Heinrich, Raymond L., Anderson, and Peet. 2,916,366.
- Peet, Nick P., to Esso Research and Engineering Co. Removal of metal contaminants from residual oils. 2,895,902, 7-21-59, Cl. 208-73.
- Peet, Nick P., to Esso Research and Engineering Co. Production of methanol. 2,904,575, 9-15-59, Cl. 260-449.5.
- Peet, Robert B., to Chemical Construction Corp. Anhydrite process for phosphoric acid manufacture. 2,885,263, 5-5-59, Cl. 23-165.
- Peet, Robert B., to Chemical Construction Corp. Hemihydrate process for phosphoric acid manufacture. 2,885,264, 5-5-59, Cl. 23-165.
- Peffer, Alrid B., Jr., to Imperial Machine Co., Inc. Apparatus for spray-greasing baking pans. 2,912,169, 11-10-59, Cl. 239-124.
- Peglers Ltd.: See—
- Brown, Harry, and McPherson. 2,893,421.
- Peglow, Walter, to Waste King Corp. Dishwasher with vibration-preventing motor and impeller mount. 2,880,740, 4-7-59, Cl. 134-188.
- Peglow, Walter, to Waste King Corp. Dishrack supporting structure for dishwasher. 2,918,341, 12-22-59, Cl. 312-311.
- Peguet, Georges H., and A. Guyennon. Shaft packings. 2,877,029, 3-10-59, Cl. 286-11.15.
- Peifer, Albert G.: See—
- Bryant, John H., Peifer, and Wilmarth. 2,894,227.
- Pell, William: See—
- Hussey, Luther W., and Pell. 2,887,619.
- Pellet, Lester R.: See—
- Kaye, Philip, and Tate. 2,883,692.
- Kaye, Philip, and Tate. 2,888,698.
- Kaye, Philip, and Tate. 2,908,928.
- Pellet, Lester R., P. Kaye, and E. E. Tate; said Kaye and said Tate assors. to said Pellet. Double-acting self-cleaning retractable brush. 2,916,756, 12-15-59, Cl. 15-184.
- Pellet, Lester R., P. Kaye, and E. E. Tate; said Kaye and said Tate assors. to said Pellet. Bellows brush. 2,916,757, 12-15-59, Cl. 15-184.
- Pelmer, Stanley. Folding box. 2,903,175, 9-8-59, Cl. 229-17.
- Pelrice, Charles P.: See—
- Wehmer, Bruno F. 2,899,506.
- Pelrice, George A.: See—
- Harbaugh, Max L., and Pelrice. 2,880,064.
- Pelrice, Thomas H. Motor mounting. 2,880,947, 4-7-59, Cl. 248-9.
- Pelschl, Franz: See—
- Kaden, Willy, and Pelschl. 2,880,661.
- Pekar, George H., and A. S. Osborn, to United States of America, Air Force. High speed printer. 2,893,313, 7-7-59, Cl. 101-93.
- Pekarek, Edward G., to Thompson Ramo Wooldridge, Inc. Fluid directing member. 2,888,244, 5-26-59, Cl. 253-77.
- Pekarek, Frank, to Nylong Corp. Apparatus for producing fiber reinforced sponge sheeting. 2,899,704, 8-18-59, Cl. 18-1.
- Peklay, William P., to Electric Steel Foundry, now by change of name to Electric Steel Foundry Co. Tooth assembly. 2,896,345, 7-28-59, Cl. 37-142.



- Pelak, Andrew, to Curtiss-Wright Corp. Mixing and discharging apparatus. 2,895,645, 7-21-59, Cl. 222-162.
- Pelander, Carl E., to United States of America, Army. Tool shaping machine. 2,914,993, 12-1-59, Cl. 90-24.3.
- Pelavin, Milton H., to Technicon International Ltd. Automatic immersion apparatus. 2,869,508, 1-20-59, Cl. 118-10.
- Pelavin, Milton H., to Technicon Chromatography Corp. Drop volume measuring apparatus. 2,880,764, 4-7-59, Cl. 141-130.
- Pelcak, Emil J., and A. C. Dornbush, to American Cyanamid Co. Process water treatment. 2,906,595, 9-29-59, Cl. 21-2.7.
- Pelcin, Albert L., to The Eastern Malleable Iron Co. Latch device. 2,900,204, 8-18-59, Cl. 292-173.
- Pelenc, Yves: See—  
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- Pelenc, Yves, to Ets. Merlin & Gerin. Electrical circuit breakers. 2,909,632, 10-20-59, Cl. 200-147.
- Peles, Joseph. Bird feeding tray. 2,891,507, 6-23-59, Cl. 119-18.
- Pelikan, Louis: See—  
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- Pellino, William M.: See—  
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- Leeds, Charles M., Hoff, Pelino, and Johannesen. 2,883,647.
- Pellizzari, Charles A.: See—  
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- Pell, Eric, to Cutler-Hammer, Inc. Control system for electric reel motors. 2,874,917, 2-24-59, Cl. 242-75.51.
- Pell, Eric, and C. E. Smith, to Cutler-Hammer, Inc. Alternating current control system utilizing saturable reactor for regulation. 2,885,628, 5-5-59, Cl. 323-66.
- Pelladeau, Maurice, 1/2 to Standard Research Consultants, Inc. Rotary engines. 2,879,713, 3-31-59, Cl. 103-125.
- Pelladeau, Maurice, 1/2 to Standard Research Consultants, Inc. Device usable as a torque variator, pump, compressor, meter, motor, turbine, clutch and brake. 2,901,978, 9-1-59, Cl. 103-125.
- Pelladeau, Maurice, 1/2 to Standard Research Consultants, Inc. Rotary pumps. 2,902,942, 9-8-59, Cl. 103-121.
- Pellam, John R.: See—  
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- Pellar, Fred: See—  
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- Pelle, James S., to Sperry Rand Corp. Method of manufacturing a microwave attenuator for travelling wave tube. 2,880,120, 3-31-59, Cl. 117-226.
- Pellegrin, Elmer D., to Dixie Products, Inc. Fold-away cooking unit. 2,879,760, 3-31-59, Cl. 126-37.
- Pellegrini, John P., Jr.: See—  
Fareri, Elizabeth L., and Pellegrini. 2,899,459.
- Pellegrini, John P., Jr., and H. I. Thayer, to Gulf Research & Development Co. Motor fuel. 2,897,068, 7-28-59, Cl. 44-56.
- Peller, Henry A., to General Motors Corp. Adjustable seat. 2,893,470, 7-7-59, Cl. 135-9.
- Peller, Henry A., to General Motors Corp. Vehicle seats. 2,894,562, 7-14-59, Cl. 155-51.
- Pellerin, Norvin L., and F. X. Levy, said Levy assor. to said Pellerin. Control system. 2,874,714, 2-24-59, Cl. 137-93.
- Pelletier, Albert L. G., to Comptoir de l'Industrie Cotonnière, Etablissements Bousnac. Installations particular for the winding of a sheet of textile threads. 2,898,529, 8-4-59, Cl. 318-7.
- Pelletier, Joseph A., to Allen-Crawford Ltd. Process for producing candies with inset designs. 2,874,649, 2-24-59, Cl. 107-54.
- Pellier, Christian V., to Burndy Corp. Method of making a spacer. 2,885,776, 5-12-59, Cl. 29-417.
- Pellillo, Mansueto J. Seismometers. 2,906,994, 9-29-59, Cl. 340-17.
- Pellis, Giovanni. Dobby for weaving looms with positive movement with one or two cylinders for cards. 2,904,078, 9-15-59, Cl. 139-77.
- Pellmyr, Bengt, and S. W. Wallin, to Aktiebolaget Svenska Flakfabriken. Static pressure regulator. 2,888,948, 6-2-59, Cl. 137-505.22.
- Pelphrey, Harry, to Michigan Tool Co. Roll for forming toothed elements. 2,906,147, 9-29-59, Cl. 80-23.
- Pelto, Edward A. Power operated end thrust type rotary shaper planer. 2,915,095, 12-1-59, Cl. 144-134.
- Peltola, Veikko K., to Illinois Testing Laboratories, Inc. Magnetic restoring force suspension galvanometer. 2,871,449, 1-27-59, Cl. 324-154.
- Pelton & Crane Co., The: See—  
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- Pelton, Earl L.: See—  
Fookes, James H., Pelton, and Long. 2,885,444.
- Pelton, Jay C., Jr.: See—  
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- Peluso, Alphonse M. Trigger lock. 2,893,152, 7-7-59, Cl. 42-70.
- Pels, Hans. Device for weighing batches of a granular material. 2,919,099, 12-29-59, Cl. 249-15.
- Pels, Robert A.: See—  
Spaulding, Charles W., and Pels. 2,883,487.
- Pelz, Willibald, L. Burgardt, and O. Wahl, to AGFA Akt. Production of photographic colour images with heterocyclic developers. 2,895,825, 7-21-59, Cl. 96-55.
- Pelzel, Erich, to Vereinigte Österreichische Eisen- und Stahlwerke Akt. Process for heat-treating a bearing alloy. 2,900,288, 8-18-59, Cl. 148-13.
- Pelzer, Harold H., and S. G. Thompson, said Pelzer assor. to said Thompson. Motor-operated meat block scraper. 2,885,701, 5-12-59, Cl. 15-93.
- Pelzer, Harry L., and R. M. Carr, to Sinclair Oil & Gas Co. Combustion in well with steel liner. 2,877,847, 3-17-59, Cl. 166-39.
- Pemberton, Anderson T. Fishing line guide. 2,880,546, 4-7-59, Cl. 43-24.
- Pemberton, Wilbur B. Cultivating machine. 2,905,257, 9-22-59, Cl. 172-620.
- Pemco Corp.: See—  
Plumer, Joseph B. 2,918,754.
- Pemco Wheel Co.: See—  
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- Pen Optical & Instrument Co.: See—  
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- Barthelemy, Pierre, Penasse, and Nomine. 2,879,204.
- Hagemann, Guy, Penasse, and Telfon. 2,885,433.
- Penberthy Electromelt Co.: See—  
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- Penberthy, Harvey L. Method and apparatus for glass production. Re. 24,625, 3-31-59, Cl. 13-6.
- Penberthy, Harvey L. Dosimeter. 2,916,625, 12-8-59, Cl. 250-83.
- Penberthy, Harvey L., K. P. Hernley, and H. W. Lohman; said Hernley and said Lohman assors. to Penberthy Electromelt Co. Glass homogenizer. 2,893,708, 7-7-59, Cl. 259-43.
- Pence, William R. Anti-swing cleat. 2,879,018, 3-24-59, Cl. 248-28.
- Pendell, Paul R.: See—  
Baus, Richard E., Fisher, and Pendell. 2,911,367.
- Pendergast, Raymond F. Sanding machine. 2,876,600, 3-10-59, Cl. 51-139.
- Pendleton, Donn W.: See—  
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- Pendleton, Frank P.: See—  
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- Glasby, Jonathan P., Jr., Palmer, and Pendleton. 2,913,120.
- Pendleton Tool Industries, Inc.: See—  
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- Van Hoose, William E. 2,900,855.
- Pendley, Ralph L.: See—  
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- Penfield, Charles S.: See—  
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- Pengelley, Charles D.: See—  
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- Penick, Joe E., to Socony Mobil Oil Co., Inc. Method and apparatus for treating liquid hydrocarbons with moving adsorbents. 2,904,506, 9-15-59, Cl. 208-310.
- Penick, S. B., & Co., Inc.: See—  
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- Starr, Donald F., and Calsetta. 2,884,356.
- Penland, Lemuel R., L. L. Best, and C. J. Peachey. Web wind-up machine. 2,903,195, 9-8-59, Cl. 242-67.2.
- Penland, William Z., Jr. Line support. 2,899,173, 8-11-59, Cl. 256-10.
- Penley, Benjamin S.: See—  
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- Pen-Mac-Nye Co.: See—  
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- Penman, Arthur W., to Wilson Plastic Container Corp. Card for displaying merchandise. 2,903,139, 9-8-59, Cl. 211-60.
- Penman, Montgomery B., to The Magee Carpet Co. Multiple needle tufting machines. 2,898,876, 8-11-59, Cl. 112-79.
- Penn, Alexander, to John Wilkins & Co. Ltd. Bracket or the like clamps. 2,896,898, 7-28-59, Cl. 248-245.
- Penn Controls, Inc.: See—  
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- Kreuter, Kenneth G. 2,870,965.
- McDonald, Lyell J. 2,878,355.
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- Penney, Gaylord W. Electrostatic precipitator. 2,875,845, 3-3-59, Cl. 183-7.
- Penney, James H., and J. B. Wren, to Westinghouse Electric Corp. Motor clutch and brake mechanism. 2,878,911, 3-24-59, Cl. 192-18.
- Penning, Douglas E., to Struthers Wells Corp. Boiler. 2,904,015, 9-15-59, Cl. 122-149.
- Pennington, Edward N., to Phillips Petroleum Co. Purification of vinylpyridines. 2,879,272, 3-24-59, Cl. 260-290.
- Pennington, Edward N., L. W. Pollock, J. Q. Wood, A. J. Andrews, and L. D. Boyer, to Phillips Petroleum Co. Safety system for combustion process. 2,883,271, 4-21-59, Cl. 23-259.5.
- Pennington, Robt. V.: See—  
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- Pennington, William J.: See—  
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- Pennock, John C., to Tracerlab, Inc. Radiography source. 2,870,341, 1-20-59, Cl. 250-106.
- Pennow, Willis A., to United States of America, Navy. Gasous electric discharge lamp. 2,900,552, 8-18-59, Cl. 313-220.
- Pennoyer, Robert T., to General Electric Co. Getter assembly. 2,913,102, 11-17-59, Cl. 206-56.
- Pennsalt Chemicals Corp.: See—  
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- Penrice, Thomas W., to Production Tool Alloy Co. Ltd. Production of shaped articles from powders using lyophilic gel molds. 2,893,062, 7-7-59, Cl. 18-59.5.
- Penrod, Kenneth E., and D. M. Clark, to United States of America, Air Force. Helmet seal. 2,888,011, 5-26-59, Cl. 128-143.
- Penrose, James R., to Pirelli-General Cable Works Ltd. Metal tubes or metal sheaths of electric cables. 2,870,792, 1-27-59, Cl. 138-50.
- Pensack, Joseph M.: See—  
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- Pensotti, Ambrogio. Apparatus for wet-treating threads, particularly viscose rayon threads. 2,892,336, 6-30-59, Cl. 68-19.
- Penta Inc.: See—  
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- Penta Laboratories, Inc.: See—  
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- Pentecost, Paul S. Infant anesthetic machine. 2,891,542, 6-23-59, Cl. 128-188.
- Pentico, George W. A., and J. W. Rieke; said Pentico assor. to Western Electric Co., Inc.; and said Rieke assor. to Bell Telephone Laboratories, Inc. Pulse generator. 2,878,381, 3-17-59, Cl. 250-27.
- Pentz, Ruth M., to The Welsbach Corp. Ozone production of diphenic acid. 2,872,480, 2-3-59, Cl. 260-523.
- Peoples, Samuel R., to Boeing Airplane Co. Electrical control circuits. 2,912,634, 11-10-59, Cl. 321-5.
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- Peptone, Vincent, and W. Luczek, to Package Machinery Co. Mechanism for encircling an article in a wrapper. 2,911,777, 11-10-59, Cl. 53-228.
- Pepin, Stephen C.: See—  
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- Pepperberg, Louis E., to Motorola, Inc. Radio receiver. 2,873,361, 2-10-59, Cl. 250-20.
- Peppercorn, Howard J.: See—  
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- Pera, John D.: See—  
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- Pera, John D., to Buckman Laboratories, Inc. Processes for the control of slime-forming and other microorganisms and compositions for use therefor. 2,881,070, 4-7-59, Cl. 92-3.
- Pera, William. Photographic multimeter. 2,892,978, 6-30-59, Cl. 324-73.
- Peras, Lucien, to Regie Nationale des Usines Renault. Driving mechanism for auxiliary apparatuses. 2,867,080, 1-6-59, Cl. 60-13.
- Peras, Lucien, to Regie Nationale des Usines Renault. Methods of regulating power output in internal combustion engines. 2,867,198, 1-6-59, Cl. 123-139.
- Peras, Lucien, to Regie Nationale des Usines Renault, and R. Petignani. Safety seat for motor vehicles. 2,873,122, 2-10-59, Cl. 280-29.
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- Peras, Lucien, to Regie Nationale des Usines Renault. Packing ring. 2,889,183, 6-2-59, Cl. 309-33.
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- Peras, Lucien, to Regie Nationale des Usines Renault. Heat-resistant alloys. 2,895,822, 7-21-59, Cl. 75-204.
- Peras, Lucien, to Regie Nationale des Usines Renault. Process for the manufacture of piston rings. 2,895,859, 7-21-59, Cl. 148-3.
- Peras, Lucien, to Regie Nationale des Usines Renault. Pressure chill-castings of iron. 2,895,860, 7-21-59, Cl. 148-3.
- Peras, Lucien, to Regie Nationale des Usines Renault. Cast iron heat treatment. 2,899,346, 8-11-59, Cl. 148-218.
- Peras, Lucien, to Regie Nationale des Usines Renault. Volumetric diaphragm pumps for gasoline injection. 2,900,916, 8-25-59, Cl. 103-38.
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- Peras, Lucien, to Regie Nationale des Usines Renault. Differential pneumatic hoist. 2,906,248, 9-29-59, Cl. 121-46.
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- Peras, Lucien, to Regie Nationale des Usines Renault. Process for the manufacture of low tension sparking plugs. 2,906,907, 9-29-59, Cl. 313-131.
- Peras, Lucien, to Regie Nationale des Usines Renault. Mounting arrangement for vehicle sun shades. 2,908,517, 10-13-59, Cl. 287-20.3.



- Peras, Lucien, to Regie Nationale des Usines Renault. Process of producing sintered tungsten electrodes. 2,908,569, 10-13-59, Cl. 75-207.
- Peras, Lucien, to Regie Nationale des Usines Renault. Automatic control device for gearboxes. 2,910,884, 11-3-59, Cl. 74-472.
- Peras, Lucien, to Regie Nationale des Usines Renault. Reversing device for vehicles with torque converter-transmission. 2,910,893, 11-3-59, Cl. 74-792.
- Peras, Lucien, to Regie Nationale des Usines Renault. Reciprocal suspension system with hydraulic transmission. 2,911,230, 11-3-59, Cl. 280-104.
- Peras, Lucien, to Regie Nationale des Usines Renault. Double-acting pneumatic jack. 2,911,952, 11-10-59, Cl. 121-38.
- Peras, Lucien, to Regie Nationale des Usines Renault. Safety braking apparatus for road tractors and towing lorries. 2,912,067, 11-10-59, Cl. 188-3.
- Peras, Lucien, to Regie Nationale des Usines Renault. Automatic handling device. 2,912,125, 11-10-59, Cl. 214-1.
- Peras, Lucien J., to Regie Nationale des Usines Renault. Vehicle seats. 2,903,044, 9-8-59, Cl. 155-9.
- Perella, John: See—
- Angelaccio, Americo, Perella, and Petrucci. 2,903,000.
- Percival, William C., to E. I. du Pont de Nemours and Co. Process for separating vinylidene fluoride from vinyl fluoride. 2,917,556, 12-15-59, Cl. 260-653.3.
- Percival, William S., to Electric & Musical Industries Ltd. Electron discharge valve. 2,900,567, 8-18-59, Cl. 315-39.
- Percy, Richard P.: See—
- Mitchell, William H., and Percy. 2,900,539.
- Percy, Sheldon C., to Rayplate Corp. Press member. 2,887,798, 5-26-59, Cl. 38-66.
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- Perdue, Frederick S. Sectional trailer house. 2,893,066, 7-7-59, Cl. 20-2.
- Perdue, Jack, to Electro-Hydraulics Ltd. Retractable aircraft landing gear. 2,896,884, 7-28-59, Cl. 244-102.
- Perdue, Richard R.: See—
- Dreyfus, Robert L., Howe, and Perdue. 2,904,943.
- Perech, Ramon. New method of producing water soluble coffee concentrate. 2,872,323, 2-3-59, Cl. 99-71.
- Pereira, Alfred R. Bulldozer blade tilting device. 2,869,256, 1-20-59, Cl. 37-144.
- Perez, Alicia F. Multi-unit drive pulley. 2,887,891, 5-26-59, Cl. 74-230.3.
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- Perez, Horacio E. Ignition brake lock. 2,869,581, 1-20-59, Cl. 137-598.
- Perez, John B. Garbage can with bumper ring. 2,877,923, 3-17-59, Cl. 220-69.
- Perez, John B. Industrial garbage can. 2,907,486, 10-6-59, Cl. 220-4.
- Perez, Jose B. Cork extractor. 2,895,357, 7-21-59, Cl. 81-334.
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- Roura, Carmen S., and Perez. 2,898,918.
- Perez, William. Thermal heating device. 2,918,561, 12-22-59, Cl. 219-41.
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- Brenneke, Arthur M. 2,878,799.
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- Perfex-Gage and Tool Co.: See—
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- Pergande, Hermann, to E. Hofmann. Screwless electric connector. 2,906,989, 9-29-59, Cl. 339-105.
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- Heymes, Pierre R., and Pergent. 2,909,871.
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- Coates, Vincent J., and Scott. 2,900,866.
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- Scott, Larkin B., and Losch. 2,903,893.
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- Sebens, Carl R. 2,904,686.
- Sobkov, Harold, and Borden. 2,904,687.
- Perkins, Albert G., to Perkins Pipe Linings, Inc. Pipe lining apparatus. 2,897,779, 8-4-59, Cl. 118-306.
- Perkins, Alfred J., to Perkins Pipe Linings, Inc. Pipe lining apparatus. 2,892,444, 6-30-59, Cl. 118-306.
- Perkins, B. F., & Son, Inc.: See—
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- Perkins, Charles M.: See—
- Backus, Thomas, and Perkins. 2,892,358.
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- Perkins, Denis G., to Electric & Musical Industries Ltd. Arrangements embodying pick-up tubes. 2,875,371, 2-24-59, Cl. 315-11.
- Perkins, Donald C.: See—
- Estes, Elliott M., and Perkins. 2,916,325.
- Perkins, Fred D., Jr., and R. M. Ingham, Jr., to Deering Milliken Research Corp. Continuous cutter. 2,890,751, 6-16-59, Cl. 164-60.
- Perkins, Frederick L., to Willcox & Gibbs Sewing Machine Co. Means for securing a band loop to an article. 2,885,979, 5-12-59, Cl. 112-3.
- Perkins, Frederick M., Jr.: See—
- Graham, John W., Perkins, Prokop, and Salathiel. 2,873,423.
- Perkins, Gerald E.: See—
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- Perkins, Glen E., and G. W. Dale. Movable carriage for mobile vehicles. 2,869,931, 1-20-59, Cl. 305-4.
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- Perkins, Harley A., Jr.: See—
- Emery, Frederic P., and Perkins. 2,909,779.
- Perkins, Harley A., Jr., to Westinghouse Electric Corp. Magnetic amplifier system. 2,871,442, 1-27-59, Cl. 323-89.
- Perkins, Harley A., Jr., to Westinghouse Electric Corp. Memory elements for control systems. 2,888,577, 5-26-59, Cl. 307-88.
- Perkins, Joseph R., Jr.: See—
- Ely, Berton E., Jr., Grabill, and Perkins. 2,878,353.
- Perkins, Louis E., to Perkins Marine Lamp & Hardware Corp. Marine lamp. 2,908,807, 10-13-59, Cl. 240-7.5.
- Perkins, Loya B. Television antenna. 2,878,473, 3-17-59, Cl. 343-866.
- Perkins, Lyman D. Support for line trouble detecting means. 2,890,408, 6-9-59, Cl. 324-52.
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- Vigna, Cesare L., Perkins, and Leygonie. 2,875,556.
- Perkins Pipe Linings, Inc.: See—
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- Perkins, Ralph W., to General Motors Corp. Independent wheel suspension with caster and camber adjustment means. 2,890,062, 6-9-59, Cl. 280-90.2.
- Perkins, Roger A., and W. O. Binder, to Union Carbide Corp. Resistance to hot-cracking of chromium-nickel steel welds. 2,871,118, 1-27-59, Cl. 75-130.5.
- Perkins, William A. S. W. Grinnell, and C. F. Schadt, to United States of America. Army. Collection of airborne material by electrostatic precipitation. 2,868,318, 1-13-59, Cl. 183-7.
- Perkins, William C., J. R. Sherwood, and H. P. Jacobson, to Collins Radio Co. Frequency generating system. 2,886,708, 5-12-59, Cl. 250-36.
- Perl, Richard L.: See—
- Lantz, Ray F., Scott, Perl, and Clark. 2,911,810.
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- Perla, Martin R., and S. J. Ketterer, to The Singer Mfg. Co. Feed mechanisms for sewing machines. 2,906,220, 9-29-59, Cl. 112-215.
- Perlaki, Nandor, 15% to I. Varas. Stuffing-box assembly having a liquid seal. 2,883,214, 4-21-59, Cl. 286-19.
- Perle, Abe J., to Bendix Aviation Corp. Starter jaw release. 2,913,908, 11-24-59, Cl. 74-7.
- Perlin, Fred, to Elgen Mfg. Corp. Swivel mount and air guide device including the same. 2,884,848, 5-5-59, Cl. 98-110.
- Perlin, Fred, to Elgen Mfg. Corp. Air guide device. 2,884,956, 5-5-59, Cl. 138-30.
- Perlis, David B., to Western Precipitation Corp. Rolling wear band for filter element. 2,884,090, 4-28-59, Cl. 183-61.
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- Dutcher, James D., Donovick, Heuser, Pagano, and Perlman. 2,916,483.
- Dutcher, James D., Donovick, Heuser, Pagano, and Perlman. 2,916,484.
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- Fried, Josef, Thoma, Perlman, and Gerke. 2,879,277.
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- Perlman, David, to Olin Mathieson Chemical Corp. Preparation of new cobalamins. 2,872,443, 2-3-59, Cl. 260-211.5.
- Perlman, David, to Olin Mathieson Chemical Corp. New cobalamins. 2,872,444, 2-3-59, Cl. 260-211.5.
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- Perlman, David, to Olin Mathieson Chemical Corp. Preparation of 2-keto-l-gulonate by pseudomonas aeruginosa. 2,917,435, 12-15-59, Cl. 195-30.
- Perlman, Ely, to Mount Sinai Hospital Research Foundation, Inc. Ion-exchange purification of allergenic pollen component. 2,901,398, 8-25-59, Cl. 167-78.
- Perlman, Isadore: See—
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- Weissman, Sam I., Perlman, and Lipkin. 2,908,563.
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- Perlman, Sol, to United States of America. Air Force. Control of power delivery to electrical apparatus. 2,874,339, 2-17-59, Cl. 317-148.5.
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- Matchett, John C. 2,913,261.
- Perlmutter, Joseph G., to Hayden Mfg. Co. Corner plate. 2,886,388, 5-12-59, Cl. 311-114.
- Perlmutter, Samuel. Drapery hook support. 2,872,696, 2-10-59, Cl. 16-87.4.
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- Peroni, Carlo. Process for obtaining a velvet-like coating or covering material. 2,896,304, 7-28-59, Cl. 28-72.
- Perotte, Laurence F., to General Electric Co. Selenium cells. 2,903,631, 9-8-59, Cl. 317-241.
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- Perri, Frank B., to United Shoe Machinery Corp. Machines for forming heel reinforcing dowels. 2,880,777, 4-7-59, Cl. 153-1.
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- Perrill, Harlan K. Double hung door mounting, latching and opening means. 2,904,823, 9-22-59, Cl. 16-147.
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- Perrine, Sterling O., to The Wean Engineering Co. Inc. Apparatus for trimming strip. 2,872,980, 2-10-59, Cl. 164-60.
- Perrine, Warren L., to Librascope, Inc. Mechanical integrating apparatus. 2,873,911, 2-17-59, Cl. 235-61.
- Perrini, Americo E., and J. L. Gretz, to The R. F. Goodrich Co. Air filter. 2,888,095, 5-26-59, Cl. 183-45.
- Perrinjacquet, Roger, to Necchi Sewing Machine Sales Corp. Drop-head machine. 2,874,014, 2-17-59, Cl. 312-30.
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- Perrins, Allen R., to The Superior Electric Co. Transformer test circuit. 2,896,156, 7-21-59, Cl. 324-85.

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- Perrone, Ruben O. Simultaneous control mechanism for shutter forming laths. 2,903,257, 9-8-59, Cl. 268-96.
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- Perry, John A., F. B., and D. D. Automatic reversing mechanism for tractor-attached agricultural implements. 2,895,558, 7-21-59, Cl. 172-210.
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- Perry, Milton A., and A. G. Robinson III, to Eastman Kodak Co. Preparation of acrylic and substituted acrylic acid esters from saturated acid esters. 2,882,300, 4-14-59, Cl. 260-486.
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Petersen, John S., and R. H. Blecker, to Simmons Co. Head rest for reclining chair. 2,869,619, 1-20-59, Cl. 155-107.  
Petersen, John S., and R. H. Blecker, to Simmons Co. Adjustable head rest. 2,869,622, 1-20-59, Cl. 155-177.  
Petersen, Karl, J. Schlichtkrull, and K. Hallas-Möller, to Novo Terapeutisk Laboratorium A/S. Insulin crystal preparations and methods of producing them. 2,882,202, 4-14-59, Cl. 167-75.  
Petersen, Karl, J. Schlichtkrull, and K. Hallas-Möller, to Novo Terapeutisk Laboratorium A/S. Injectable insulin preparation with protracted effect. 2,882,203, 4-14-59, Cl. 167-75.  
Petersen, Loren N.: See—  
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Petersen, Louis, to F. L. Smidth & Co. Method and apparatus for cooling hot materials by gas. 2,905,395, 9-22-59, Cl. 241-23.  
Petersen, Louis, to F. L. Smidth & Co. Apparatus for cooling hot kiln gases. 2,911,061, 11-3-59, Cl. 183-13.  
Petersen, Louis, to F. L. Smidth & Co. Apparatus for cooling finely divided materials. 2,913,237, 11-17-59, Cl. 263-32.  
Petersen, Mauritz E. Satellite globe. 2,896,338, 7-28-59, Cl. 35-46.  
Petersen, Ove E., to Motorola, Inc. Burst control of color television receiver bandwidth. 2,910,528, 10-27-59, Cl. 178-5.4.  
Petersen, Ove E., to Motorola, Inc. Color television receiver with power law chroma amplifier. 2,914,605, 11-24-59, Cl. 178-5.4.  
Petersen, Paul S., to General Mills, Inc. Machine for mounting electrical component containers on circuit boards. 2,879,585, 8-31-59, Cl. 29-203.  
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Petersen, Siegfried, W. Gauss, and G. Domagk, to Schenley Industries, Inc. N-carboxylates of amino 1,4-quinones. 2,913,453, 11-17-59, Cl. 260-239.  
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Petersen, Thorvald K., and P. L. Smith, to Douglas Aircraft Co., Inc. Air cushion cargo handling system. 2,918,183, 12-22-59, Cl. 214-1.  
Petersen, Ulric K. Ventilator. 2,868,108, 1-13-59, Cl. 98-115.  
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Peterson, Arnold E. 2,880,011.  
Peterson, Adolphe C. Dual system propulsion means. 2,867,978, 1-13-59, Cl. 60-35.6.  
Peterson, Adolphe C. Auxiliary rotor air foil means. 2,868,302, 1-13-59, Cl. 170-135.4.  
Peterson, Adolphe C. Rotary airfoil and static wing aircraft. 2,886,260, 5-12-59, Cl. 244-7.  
Peterson, Adolphe C. Automotive air spring means. 2,894,742, 7-14-59, Cl. 267-65.  
Peterson, Adolphe C. Fluid brake means for vehicles. 2,910,146, 10-27-59, Cl. 188-92.  
Peterson, Albert, to The Columbia Mills, Inc. Frameless window closure construction. 2,895,989, 8-11-59, Cl. 160-329.  
Peterson, Albin K. Oscillatable separator means. 2,874,841, 2-24-59, Cl. 209-329.  
Peterson, Albin K., and L. J. Laterally foldable sponge type mop device. 2,892,201, 6-30-59, Cl. 15-119.  
Peterson, Anders A.: See—  
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Peterson, C. Lynn: See—  
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Peterson, Carl O., to Marlin-Rockwell Corp. Bearing seals. 2,917,328, 12-15-59, Cl. 286-5.  
Peterson, Charles D., to Universal Controls Corp. Method of making insulated coupling nuts for pipe unions. 2,904,800, 9-22-59, Cl. 10-86.  
Peterson, Charles L., to Western Electric Co., Inc. Heat treating furnace for filamentary products. 2,890,874, 6-16-59, Cl. 263-3.  
Peterson, Charles S., Jr., to Daystrom, Inc. Case for electrical instruments. 2,902,652, 9-1-59, Cl. 324-156.  
Peterson, Clarence J., and C. L., and R. J. Mattison, Jr., to Peterson Filters and Engineering Co. Rotary vacuum filter. 2,899,066, 8-11-59, Cl. 210-383.  
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Peterson, Clyde E. Combination grill guard and hitch. 2,880,016, 3-31-59, Cl. 280-491.  
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Peterson, Clarence N. 2,900,957.
- Peterson, Donald L.: See—  
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- Peterson, Donovan F., and A. C. Welch, to George Gorton Machine Co. Infinitely adjustable speed power drive units. 2,909,684, 10-20-59, Cl. 310-96.
- Peterson, Durey H.: See—  
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- Peterson, Earl C. Duct structure for pipes. 2,906,294, 9-29-59, Cl. 138-48.
- Peterson, Edward C., to Birdsboro Steel Foundry and Machine Co. Cooling bed. 2,907,236, 10-6-59, Cl. 80-42.
- Peterson, Edward G., to Bristol Industrial Equipment Co. Apparatus for coating sheets with lubricant for draw dies. 2,884,898, 5-5-59, Cl. 118-324.
- Peterson, Edward L., Jr., to International Business Machines Corp. Electric circuits including transistors. 2,878,398, 3-17-59, Cl. 307-88.5.
- Peterson, Edward S., to General Telephone Laboratories, Inc. Universal loudspeaking telephone system. 2,870,256, 1-20-59, Cl. 179-1.
- Peterson, Edward S., to General Telephone Laboratories, Inc. Time announcing system. 2,905,769, 9-22-59, Cl. 179-100.2.
- Peterson, Edward S., to General Telephone Laboratories, Inc. Toll ticketing telephone systems. 2,908,758, 10-13-59, Cl. 179-7.1.
- Peterson, Edward S., to General Telephone Laboratories, Inc. Automatic toll ticketing telephone systems. 2,908,759, 10-13-59, Cl. 179-7.1.
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- Peterson, Edward T., to Birdsboro Steel Foundry and Machine Co. Roller mill trough. 2,886,993, 5-19-59, Cl. 80-51.
- Peterson, Edwin F. Blind end core box blow tube. 2,899,724, 8-18-59, Cl. 22-10.
- Peterson, Edwin F. Spray head core box blow tube. 2,911,691, 11-10-59, Cl. 22-10.
- Peterson, Edwin F. Vibrator. 2,917,290, 12-15-59, Cl. 259-1.
- Peterson, Ellen J. Band for holding bank notes and similar papers. 2,892,228, 6-30-59, Cl. 24-17.
- Peterson, Elmer J.: See—  
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- Peterson, Gerald D. Device for adjusting window to out-of-square frame with insulating strip. 2,889,587, 6-9-59, Cl. 20-52.
- Peterson, Gerald D. Device for adjusting window to out-of-square frame. 2,889,589, 6-9-59, Cl. 20-52.
- Peterson, Glen. Apparatus for connecting circuit elements. 2,872,657, 2-3-59, Cl. 339-193.
- Peterson, Glen, to Phillips Petroleum Co. Method of and apparatus for seismic prospecting. 2,874,356, 2-17-59, Cl. 333-6.
- Peterson, Gordon R.: See—  
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- Peterson, Harold E. Surface abrading apparatus. 2,915,766, 12-8-59, Cl. 15-21.
- Peterson, Harold W.: See—  
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- Peterson, Hartin F., to Pullman-Standard Car Mfg. Co. Duct and lighting arrangement for vehicles. 2,902,917, 9-8-59, Cl. 98-10.
- Peterson, James A. Game carrier. 2,904,236, 9-15-59, Cl. 224-7.
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- Peterson, Janet B.: See—  
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- Peterson, John A., and G. H. Gloss, to International Minerals & Chemical Corp. Lithium values recovery process. 2,893,828, 7-7-59, Cl. 23-27.
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- Peterson, John W., and H. C. Jennings, Jr., to Everest & Jennings, Inc. Adjustable telescopic connection. 2,871,044, 1-27-59, Cl. 287-58.
- Peterson, Joseph A., and C. E. Olsen. Friction vise. 2,886,996, 5-19-59, Cl. 81-19.
- Peterson, Joseph A., and C. E. Olsen. Pipe vise having chain tightenable by torque exerted on a workpiece. 2,903,930, 9-15-59, Cl. 81-19.
- Peterson, Joseph A., and C. E. Olsen. Friction wrench. 2,905,035, 9-22-59, Cl. 81-67.
- Peterson, Joseph M., and A. C. Service. Point of operation saw guard. 2,876,810, 3-10-59, Cl. 143-159.
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- Peterson, Merton W., to Massey-Ferguson, Inc. Implement adjusting mechanism. 2,886,114, 5-12-59, Cl. 172-273.
- Peterson, Norman L., to Cutler-Hammer, Inc. Control system for three phase bridge rectifier circuits. 2,899,607, 8-11-59, Cl. 315-195.
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- Peterson, Norman R., and I. J. Cummings, to The Dow Chemical Co. Latex-based intumescent coatings compositions containing solid plasticizers. 2,917,476, 12-15-59, Cl. 260-17.4.
- Peterson, Otto W. Collar-clamping bow-tie mounting. 2,908,957, 10-20-59, Cl. 24-81.
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- Peterson, Raymond A., to United Geophysical Corp. Wave transmission system. 2,916,724, 12-8-59, Cl. 340-15.
- Peterson, Raymond C., to National Lock Co. Hinge. 2,867,840, 1-13-59, Cl. 16-168.
- Peterson, Reuben. Portable protecting cover for grain in open field storage. 2,874,651, 2-24-59, Cl. 108-3.
- Peterson, Richard H. Keying means for the selective control of a tone. 2,906,157, 9-29-59, Cl. 84-1.19.
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- Peterson, Robert J. Bagged-seed treating device. 2,914,820, 12-1-59, Cl. 21-109.
- Peterson, Robert L., to General Controls Co. Electrostatic magnetic amplifier for combustion control and other purposes. 2,884,588, 4-28-59, Cl. 323-89.
- Peterson, Robert L., to General Controls Co. System for deriving average intensity of flame and comparing instantaneous intensity therewith incorporating automatic gain control. 2,900,524, 8-18-59, Cl. 250-214.
- Peterson, Rodney E.: See—  
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- Peterson, Roscoe F. Apparatus for forming slip-seals on opposite ends of bell-ended sewer tile. 2,892,235, 6-30-59, Cl. 25-39.
- Peterson, Ruben O., to The Osborn Mfg. Co. Surface treating rod, wire, and the like. 2,876,146, 3-3-59, Cl. 134-9.
- Peterson, Ruben O., to The Osborn Mfg. Co. Brush seal and the like. 2,878,048, 3-17-59, Cl. 288-2.
- Peterson, Ruben O., to The Osborn Mfg. Co. Brushing tool and method of manufacture. 2,879,631, 3-31-59, Cl. 51-185.
- Peterson, Ruben O., to The Osborn Mfg. Co. Wire stem brush. 2,895,155, 7-21-59, Cl. 15-192.
- Peterson, Ruben O., to The Osborn Mfg. Co. Electrically conductive brush. 2,905,924, 9-22-59, Cl. 339-273.
- Peterson, Ruben O., to The Osborn Mfg. Co. Conditioning metal sheets, strip, rod and the like. 2,907,151, 10-6-59, Cl. 51-281.
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- Petras, John F., to United States Rubber Co. Di(acid maleates) of 2,2'-[isopropylidenebis(p-phenyleneoxy)]-dialkanols. 2,891,989, 6-23-59, Cl. 260-485.
- Petre, Eric A.: See—  
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- Petre, John R., to The American Laundry Machinery Co. Flatwork folding means. 2,900,185, 8-18-59, Cl. 270-62.
- Petre, John R., to The American Laundry Machinery Co. Proportional folding machine and method. 2,914,320, 11-24-59, Cl. 270-65.
- Petrea, James C., to Sperry Rand Corp. Bag closer and sealer. 2,902,805, 9-8-59, Cl. 53-126.
- Petree, Harris E., to Ethyl Corp. Process for the preparation of cyclopentadienyl manganese tricarbonyl compounds. 2,888,816, 1-13-59, Cl. 260-429.
- Petrelli, Arnaldo, to M. L. Saccucci. Tray with means for automatically lifting its cover. 2,903,317, 9-8-59, Cl. 312-284.
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- Petrenko, Alexander M., to Petren Products Inc. Method of waterproofing paper, cloth or fur and products produced thereby. 2,874,075, 2-17-59, Cl. 117-140.
- Petri, Jan E., to American Optical Co. Sealed casings for crystal elements. 2,868,862, 1-13-59, Cl. 174-50.57.
- Petri, Jan E., and H. G. Jones, to American Optical Co. Rear view mirrors. 2,882,793, 4-21-59, Cl. 88-77.
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- Petric, Edward J., to Bretford Mfg. Inc. Locking mechanism for an adjustable stand. 2,912,202, 11-10-59, Cl. 248-161.
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- Petric, Russell E., to Knox Mfg. Co. Portable stand. 2,886,274, 5-12-59, Cl. 248-171.
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- Phillips, Bruce B., and O. J. Smith, to North Bay Engineering Co. Paving machine. 2,899,877, 8-18-59, Cl. 94-44.
- Phillips, Calvert F., Jr., to Bendix Aviation Corp. Horn feed system to provide vertical, horizontal or circular polarization. 2,912,694, 11-10-59, Cl. 343-777.
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- Richards, William V., and Rosen. 2,871,673.
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- Phillips, Harold P., and S. I. Johnson, to Hastings Mfg. Co. Safety belt for automotive vehicles. 2,880,788, 4-7-59, Cl. 155-189.
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- Brill, Rudolf F. 2,901,419.
- Britton, Sylvester C. 2,909,159.
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- Brooke, Jesse M. 2,916,887.
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- Buell, Charles K. 2,881,230.
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- Buttolph, Doyle D. 2,889,931.
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- Cantwell, Kenneth R. 2,910,451.
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- Dean, Lloyd E., and Ivey. 2,906,784.
- De Haven, Clark G. 2,885,246.
- Dennis, William H., Jr. 2,917,454.
- Dietz, Richard E. 2,905,658.
- Dollinger, Robert E. 2,890,746.
- Dopler, John L. 2,918,925.
- Doss, Richard C., and Boat. 2,881,217.
- Draper, Homer L. 2,917,201.
- Drehman, Lewis E., and Box. 2,881,229.
- Dye, Robert F. 2,875,027.
- Dye, Robert F. 2,917,563.
- Eddy, William R., and McKay. 2,890,962.
- Edmonds, Lee O. 2,890,191.
- Edmonds, James T., Jr. 2,913,443.
- Edwards, Clyde H., and Webster. 2,878,511.
- Fauske, Sig C. 2,905,732.
- Favre, John A., Butler, and Mitacek. 2,883,343.
- Findlay, Robert A. 2,869,672.
- Findlay, Robert A. 2,881,134.
- Findlay, Robert A. 2,890,995.
- Findlay, Robert A. 2,895,835.
- Findlay, Robert A. 2,898,271.
- Findlay, Robert A. 2,899,377.
- Findlay, Robert A. 2,904,498.

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- Findlay, Robert A. 2,918,429.
- Flavin, Thomas C. 2,910,435.
- Flavin, Thomas C., and Groebe. 2,890,251.
- Fluegel, Dale A., and Burk. 2,886,710.
- Forkel, Curt E., Hall, and Seyer. 2,880,983.
- Fox, Homer M. 2,868,127.
- Fox, Homer M. 2,874,539.
- Fox, Homer M. 2,877,504.
- Fox, Homer M. 2,877,749.
- Fox, Homer M. 2,878,643.
- Fox, Homer M. 2,902,984.
- Fox, Homer M. 2,917,894.
- Fox, Jack J., and White. 2,893,412.
- Franklin, Charles E. 2,917,380.
- Freeman, Silas D., Jr. 2,884,376.
- Frellick, Jacob P. 2,917,455.
- Freund, Robert R. 2,893,680.
- Frey, Frederick E. 2,870,081.
- Gagle, Duane W., and Debaugh. 2,889,231.
- Gilmore, Forrest E. 2,868,326.
- Gilmore, Forrest E. 2,868,714.
- Gilmore, Forrest E. 2,868,723.
- Gilmore, Forrest E. 2,870,087.
- Gilmore, Forrest E. 2,885,109.
- Gilmore, Forrest E. 2,900,312.
- Gilmore, Forrest E. 2,900,326.
- Golna, Robert R. 2,890,876.
- Gomory, Paul L. 2,899,374.
- Goodhue, Lyle D. 2,868,633.
- Goodhue, Lyle D., and Cantrel. 2,884,355.
- Goodhue, Lyle D., and Cantrel. 2,919,227.
- Hachmuth, Karl H. 2,894,997.
- Hachmuth, Karl H., and Duckwall. 2,917,363.
- Hall, Dick S., Dean, Seyer, and Forkel. 2,880,078.
- Hall, Dick S., and Hennigan. 2,875,146.
- Hamlin, Frank S., Holmes, Brooks, and Swanson. 2,915,298.
- Hann, Paul D. 2,872,493.
- Hann, Paul D. 2,907,717.
- Harper, Kenneth A. 2,875,000.
- Harper, Kenneth A. 2,895,906.
- Harper, Kenneth A. 2,905,635.
- Harper, Kenneth A. 2,906,609.
- Harper, Kenneth A. 2,914,458.
- Harper, Kenneth A. 2,915,456.
- Headrick, John F. 2,899,820.
- Hebard, Glen G. 2,901,210.
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- Hendrix, Hershel V., and Miles. 2,880,587.
- Hennigan, Henry W. 2,899,283.
- Hettick, George R. 2,905,638.
- Hillyer, John C., and Edmonds. 2,886,556.
- Hillyer, John C., and Edmonds. 2,898,347.
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- Hintze, Alma J., and Klaus. 2,871,785.
- Hitzman, Donald O. 2,880,142.
- Hitzman, Donald O. 2,907,389.
- Hitzman, Donald O. 2,917,428.
- Hogan, John P., and Gardner. 2,898,360.
- Holm, Vernon C. F., Bailey, and Clark. 2,904,608.
- Howell, Robert C. 2,901,324.
- Hurley, James R. 2,880,096.
- Hurley, James R. 2,893,243.
- Hutchinson, William M. 2,879,306.
- Hutchinson, William M., and Bost. 2,893,885.
- Hutson, Thomas, Jr. 2,908,726.
- Johnson, Paul H. 2,882,219.
- Johnston, Kenneth L., and Bishop. 2,893,950.
- Jones, Jean P. 2,899,469.
- Jones, Rufus V. 2,870,113.
- Jones, Rufus V. 2,896,715.
- Jordan, Earl W., and Pierce. 2,894,821.
- Kangas, Charles H. 2,884,132.
- Kangas, Charles H. 2,908,521.
- Karasek, Francis W., and Loyd. 2,879,140.
- Kaveler, Herman H. 2,874,778.
- Kaveler, Herman H. 2,909,223.
- Kelley, Carl S. 2,914,388.
- Kennedy, Thomas J., and Holst. 2,893,971.
- Kilpatrick, Myron O. 2,906,792.
- Kimble, Harvey S., and McLeod. 2,897,184.
- King, William R. 2,892,684.
- Kindred, Raymond L. 2,872,113.
- Kindred, Raymond L. 2,874,298.
- King, William R., and Rushford. 2,880,819.
- Kittredge, George D. 2,890,569.
- Kleiss, Louis D. 2,911,361.
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- Koble, Robert A. 2,907,469.
- Koble, Robert A. 2,898,731.
- Kolner, Samuel J. 2,886,587.
- Kraus, Gerard. 2,901,448.
- Kron, Carl M. 2,891,100.
- Lanning, William C. 2,880,198.
- Lanning, William C. 2,891,935.
- Lanning, William C. 2,894,824.
- Lanning, William C. 2,899,380.
- Larsen, Olaf E. 2,877,753.
- Larsen, Olaf E. 2,883,276.
- Larsen, Olaf E. 2,889,213.
- Larson, Harold A., and King. 2,889,575.
- Lawson, Shelby D. 2,876,081.
- Lawson, Shelby D. 2,879,224.
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- Lawson, Shelby D. 2,894,998.
- Leatherman, Gerald T., and Dettler. 2,882,246.
- Leatherman, Gerald T., and Dettler. 2,915,513.
- Lee, Henry H., Berger, and Gilmore. 2,905,627.
- Lee, Roy, Jr. 2,887,362.
- Leslie, Robert W., and Jennings. 2,873,172.
- Lindsey, Joe P. 2,897,477.
- Lindsey, Joe P., and Jones. 2,878,999.
- Little, Donald M. 2,875,139.
- Lloyd, Neil E. 2,890,935.
- Loring, Ralph C. 2,877,554.
- Lortz, Russell W. 2,900,998.
- Louthan, Rector P. 2,913,475.
- Louthan, Rector P., and Kruse. 2,886,593.
- Lupfer, Dale E. 2,890,707.
- Lupfer, Dale E., and Houser. 2,880,073.
- Lupfer, Dale E., and Tolin. 2,890,617.
- Lupfer, Dale E., and Vesper. 2,885,885.
- Mahan, John E. 2,877,228.
- Mahan, John E. 2,893,995.
- Mahan, John E., and Osborn. 2,884,316.
- Marak, Eldon J. 2,897,247.
- Marsce, Jack H. 2,884,068.
- Marr, John W. 2,893,692.
- Marr, John W. 2,908,819.
- Mathis, Clyde H., and Polk. 2,877,866.
- Mathis, Clyde H., Strole, and Parker. 2,918,506.
- Matthews, Thomas A., II. 2,905,380.
- Matyear, Charles, Jr. 2,900,308.
- Matyear, Charles, Jr. 2,910,139.
- McBride, John A., and Green. 2,904,412.
- McCarthy, William A. 2,905,622.
- McGlamery, Roger M. 2,867,848.
- McCreary, Elmer J. 2,890,931.
- McIntire, Robert L. 2,886,612.
- McIntire, Robert L. 2,905,538.
- McKay, Dwight L. 2,882,133.
- McReynolds, Leo A. 2,875,029.
- Meade, Leonard P. 2,896,417.
- Meade, Leonard P. 2,903,877.
- Mertz, Clyde W. 2,900,387.
- Mertz, Clyde W. 2,907,770.
- Mertz, Clyde W. 2,914,589.
- Mertz, Clyde W., and Warner. 2,886,616.
- Mertz, Clyde W., and Zoller. 2,893,927.
- Miles, Elbert S. 2,883,833.
- Miles, Elbert S., and Porter. 2,884,761.
- Miller, Elmer C. 2,885,922.
- Miller, Elmer C. 2,890,571.
- Miller, Elmer C. 2,900,334.
- Minarik, William L. 2,897,062.
- Montgomery, Orin C. 2,900,619.
- Moore, Vernon L. 2,914,169.
- Morgan, Forrest C. 2,910,002.
- Myers, John W. 2,891,013.
- Myers, John W. 2,899,382.
- Myers, John W., and Prange. 2,911,357.
- Nannini, Louis G. 2,903,876.
- Nowlin, Gene, and Lyons. 2,908,674.
- Nowlin, Gene, and Lyons. 2,910,461.
- Nowlin, Gene, and Lyons. 2,918,458.
- Nowlin, Gene, and Lyons. 2,918,459.
- Oberlin, Lyman M. 2,874,541.
- Oberlin, Lyman M. 2,876,434.
- Oberlin, Lyman M., and Pittzer. 2,891,956.
- Ophelm, Milton H., and Franzus. 2,877,214.
- Ormsby, George S. 2,907,392.
- Ormsby, George S., and Bobo. 2,888,990.
- Owen, James R. 2,902,522.
- Owen, Joe D. 2,875,401.
- Owen, Joe D. 2,916,691.
- Parker, Harry W. 2,880,803.
- Parker, Harry W. 2,888,987.
- Parsons, James R. 2,891,239.
- Parsons, James R. 2,904,751.
- Parsons, James R. 2,908,820.
- Pennington, Edward N. 2,879,272.
- Pennington, Edward N., Pollock, Wood, Andrews, and Boyer. 2,883,271.
- Peterson, Glen. 2,874,356.
- Pietz, Raymond G. 2,871,444.
- Pietz, Raymond G. 2,886,108.
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- Pietz, Raymond G. 2,891,166.
- Pietz, Raymond G. 2,894,201.
- Pietz, Raymond G. 2,907,953.
- Pietz, Raymond G. 2,908,889.
- Pietz, Raymond G. 2,913,170.
- Pietz, Raymond G. 2,915,246.
- Pitchford, Armin C. 2,889,261.
- Pitzer, Emory W. 2,870,154.
- Pitzer, Emory W. 2,888,497.
- Pitzer, Emory W., and Bagnetto. 2,888,499.
- Pollock, Lyle W. 2,872,300.
- Pollock, Lyle W. 2,880,519.
- Pollock, Lyle W. 2,898,158.
- Pollock, Lyle W. 2,917,544.
- Porter, Grady T. 2,875,379.
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 Purre, Helmo. 2,911,206.  
 Quigg, Donald J. 2,890,239.  
 Rector, Walter T. 2,877,101.  
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 Reed, Edwin E. 2,871,668.  
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 Reynolds, William B. 2,899,418.  
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 Rush, Elton E. 2,890,938.  
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 Ryan, Martin A. 2,876,841.  
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 Sattler, Robert E. 2,916,889.  
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 Schleicher, Arthur R. 2,889,882.  
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 Seed, Kenneth W. 2,905,731.  
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 Steele, Earl P., and Southworth. 2,890,930.  
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 Tabler, Donald C. 2,913,448.  
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 Van Pool, Joe. 2,881,235.  
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 Phillips, John W., to Imperial Chemical Industries Ltd. Melt-spinning apparatus. 2,898,628, 8-11-59, Cl. 18-8.  
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 Picanol, Jaime. Adjustable unwinding means for the warp beam in weaving looms. 2,875,790, 3-3-59, Cl. 139-108.  
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 Pickard, Alfred E. Ground fault detector. 2,917,673, 12-15-59, Cl. 317-18.  
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 Woodward, Richard H., and Horwitz. 2,912,761.  
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 Pickel, Günter: See—  
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 Pickell, Clark A.: See—  
 Wells, Robert F., and Pickell. 2,903,572.  
 Pickell, Marion W.: See—  
 Goren, Mayer B., Pickell, and Garwin. 2,911,373.  
 Pickell, Marion W., to Kerr-McGee Oil Industries, Inc. Coating composition of asphaltene and plasticizer. 2,909,441, 10-20-59, Cl. 106-123.  
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 Grindie, Eugene L., and Pickels. 2,909,800.  
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 Pickels, Edward G., and W. M. Oates, to Beckman Instruments, Inc. Centrifuge apparatus. 2,885,188, 5-5-59, Cl. 257-4.  
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 Stava, Robert J., and Reiningner. 2,906,880.  
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 Foderaro, Anthony J. 2,876,362.  
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 Pickrell, Ernest J. Door check. 2,897,534, 8-4-59, Cl. 16-70.  
 Pickering Associates, Inc.: See—  
 Kuehn, John P. 2,916,562.  
 Pickering, Dorothy F.: See—  
 Iado, Leopold. 2,918,768.  
 Pickering, Harold L.: See—  
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 Pickles, Joseph, to Ferro Stamping Co. Positioning device. 2,868,271, 1-13-59, Cl. 155-14.  
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 Pitts, Robert D., and Corey. 2,896,249.  
 Piccolo, Luigi. Cocking mechanism for breech loading firearm. 2,908,098, 10-13-59, Cl. 42-13.  
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 Piel, Gerard J. R., and R. R. Dussine, to Societe d'Electronique et d'Automatisme. Electrical digital multiplier devices. 2,867,380, 1-6-59, Cl. 235-61.  
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 Le Masson, Yves. 2,915,059.  
 Piemont, Georges. Conveyors. 2,916,130, 12-8-59, Cl. 198-7.



- Piemonte, William J.: See—  
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- Pien, Hsia-Si, to Wilkening Mfg. Co. Piston-ring construction. 2,877,072, 3-10-59, Cl. 309-44.
- Pientkewic, Martin M. Mobile frame mounted tire removing device. 2,890,745, 6-16-59, Cl. 157-12.
- Pieper, Alphonse F. Pulley structure. 2,884,286, 4-28-59, Cl. 308-190.
- Pieper, Alphonse F. Adjusting means for tension mechanism. 2,899,221, 8-11-59, Cl. 287-20.
- Pieper, Archie H.: See—  
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- Pieper, Gustav, E. Stein, and H. F. Rickert, to Farbenfabriken Bayer Akt. Process for the polymerization of ethylene. 2,867,612, 1-6-59, Cl. 260-94.9.
- Pieper, Howard B. Bowling game apparatus. 2,884,251, 4-28-59, Cl. 273-40.
- Piepho, Edgar F. Method of reconditioning plow points. 2,906,015, 9-29-59, Cl. 29-401.
- Pier Inc.: See—  
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- Pier, Jerome R., to Westinghouse Air Brake Co. Pulsation dampener device. 2,875,788, 3-3-59, Cl. 138-30.
- Pier, Stanley M.: See—  
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- Pier, Stanley M., to Texaco Inc. Corrosion inhibitor for oil tanker water ballast. 2,892,860, 6-30-59, Cl. 260-452.
- Pierce, Bernard N., to The Merrow Machine Co. Lubrication systems. 2,879,733, 3-31-59, Cl. 112-256.
- Pierce, Donald A.: See—  
Dally, Arthur M., Arisman, and Pierce. 2,874,254.
- Pierce, Earl R., to General Motors Corp. Non-metallic means for bonding materials together. 2,879,115, 3-24-59, Cl. 309-3.
- Pierce, Earl R., to General Motors Corp. Automatic timing device. 2,899,810, 8-18-59, Cl. 64-25.
- Pierce, Earl R., to General Motors Corp. Friction clutch. 2,907,425, 10-6-59, Cl. 192-32.
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- Pierce, Eldridge M. Mirror frame for two vertically and horizontally adjustable mirrors. 2,876,675, 3-10-59, Cl. 88-84.
- Pierce, Eldridge M. Thermos jug holder. 2,895,702, 7-21-59, Cl. 248-293.
- Pierce, Frank M., to Frank Mossman Pierce Corp. Brake structure. 2,889,012, 6-2-59, Cl. 188-80.
- Pierce, Frank Mossman, Corp.: See—  
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- Pierce, Franklin W., and W. A. Woehr, to Blackhawk Instrument Co. Apparatus for temperature difference detection. 2,888,918, 6-2-59, Cl. 128-2.
- Pierce, John B.: See—  
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- Pierce, John R., to Bell Telephone Laboratories, Inc. Periodic magnetic focusing system. 2,867,745, 1-6-59, Cl. 315-3.5.
- Pierce, John R., to Bell Telephone Laboratories, Inc. Multi-electrode traveling wave tube. 2,876,380, 3-3-59, Cl. 315-3.6.
- Pierce, John R., to Bell Telephone Laboratories, Inc. High frequency amplifier. 2,908,845, 10-13-59, Cl. 315-5.15.
- Pierce, John R., to Bell Telephone Laboratories, Inc. Automatic phase equalizer. 2,908,874, 10-13-59, Cl. 333-18.
- Pierce, Joseph D., to The Vulcan Radiator Co. Heating, cooling and ventilating system. 2,876,690, 3-10-59, Cl. 98-38.
- Pierce, Ogden R.: See—  
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- Pierce, Ogden R., to Dow Corning Corp. Fluorinated alkyl organosilicon compounds. 2,894,969, 7-14-59, Cl. 260-448.2.
- Pierce, Phillip E.: See—  
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- Pierce, R. H. Mfg. Co.: See—  
Johnson, Alexander J. 2,881,788.
- Pierce, Roger V.: See—  
Austin, Robert B., Pierce, and Wright. 2,873,866.
- Pierce Specialized Equipment Co.: See—  
Bishop, Lewis H., and Lea. 2,914,189.
- Pierce, Wallace B.: See—  
Wirth, Edward C., Pierce, and Vogel. 2,871,830.
- Pierce, Weller R.: See—  
Jordan, Earl W., and Pierce. 2,894,821.
- Pierce, William C., to Warner Electric Brake & Clutch Co. Magnetic friction torque producing device. 2,885,048, 5-5-59, Cl. 192-84.
- Pierce, William C. Door with magnetic catch. 2,888,290, 5-26-59, Cl. 292-251.5.
- Pierce, William C., to Warner Electric Brake & Clutch Co. Electromagnetic torque device. 2,899,037, 8-11-59, Cl. 192-84.
- Pierce, William C., and C. W. Modersohn, to Warner Electric Brake & Clutch Co. Permanent magnet torque producing device. 2,914,714, 11-24-59, Cl. 317-201.
- Piercy, John P. Non-creep throttle control. 2,918,829, 12-29-59, Cl. 74-538.
- Piermarini, Gino J.: See—  
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- Pierotti, Gino J., to Shell Development Co. Condensation and separation process. 2,870,066, 1-20-59, Cl. 202-57.
- Pierre, Emile A.: See—  
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- Pierre, Emile A. Photo electric cell. 2,871,755, 2-3-59, Cl. 88-14.
- Piersol, Jay L., to Armstrong Cork Co. Method of forming a slurry of different filler particles uniformly coated with a binder. 2,887,431, 5-19-59, Cl. 162-169.
- Pierston, Charles A.: See—  
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- Pierston, Charles T., Jr., to Ershig Sheet Metal, Inc. Heated dish rinsing sink. 2,875,315, 2-24-59, Cl. 219-38.
- Pierston, Ennis B., and C. A. Archery bow. 2,894,503, 7-14-59, Cl. 124-23.
- Pierston, Ernest. Sashless window structure. 2,875,479, 3-3-59, Cl. 20-52.
- Pierston, George R.: See—  
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- Pierston, Hugh C., deceased; R. Pierston, administratrix. Closures. 2,892,497, 6-30-59, Cl. 160-368.
- Pierston, Knute H., to Montgomery Elevator Co. Elevator control circuit. 2,902,117, 9-1-59, Cl. 187-29.
- Pierston, Knute H., and W. F. Meinhardt, to Montgomery Elevator Co. Electrical control system. 2,867,291, 1-6-59, Cl. 187-29.
- Pierston, Paul R.: See—  
Baker, Benjamin P., and Pierston. 2,909,591.
- Pierston, Virginia F.: See—  
Fox, David A., and Quarles. 2,881,744.
- Pies, John R., to Texas Instruments Inc. Method of sealing resistors. 2,893,182, 7-7-59, Cl. 53-22.
- Pieters, Willem J.: See—  
Ten Have, Cornelius D., Bunting, Le Nobel, Pieters, and Lower. 2,893,954.
- Pieters, Willem J., and C. D. Ten Have, to Shell Development Co. Sweetening petroleum hydrocarbons and method for regenerating the treating solution. 2,893,951, 7-7-59, Cl. 208-204.
- Pieterse, Marius C. Devices for the transmission of movements. 2,869,377, 1-20-59, Cl. 74-216.3.
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- Pietruska, Friedrich, to Schiff & Stern, Gesellschaft mit beschränkter Haftung. Moistening of tobacco. 2,900,986, 8-25-59, Cl. 131-134.
- Pietrusza, Edward W.: See—  
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- Pietrusza, Edward W., and R. C. Winckhofer, to Allied Chemical Corp. Dried article consisting of a polyamide and a normal metal salt of a saturated aliphatic dicarboxylic acid. 2,919,258, 12-29-59, Cl. 260-37.
- Pietsch, Helmut: See—  
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- Pietsch, Raymond L.: See—  
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- Pietsch, Hayes O., and Pietsch. 2,888,291.
- Pietschker, Herbert E.: See—  
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- Pietz, Raymond G., to Phillips Petroleum Co. Electrical well logging. 2,871,444, 1-27-59, Cl. 324-1.
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- Pietz, Raymond G., to Phillips Petroleum Co. Seismic exploration. 2,888,089, 5-26-59, Cl. 181-5.
- Pietz, Raymond G., to Phillips Petroleum Co. Well logging. 2,891,166, 6-16-59, Cl. 250-83.3.
- Pietz, Raymond G., to Phillips Petroleum Co. Core logging method and apparatus. 2,894,201, 7-7-59, Cl. 324-13.
- Pietz, Raymond G., to Phillips Petroleum Co. Galvanometer. 2,907,953, 10-6-59, Cl. 324-150.
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- Pietz, Raymond G., to Phillips Petroleum Co. Polynomial roots computer. 2,915,246, 12-1-59, Cl. 235-180.
- Pietzsch, Frank H., to Thrall Railway Devices Co. Adjustable lading strapping anchor. 2,891,489, 6-23-59, Cl. 105-369.
- Pifer, Marlon J., to Sylvania Electric Products Inc. Solder-dipped stamped wiring. 2,869,040, 1-13-59, Cl. 317-101.
- Pifer, Marlon J., to Sylvania Electric Products Inc. Television apparatus. 2,898,586, 8-4-59, Cl. 340-369.
- Pifer, Marlon J., to Sylvania Electric Products Inc. Electric plug. 2,915,732, 12-1-59, Cl. 339-61.
- Pigage, Robert F.: See—  
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- Pigliavento, Gioacchino. Combination window bracket. 2,899,166, 8-11-59, Cl. 248-263.
- Pignone, Edward H. Adjustable drafting board assembly. 2,898,702, 8-11-59, Cl. 45-131.
- Pignone, Joseph, to Daystrom, Inc. Recorder pen lift mechanism. 2,885,265, 5-5-59, Cl. 346-68.

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- Piha, Arthur W., and R. G. Ehrman. Adjustable wear strips for boring bars. 2,901,929, 9-1-59, Cl. 77-58.
- Pihl, Hadley C., to Sears, Roebuck and Co. Ventilating fan with reversible pitch blade. 2,869,648, 1-20-59, Cl. 170-160.1.
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- Pikal, Harry. Apple coating turret with swingable hood means. 2,870,736, 1-27-59, Cl. 118-13.
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- Pike, Ronald M.: See—  
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- Pike, Ronald M., to Union Carbide Corp. Pyrrole-containing organosilicon compounds and process for producing the same. 2,881,184, 4-7-59, Cl. 260-326.5.
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- Pike, Winthrop S.: See—  
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- Piker, Herbert M., to Hamilton-Skotch Corp. Insulated container. 2,881,936, 4-14-59, Cl. 215-13.
- Piker, Herbert M., to The Hamilton Skotch Corp. Cabinet. 2,915,352, 12-1-59, Cl. 312-257.
- Piker, Herbert M., and A. J. Schulthais, to Hamilton-Skotch Corp. Spring lock. 2,872,066, 2-3-59, Cl. 220-55.
- Pikey, Cornelius P. Method and apparatus for portable refrigeration cycle. 2,883,835, 4-28-59, Cl. 62-181.
- Pilar, Frank L., H. N. Friedlander, O. O. Juveland, and E. Field, to Standard Oil Co. Catalytic conversion and catalysts. 2,881,156, 4-7-59, Cl. 260-94.9.
- Pilas, Frank J.: See—  
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- Pilas, Roy K., Chase, and Pilas. 2,917,812.
- Pilch, Chester W. Poultry feeding apparatus or the like. 2,893,741, 7-7-59, Cl. 275-2.
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- Pilch, John S. Detachable bulldozer. 2,878,598, 3-24-59, Cl. 37-117.5.
- Pilch, John S. Hydraulic brake for trencher. 2,878,784, 3-24-59, Cl. 121-40.
- Pilch, John S. Side digger. 2,878,951, 3-24-59, Cl. 214-138.
- Pilch, John S. Bucket control for loader or the like. 2,883,077, 4-21-59, Cl. 214-140.
- Pilch, John S. Fluid actuated control valve means for fluid motors. 2,890,683, 6-16-59, Cl. 121-38.
- Pilch, John S. Hydraulic system for tractor mounted apparatus. 2,890,805, 6-16-59, Cl. 214-138.
- Pilch, John S. Clam shell bucket and operating means therefor. 2,890,806, 6-16-59, Cl. 214-147.
- Pilch, John S. Hydraulic adze. 2,895,236, 7-21-59, Cl. 37-2.
- Pilcher, Joseph C.: See—  
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- Pileggi, Frank P.: See—  
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- Pileggi, Peter T., to General Electric Co. Arrangement for preventing displacement of stator end turns. 2,885,551, 5-5-59, Cl. 310-260.
- Pilkington Brothers Ltd.: See—  
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- Charnock, Stanley. 2,867,059.
- Jellyman, Philip E., Dickinson, and Macintosh. 2,895,260.
- Jellyman, Philip E., Macintosh, and Wilcock. 2,870,244.
- Pilkington, Lionel A. B., and Bickerstaff. 2,911,759.
- Wynne, Hubert C., and Cousen. 2,883,799.
- Pilkington, Lionel A. B., and K. Bickerstaff, to Pilkington Brothers Ltd. Manufacture of flat glass. 2,911,759, 11-10-59, Cl. 49-3.
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- Mayer, Hillis I., Steinert, and Clougherty. 2,902,812.
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- Pilny, Jiri, to Tesla, narodni podnik. Image producing devices. 2,912,646, 11-10-59, Cl. 324-71.
- Pilous, Albert J.: See—  
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- Pilson, Joseph E. Double-paneled louver jalousie structure. 2,867,861, 1-13-59, Cl. 20-62.
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- Pilzer, Charles J.: See—  
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- Pim, Richard A., and V. C. Rees, to L.O.F. Glass Fibers Co. Hydraulic winding traverse. 2,905,403, 9-22-59, Cl. 242-27.
- Pimbley, George H., to Turco Products, Inc. Process and compositions for producing aluminum surface conversion coatings. 2,868,679, 1-13-59, Cl. 148-6.2.
- Pimbley, George H., to Turco Products, Inc. Process for producing aluminum surface coatings. 2,898,250, 8-4-59, Cl. 148-6.21.
- Pimentel, George C.: See—  
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- Pinckaers, Balthasar H., to Minneapolis-Honeywell Regulator Co. Transistor control apparatus. Re. 24,678, 8-11-59, Cl. 307-88.5.
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Rohrbaugh, John H., Pine, and Zoellner. 2,912,643.
- Pine, Lester C.: See—  
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- Pine, Wilbur M. Building ventilating apparatus. 2,889,763, 6-9-59, Cl. 98-31.
- Pine, William S. Double-acting hydraulic jack. 2,917,277, 12-15-59, Cl. 254-93.
- Pineapple Research Institute of Hawaii: See—  
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- Pines Engineering Co., Inc.: See—  
Bower, Byron F. 2,871,909.
- Bower, Byron F., and Meredith. 2,887,141.
- Pinette, Robert M. Automatic can opener. 2,896,319, 7-28-59, Cl. 30-4.
- Pingard, Lucien, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Process for forming a stable agglomerated mass of active alumina. 2,881,051, 4-7-59, Cl. 23-143.
- Pinhasik, Sidney N.: See—  
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- Pini, Henning: See—  
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- Pinkard, Joseph A.: See—  
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- Pinkerton, Harry E., Jr., to United States of America, Army. Fluid transfer rate control for a firing mechanism. 2,873,650, 2-17-59, Cl. 89-131.
- Pinkerton, Martin L.: See—  
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- Pinkham, George A. Garment hangers and mounts therefor. 2,904,234, 9-15-59, Cl. 223-91.
- Pinkham, Jesse R., to American Machine & Foundry Co. Method and apparatus for curing tobacco. 2,882,911, 4-21-59, Cl. 131-136.
- Pinkham, William A., Jr. Dispenser for rolled tissues. 2,873,158, 2-10-59, Cl. 312-39.



- Pinkus, Lotte. Exchangeable shoe ornament. 2,888,767, 6-2-59, Cl. 41-34.
- Pinkvoss, Agnes. See—  
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- Pinkvoss, Berthold P., deceased, by A. Pinkvoss, executrix, to The Singer Mfg. Co. Feed regulating mechanisms for sewing machines. 2,875,716, 3-3-59, Cl. 112-211.
- Pinney, George C. See—  
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Langlois, David P., and Pinney. 2,890,182.
- Pinney, Harold E., to General Electric Co. Motor control system. 2,869,061, 1-13-59, Cl. 318-212.
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- Pinola, Frank L. See—  
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- Pinotti, Alfred D., to Owens-Illinois Glass Co. Glass conditioning apparatus. 2,913,509, 11-17-59, Cl. 13-6.
- Pinsley, Edward A., to United Aircraft Corp. Mixed blade compressor. 2,870,958, 1-27-59, Cl. 230-122.
- Pinson, Ellis R., Jr., to Chas. Pfizer & Co., Inc. Certain esters of 1,2-diaryl, 3-hydroxy, 4-substituted pyrazoline-5-ones. 2,905,694, 9-22-59, Cl. 260-310.
- Pinson, William L. Rocking cradle and high chair device. 2,908,917, 10-20-59, Cl. 5-109.
- Pinsuti, Giuseppe F. Smoker's filter. 2,893,402, 7-7-59, Cl. 131-188.
- Pinto, Jules M., Coupez, and P. Rochas, to Centre Technique Industriel dit Institut Textile de France. Method for the coating of glass threads and tissues with artificial resin. 2,893,892, 7-7-59, Cl. 117-72.
- Pinto, Salvatore. Combination vinyl plastic Venetian blind and screen. 2,914,122, 11-24-59, Cl. 160-89.
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- Pioch, Robert J. Chuck for attaching pipe fittings and the like. 2,878,026, 3-17-59, Cl. 279-7.
- Pioldi, Roberto. Jerk absorber for tow ropes and similar flexible members. 2,878,013, 3-17-59, Cl. 267-69.
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Coleman, Beatrice, Pioli, and Silvan. 2,888,930.
- Pion, Noel W., to North American Aviation, Inc. Rocket launcher. 2,916,969, 12-15-59, Cl. 89-1.7.
- Pionair Products, Inc. See—  
Minerley, Frederick K. 2,875,463.
- Pioneer Folding Box Inc. See—  
Detzluck, John. 2,914,184.
- Pioneer Gen-E-Motor Corp. See—  
Slwek, Stanley Z. 2,896,731.  
Slwek, Stanley Z. 2,914,129.
- Pioneer Rubber Co., Inc. See—  
Stivers, Norman J. 2,882,645.
- Pioneer Specialty Co. See—  
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- Pioneers Specialties, Inc. See—  
Carlson, Emil. 2,870,973.  
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- Piotrowski, Lottie J., L. Rlenks, and M. D. Grosanickie, to Armour and Co. Throtropic hormone separation. 2,871,159, 1-27-59, Cl. 167-74.
- Pipeline Coating & Engineering Co., Inc. See—  
Stokes, William S. 2,888,230.
- Pipe Line Service Corp. See—  
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- Pipeliners Mfg. Co., Inc. See—  
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- Piper, Carl J. Baled hay elevator and distributor. 2,885,065, 5-5-59, Cl. 198-188.
- Piper Charles A. See—  
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- Piper, Douglas E., to Eastman Kodak Co. Photographic emulsions sensitized with alkylene oxide polymers and quaternary ammonium compounds. 2,886,437, 5-12-59, Cl. 96-66.
- Piper, Richard C., Jr., and D. R. Oden, to Markel Electric Products, Inc. Diffuser for portable electric fan. 2,900,128, 8-18-59, Cl. 230-274.
- Piper, Robert L. Apparatus for simultaneously scrubbing the roof and walls of a transit bus. 2,879,529, 3-31-59, Cl. 15-21.
- Pipes, George R., and F. H. Kramen, to Eaton Mfg. Co. Closure device. 2,918,191, 12-22-59, Cl. 220-40.
- Pipitz, Egon. See—  
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- Piplack, Arno E. Safety pin clasp. 2,903,773, 9-15-59, Cl. 24-156.
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- Piqua Machine & Mfg. Co., The. See—  
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- Piquet, Georges, to Moteurs Electriques Segal & Cie. Electric motors. 2,900,587, 8-18-59, Cl. 318-224.
- Piquett, Price G. See—  
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- Pira, Olof. Vertically adjustable shelf construction. 2,915,196, 12-1-59, Cl. 211-147.
- Pircon, Ladislav J., to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, trustees. Method of and apparatus for thermatronic heating. 2,896,054, 7-21-59, Cl. 219-10.41.
- Pirelli-General Cable Works Ltd. See—  
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- Pirelli Società per Azioni. See—  
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- Pirrot, Ernst, to J. P. Bernberg, Akt. Guide and tensioning device for processing films and foils. 2,899,201, 8-11-59, Cl. 271-19.
- Pirrone, Sylvester J. See—  
Turansky, Clement J., and Pirrone. 2,880,582.  
Turansky, Clement J., and Pirrone. 2,916,046.
- Pirsh, Edward A., and E. J. Wagner, Jr., to The Babcock & Wilcox Co. Vapor washing apparatus. 2,875,992, 3-3-59, Cl. 261-98.
- Pirsig, Howard C., to Belle City Malleable Iron Co. Helicoid strike-off device for variable height flasks. 2,869,189, 1-20-59, Cl. 22-9.
- Pirwitz, Wilhelm, to Schloeman Akt. Devices for the removal of the cut-off discard from presses. 2,893,551, 7-7-59, Cl. 207-1.
- Piry, Marcel, to Fairchild Engine and Airplane Corp. Submarine depth and trim control. 2,887,977, 5-26-59, Cl. 114-18.
- Pisanehyn, John, and H. A. Troutman, to Allied Chemical Corp. Wax emulsion polish containing oxidized polyethylene wax. 2,874,137, 2-17-59, Cl. 260-29.6.
- Pisani, John J. Method of assembling electronic components. 2,871,548, 2-3-59, Cl. 29-155.5.
- Pischel, Paul. Manufacture of pencils. 2,917,777, 12-22-59, Cl. 18-47.5.
- Pischke, Alvin W., to Minneapolis-Honeywell Regulator Co. Worm-gear drive stop assembly. 2,907,225, 10-6-59, Cl. 74-425.
- Pistelli, Aldo. Sliding closure. 2,897,886, 8-4-59, Cl. 160-33.
- Pistey, John M., to General Electric Co. Fluorescent lamp-holder with screwless terminals. 2,869,105, 1-13-59, Cl. 339-174.
- Pistey, John M., and P. F. Strubel, to General Electric Co. Slider switch. 2,868,930, 1-13-59, Cl. 200-153.
- Pistor, Christel. See—  
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- Pistor, Christel, and H. J. McDermott, to American Viscose Corp. Artificial yarn producing apparatus. 2,872,701, 2-10-59, Cl. 18-8.
- Pistor, Hans J., and W. Koelsch, to Badische Anilin- & Soda-Fabrik Akt. Process of working up water-soluble carbon-ylation products. 2,878,258, 3-17-59, Cl. 260-540.
- Pistorius, Otto. See—  
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- Pitchford, Armin C., to Phillips Petroleum Co. Process for improving properties of asphalt. 2,889,261, 6-2-59, Cl. 208-28.
- Pitchford, Richard L. See—  
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- Pitcock, Ewing T. Printer's apron. 2,870,447, 1-27-59, Cl. 2-51.
- Pitcock, Robert, to Epoch Products Corp. Retractable window enclosure. 2,886,103, 5-12-59, Cl. 160-269.
- Piteo, Benjamin A., Jr., and D. B. Powell, to General Electric Co. Circuit breaker with undervoltage tripping means. 2,912,544, 11-10-59, Cl. 200-106.
- Piteo, Benjamin A., Jr., and D. B. Powell, to General Electric Co. Circuit breaker. 2,912,545, 11-10-59, Cl. 200-109.
- Pitman, Duncan, D. F. Rutland, and G. J. Giel, to United States of America. Navy. Sofar alarm. 2,907,012, 9-29-59, Cl. 340-213.
- Pitman, Herbert J. See—  
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- Pitman, Herbert J., W. E. Jordan, Jr., and G. S. Bright, to The Texas Co. Method of grease manufacture comprising shearing. 2,870,090, 1-20-59, Cl. 252-41.
- Pitman, J. C., & Sons, Inc. See—  
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- Pitman Mfg. Co. See—  
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- Pitner, John L. See—  
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- Pitner, Lloyd E., deceased, by J. L. Pitner, administrator. Collocating machines. 2,879,991, 3-31-59, Cl. 270-58.
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- Pitometer Log Corp. See—  
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- Pitrot, Adrian R. See—  
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- Pitt, Harold M., to Stauffer Chemical Co. Apparatus for photochemical chlorination reactions. 2,870,335, 1-20-59, Cl. 250-43.
- Pitt, Herman V. See—  
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- Pitt, Oas. Curb feeler. 2,902,671, 9-1-59, Cl. 340-61.
- Pittaluga, Louis. Combination see-saw and merry-go-round. 2,895,734, 7-21-59, Cl. 272-30.
- Pittman, Charles U., and J. C. Christensen, to Koppers Co., Inc. Thermal insulation material. 2,888,357, 5-26-59, Cl. 106-202.
- Pittman, George F., Jr. See—  
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- Pittman, Paul R., Jr., to Globe Industries, Inc. Rotary speed changer. 2,884,815, 5-5-59, Cl. 74-804.
- Pittman, Paul R., Jr., to Globe Industries, Inc. Electrical measurement and control device. 2,885,625, 5-5-59, Cl. 322-32.
- Pittman, Ralph R. High-voltage arc-spinning arrester. Re. 24,605, 2-17-59, Cl. 313-231.
- Pittman, Ralph R. Lightning arrester. 2,883,572, 4-21-59, Cl. 313-231.
- Pittman, Ralph R. Excess-voltage protective device. 2,883,573, 4-21-59, Cl. 313-231.
- Pittman, Ralph R. Lightning arrester. 2,883,574, 4-21-59, Cl. 313-231.
- Pittman, Robert R. See—  
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- Pittman, Roland, to Lear, Inc. Single axis two-gyro stabilized platform. 2,898,766, 8-11-59, Cl. 74-5.34.
- Pitton, Robert A. Soap dishes. 2,867,940, 1-13-59, Cl. 45-28.
- Pitts, Kennard. See—  
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- Pitts, Kennard, and E. A. Herder, to Rockwell-Standard Corp. Jointed arm rest. 2,893,473, 7-7-59, Cl. 153-112.
- Pitts, Robert D. See—  
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- Pitts, Robert D., and F. C. Corey, to Pickwick Co. Poultry processing equipment. 2,896,249, 7-28-59, Cl. 17-45.
- Pitts, William A., to Jersey Production Research Co. Fluid sampler. 2,872,817, 2-10-59, Cl. 73-422.
- Pittsburgh Coke & Chemical Co. See—  
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- Pittsburgh Plate Glass Co. See—  
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- Pittsburgh Steel Co. See—  
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- Pitzer, Edmund W., to Edcliff Instruments, Inc. Electrical transducer. 2,908,881, 10-13-59, Cl. 338-40.
- Pitzer, Edmund W., to Edcliff Instruments, Inc. Adjustable electrical resistor. 2,909,750, 10-20-59, Cl. 338-176.
- Pitzer, Emory W. See—  
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- Pitzer, Emory W., to Phillips Petroleum Co. Catalyst dehydrogenation process. 2,870,154, 1-20-59, Cl. 260-290.
- Pitzer, Emory W., to Phillips Petroleum Co. Chromium oxide catalyst and method of preparing and utilizing same. 2,888,497, 5-26-59, Cl. 260-680.
- Pitzer, Emory W., and L. Bagnetto, Jr., to Phillips Petroleum Co. Dehydrogenation catalyst and process. 2,888,499, 5-26-59, Cl. 260-680.
- Pizer, Robert S. See—  
Roberts, Aaron G., Crouse, and Pizer. 2,907,200.
- Pizzani, Valentine. Combined fish line sinker and chum dispenser. 2,906,055, 9-29-59, Cl. 43-44.99.
- Place, Charles E. S., deceased; I. Place, P. R. Trigg, Jr., and National Bank of Detroit, co-executors. Bolt having rolled grooves and recessed head to enhance uniform elongation. 2,895,368, 7-21-59, Cl. 85-1.
- Place, Clarence L. Tool rest. 2,888,786, 6-2-59, Cl. 51-220.
- Place, Daniel N. Mixing device. 2,896,925, 7-28-59, Cl. 259-134.
- Place, Isobel. See—  
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- Place, James A., G. G. Thomas, and G. A. White, to British Nylon Spinners Ltd. Yarn and its manufacture. 2,914,906, 12-1-59, Cl. 57-157.
- Placek, Chester. See—  
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- Plackett Closing Corp. of America. See—  
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- Plagge, Vernon L., and W. A. Boyce, to Westinghouse Electric Corp. High pressure mercury vapor lamp and method. 2,901,646, 8-25-59, Cl. 313-17.
- Plambeck, Louis, Jr., to E. I. du Pont de Nemours and Co. Process for preparing relief images. 2,892,712, 6-30-59, Cl. 96-35.
- Plan Hold Corp. See—  
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- Planchais, Georges M. See—  
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- Planer, George V., and R. W. Windebank, to Sprague Electric Co. Ceramic capacitors. 2,883,290, 4-21-59, Cl. 106-39.
- Planer, George V., and R. W. Windebank, to Powers-Samas Accounting Machines Ltd. Motion transmitters. 2,916,920, 12-15-59, Cl. 74-37.
- Planfeldt, Arne. See—  
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- Plant, George R. G., to Speech Research For The Deaf Ltd. Frequency indicators. 2,915,589, 12-1-59, Cl. 179-1.
- Plant, John D., Jr. Method and apparatus for making wearing apparel. 2,903,704, 9-15-59, Cl. 2-169.
- Plant, Leland G., deceased; P. L. M. Plant, executrix. Means for evacuating cars of the hopper type. 2,889,943, 6-9-59, Cl. 214-64.2.



- Plant, Patti L. M.: See—  
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Debat, Jacques, and Polgar. 2,900,100.  
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Harless, Charles A., and Polglase. 2,915,008.  
Polglase, Burton C., Jr., E. W. Worthington, and C. H. Ringe, to R. Hoe & Co., Inc. Magazine press plate cylinders. 2,909,999, 10-27-59, Cl. 101-378.  
Polglase, William J.: See—  
Darrach, Marvin, and Polglase. 2,891,091.  
Polhemus, John K., to General Aniline & Film Corp. Adapter for photoflash lamps. 2,884,610, 4-28-59, Cl. 339-45.  
Polhemus, John K., to General Aniline & Film Corp. Testing device for cameras and flash lamps. 2,901,692, 8-25-59, Cl. 324-51.  
Polhemus, Von D., to General Motors Corp. Interconnected torsion bar suspension. 2,906,543, 9-29-59, Cl. 280-104.  
Polich, Anthony, to Sabre Metal Products, Inc. Gooseneck drawbar. 2,878,033, 3-17-59, Cl. 280-423.  
Polidor, Edward C.: See—  
Conte, Joseph F., and Polidor. 2,887,827.  
Polimerou, Lazarus G. Function generator employing phototubes. 2,887,587, 5-19-59, Cl. 250-217.  
Polinak, Bernard L., to General Motors Corp. Track shoe assembly. 2,883,242, 4-21-59, Cl. 305-10.  
Politt, Edward Y., and M. T. Williams, to Lockheed Aircraft Corp. Phase shift oscillator. 2,891,159, 6-16-59, Cl. 250-36.  
Politta, Charles J., to United States Products Corp. Method and apparatus for forming hollow plastic articles. 2,891,280, 6-23-59, Cl. 18-19.  
Politto, Anthony J., to General Electric Co. Method of detecting leaks and testing media therefor. 2,878,392, 3-17-59, Cl. 250-71.  
Polits, William J.: See—  
Kobbe, John R., and Polits. 2,883,619.  
Politte, Cecil A. Emergency brake safety lock. 2,870,874, 1-27-59, Cl. 188-67.  
Politzer, Alfred: See—  
Costa, Joseph L., Glauber, Morse, Politzer, and Sixthor. 2,890,865.  
Polk, Donald S.: See—  
Carter, Leon S. 2,897,506.  
Polk, Irving J.: See—  
Christoflos, Nicholas C., and Polk. 2,874,326.  
Polk, Louis F., and J. H. Straw, to The Sheffield Corp. Gaging apparatus. 2,878,574, 3-24-59, Cl. 33-174.  
Polk, Walter B.: See—  
Mathis, Clyde H., and Polk. 2,877,866.  
Polkosky, Joseph J., and A. M. Splinter, to Radio Corp. of America. Electron multipliers. 2,881,343, 4-7-59, Cl. 313-104.  
Polkonik, Bernard L., to Ever Ready Calendar Mfg. Co. Label inserting apparatus. 2,906,425, 9-29-59, Cl. 216-9.  
Poll, Harry F., to Union Oil Co. of California. Process for catalytic desulfurization and reforming of cracked naphthas. 2,908,626, 10-13-59, Cl. 208-54.  
Pollack, Maxwell A. Making alpha-chloroacrylic compounds. 2,870,193, 1-20-59, Cl. 260-465.7.  
Pollack, Maxwell A. Synthesis of amino acids. 2,870,201, 1-20-59, Cl. 260-534.  
Pollak, Joseph, Corp.: See—  
Hasselbaum, Oscar H. 2,902,646.  
Pollak, Peter I., to Merck & Co., Inc. Chemical compounds and processes of preparing the same. 2,904,551, 9-15-59, Cl. 260-295.  
Pollak, Philip, Jr., and E. J. Lopes, to Emerson Radio & Phonograph Corp. Time stamp changing mechanism for mail cancelling systems or the like. 2,911,279, 11-3-59, Cl. 346-141.  
Pollard, Charles E., Jr., to Bell Telephone Laboratories, Inc. Switch. 2,868,926, 1-13-59, Cl. 200-112.  
Pollard, Harold J., and W. A. Baker, to Bristol Aircraft Ltd. Containers for attachment to the exterior of aircraft. 2,895,635, 7-21-59, Cl. 220-5.  
Pollock, Vincent A., and L. Wright, to Santay Corp. Stamping apparatus. 2,902,924, 9-8-59, Cl. 101-8.  
Pollet, René M. A. J.: See—  
Remane, Roger. 2,879,925.  
Remané, Roger. 2,883,090.  
Polley, Charles R. Chain type automatic poultry feeder. 2,918,037, 12-22-59, Cl. 119-52.  
Polley, Eugene J., to Zenith Radio Corp. Control system. 2,903,573, 9-8-59, Cl. 250-20.

- Polleys, Owen F., to The Kaman Aircraft Corp. Mechanism for adjusting throttles of a plurality of engines. 2,910,880, 11-3-59, Cl. 74-480.  
Polleys, Richard W., to John W. Bolton & Sons, Inc. Pulping apparatus and method. 2,917,245, 12-15-59, Cl. 241-15.  
Polia, Andrew A. Axially bolted pipe coupling with keyed flanges. 2,867,454, 1-6-59, Cl. 285-368.  
Pollingue, Daniel J., Jr.: See—  
Tietig, Rudolph, Jr., and Pollingue. 2,872,180.  
Pollitz, Harold C., to Iowa Mfg. Co. of Cedar Rapids, Iowa. Multi-stage roll crusher. 2,879,950, 3-31-59, Cl. 241-143.  
Pollitz, Harold C., to Iowa Mfg. Co. of Cedar Rapids, Iowa. Surface machine control means. 2,911,892, 11-10-59, Cl. 94-46.  
Pollitz, Harold C., to Iowa Mfg. Co. of Cedar Rapids, Iowa. Sced compensating and adjusting means. 2,914,994, 12-1-59, Cl. 94-45.  
Pollitz, Harold C., E. O. Spangler, and N. H. Kessler, to Iowa Mfg. Co. of Cedar Rapids, Iowa. Roll crusher for simultaneous crushing of large and small pieces of material. 2,879,952, 3-31-59, Cl. 241-235.  
Pollitzer, Ernest L., to Universal Oil Products Co. Solvent extraction of hydrocarbon mixtures. 2,906,707, 9-29-59, Cl. 208-325.  
Pollman, Andrew G. Blade guide and slice thickness gauge. 2,877,552, 3-17-59, Cl. 30-284.  
Pollmann, Max, to Kurt Korber & Co. K.G. Conveyor devices for cigarettes or the like. 2,902,140, 9-1-59, Cl. 198-25.  
Pollmann, Max, to Kurt Korber & Co. K.G. Storing and feeding apparatus for cigarette machines or the like. 2,902,186, 9-1-59, Cl. 221-10.  
Pollmann, Max, to Kurt Korber & Co. K.G. Transfer mechanism for cigarettes. 2,917,150, 12-15-59, Cl. 198-24.  
Pollock, Glenn E., Jr., H. A. Jett, T. Gerwitz, and B. L. Scallet, to Anheuser-Busch, Inc. Filtration process for starch. 2,913,359, 11-17-59, Cl. 127-71.  
Pollock, Gordon J., to The E. F. Hauserman Co. Door lock. 2,895,322, 7-21-59, Cl. 70-153.  
Pollock, Helen: See—  
Rachlin, Max. 2,890,664.  
Pollock, Herbert C., to General Electric Co. Logging apparatus. 2,887,728, 1-6-59, Cl. 250-83.3.  
Pollock, John S., to Eastman Kodak Co. Photographic color printer. 2,891,443, 6-23-59, Cl. 88-24.  
Pollock, John S., and W. R. Amann, to Eastman Kodak Co. Interchangeable mask arrangement for photographic printers. 2,895,396, 7-21-59, Cl. 95-79.  
Pollock, Joseph A. Snow shovel. 2,896,993, 7-28-59, Cl. 294-54.  
Pollock, Latham: See—  
Mittell, Frank C., Chase, Matey, Pollock, Dawson, and Bower. 2,902,696.  
Pollock, Lyle W.: See—  
Pennington, Edward N., Pollock, Wood, Andrews, and Boyer. 2,883,271.  
Wood, James Q., and Pollock. 2,867,508.  
Pollock, Lyle W., to Phillips Petroleum Co. Process and apparatus for simultaneously pelleting powdered materials and classifying same. 2,872,300, 2-3-59, Cl. 23-314.  
Pollock, Lyle W., to Phillips Petroleum Co. Controlling process and apparatus. 2,880,519, 4-7-59, Cl. 34-8.  
Pollock, Lyle W., to Phillips Petroleum Co. Controlling mass flow rate of particulate material in a pneumatic system. 2,898,158, 8-4-59, Cl. 302-53.  
Pollock, Lyle W., to Phillips Petroleum Co. Hydrocarbon cracking furnace and its operation. 2,917,564, 12-15-59, Cl. 260-683.  
Pollock Paper Corp.: See—  
Jensen, Thornd. 2,883,819.  
Pollock, Randolph R. Pressure seal for vulcanizing pneumatic tires. 2,874,415, 2-24-59, Cl. 18-45.  
Pollock, Robert S. Cooled turbine blade. 2,888,243, 5-26-59, Cl. 253-39.15.  
Pollock, Robert T. Method and apparatus for improving diesel fuel ignition quality. 2,915,054, 12-1-59, Cl. 123-187.5.  
Pollock, Roger A., to United Shoe Machinery Corp. Solvent activatable stiffener material. 2,887,400, 5-19-59, Cl. 117-28.  
Pollock, Samuel C.: See—  
Leih, Joseph L., and Pollock. 2,897,003.  
Pollock, Samuel C., to General Motors Corp. Attachment of convertible top fabric to side rail. 2,893,782, 7-7-59, Cl. 296-107.  
Pollock, William E., to Librascope, Inc. Multi-turn hunting tooth stop. 2,902,876, 9-8-59, Cl. 74-414.  
Polmanteer, Keith E.: See—  
Konkle, George M., McHard, and Polmanteer. 2,890,188.  
Polmanteer, Keith E., to Dow Corning Corp. Siloxane rubber tire. 2,897,869, 8-4-59, Cl. 152-330.  
Polmanteer, Keith E., to Dow Corning Corp. Adhesive composition. 2,898,224, 8-4-59, Cl. 106-287.  
Polo, Louis, to Radios S. A. Vacuum cleaners. 2,871,975, 2-3-59, Cl. 183-21.  
Polomski, John B.: See—  
Holdeman, John W., Masko, Polomski, and Whelpley. 2,895,344.  
Polomski, John B., to Borg-Warner Corp. Transmission. 2,882,756, 4-21-59, Cl. 74-754.  
Polomski, John B., to Borg-Warner Corp. Hydraulic controls for transmission. 2,899,834, 8-18-59, Cl. 74-472.  
Polovitch, Michael. Auxiliary safety braking attachment for motor vehicles. 2,871,986, 2-3-59, Cl. 188-5.  
Polson, Olien, and T. J. Nelson. Window construction. 2,890,501, 6-16-59, Cl. 20-42.  
Polster, Norman E., to Leeds and Northrup Co. Light sources for spectrograph systems. 2,895,078, 7-14-59, Cl. 315-111.  
Polster, William E.: See—  
Howe, Conrad L., and Polster. 2,888,587.  
Polstra, Charles R. Bumper attachment. 2,884,260, 4-28-59, Cl. 280-502.  
Poltorak, Emil J., to Johns-Manville Corp. Gaskets and method of making the same. 2,902,305, 9-1-59, Cl. 288-11.  
Poltorak, Emil J., and D. H. Johns, to Johns-Manville Corp. Gaskets. 2,882,082, 4-14-59, Cl. 288-11.  
Polumbus, E. A., Jr.: See—  
Gregory, Elmer O. 2,873,765.  
Poly Choke Co., Inc.: See—  
Conant, Richard W. 2,911,724.  
Grah, Arne Y. 2,888,769.  
Polychrome Corp.: See—  
Cohn, Bernard. 2,882,153.  
Cohn, Bernard. 2,882,154.  
Poly-Cut Corp.: See—  
Styers, Henry H. 2,909,969.  
Polydoroff, Wladimir J. Ferromagnetic antenna systems. 2,870,442, 1-20-59, Cl. 343-787.  
Polye, William R., to Bendix Aviation Corp. Heated thermistor. 2,878,351, 3-17-59, Cl. 201-63.  
Polyfab Co.: See—  
Langenfelder, Daniel J., Grover, and Forbes. 2,878,549.  
Polymer Corp. Ltd.: See—  
Alexander, Douglas S., and Henry. 2,887,521.  
Finigan, Charles M., and Spehar. 2,884,474.  
Flemming, Norbert A., and Montross. 2,874,412.  
Kearns, William J. L. 2,888,333.  
Kearns, William J. L. 2,911,453.  
Lewis, Edmund P., Skelton, and Cochrane. 2,916,361.  
Nicholl, Christopher I. H. 2,916,360.  
Reilly, Park M., Lewis, and Kearns. 2,884,473.  
Rush, Ian C., and Finigan. 2,886,613.  
Sevenspifer, Ross. 2,875,566.  
Poly-Seal Corp.: See—  
Robineau, Doria N. 2,913,017.  
Polytechnic Institute of Brooklyn: See—  
Bieber, Harold H., Bruins, and Gregor. 2,884,387.  
Carlin, Herbert J. 2,899,640.  
Carlin, Herbert J. 2,899,650.  
Polytechnic Research & Development Co., Inc.: See—  
Berger, Christian D. 2,912,957.  
Polyzou, James, and J. H. Brundage, to International Telephone and Telegraph Corp. Discriminator circuit. 2,906,873, 9-29-59, Cl. 250-27.  
Polyzou, James, and J. L. Jatlow, to International Telephone and Telegraph Corp. Signal control system. 2,913,711, 11-17-59, Cl. 340-253.  
Polzin, Wladimir J., to Will Ross, Inc. Identification bracelet. 2,871,592, 2-3-59, Cl. 40-21.  
Pomerantz, Reuben, E. F. Degering, and T. Hasselstrom. Method of packaging and treating articles. 2,904,392, 9-15-59, Cl. 21-54.  
Pomeroy, Chester M.: See—  
Douglass, John J., and Pomeroy. 2,916,995.  
Pomeroy, Richard C., to Bell Telephone Laboratories, Inc. Proportional amplitude discriminator. 2,870,828, 1-20-59, Cl. 250-27.  
Pomeroy, S. H. Co., Inc.: See—  
Knebel, Herman C. 2,876,506.  
Knebel, Herman C. 2,892,517.  
Knebel, Herman C. 2,896,753.  
Walsh, William L. 2,912,077.  
Pomeroy, Sawyer M., to The W. S. Tyler Co. Woven structural material. 2,874,730, 2-24-59, Cl. 139-425.  
Pomeroy, Sawyer M., to The W. S. Tyler Co. Illuminated ceiling. 2,886,697, 5-12-59, Cl. 240-9.  
Pomfret, John M., and F. Jenne, Jr., to General Electric Co. Arc tube mount. 2,918,592, 12-22-59, Cl. 313-25.  
Pommer, Dennis L.: See—  
Carlson, Carl A., Pommer, and Reiten. 2,900,775.  
Pommer, Dennis L., to Foley Mfg. Co. Grass catcher. 2,887,839, 5-26-59, Cl. 56-202.  
Pommer, Horst: See—  
Sarnecki, Wilhelm, and Pommer. 2,905,717.  
Pommer, Horst, to Badische Anilin- & Soda Fabrik Akt. Production of conjugated-unsaturated aldehyde carboxylic acid esters. 2,894,011, 7-7-59, Cl. 260-410.9.  
Pommer, Horst, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of vitamin A and vitamin A esters. 2,898,368, 8-4-59, Cl. 260-488.  
Pommer, Horst, and G. Wittig, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of compounds of the vitamin A series. 2,917,523, 12-15-59, Cl. 260-410.9.  
Pommer, Horst, and G. Wittig, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of compounds of the vitamin A series. 2,917,524, 12-15-59, Cl. 260-410.9.  
Pommier, Leonel J. Check valve. 2,877,793, 3-17-59, Cl. 137-514.7.  
Pomona Foundry, Inc.: See—  
Hulsking, Joseph C. 2,897,949.  
Pompeo, George C., to American Optical Co. Ophthalmic tool device. 2,884,153, 4-28-59, Cl. 218-14.



Pomper, Anthony W., and C. J. Waechter, to John Waldron Corp. Transverse web cutting apparatus having sheet delivery mechanism using timed vacuum belts. 2,895,552, 7-21-59, Cl. 164-88.

Pomper, Victor, to Societe Industrielle Generale de Mecanique Appliquee S.I.G.M.A. Hydraulic control systems in particular for operating a tractor rock shaft. 2,886,948, 5-19-59, Cl. 60-52.

Pomplio, Eugene. Escape ladders. 2,874,887, 2-24-59, Cl. 228-38.

Pon, Lemuel. Intermittent combustion turbine engine. 2,888,803, 6-2-59, Cl. 60-39.38.

Poncet, Pierre, 1/2 to E. Picat. Oil seals. 2,893,770, 7-7-59, Cl. 288-3.

Ponchaud, George C., to United States Steel Corp. Method of producing natural rhombic shaped ammonium sulphate crystals. 2,874,028, 2-17-59, Cl. 23-119.

Pond, Leander N.: See—Watkins, George E., and Pond. 2,893,542.

Pond, Robert B.: See—Wade, Worth, Pond, and Gibbons. 2,904,859.

Pond, Robert B., to Marvalaud, Inc. Method of forming round metal filaments. 2,879,566, 3-31-59, Cl. 22-200.1.

Pond, Robert B., to Marvalaud, Inc. Apparatus for producing alloy and bimetallic filaments. 2,900,708, 8-25-59, Cl. 29-194.

Pond, Robert B., to Marvalaud, Inc. Production of continuous filaments of high vapor pressure metals. 2,907,082, 10-6-59, Cl. 22-57.2.

Pond, Robert B., to Marvalaud, Inc. Apparatus for producing metal filaments. 2,910,744, 11-3-59, Cl. 22-57.3.

Pondexter, Edward, Jr.: See—Stewart, William D., Pondexter, and Wachtel. 2,915,519.

Pondy, Pat R.: See—Becker, Edward J., Cleveland, Pondy, and Robinson. 2,914,402.

Ponitz, Frederick A., and Pondy. 2,913,077.

Pongratz, Alfred: See—Zirm, Konrad L., and Pongratz. 2,878,251.

Zirm, Konrad L., and Pongratz. 2,878,253.

Pons, Paul H., to Etablissements Saxby. Clamp-type track brake for railway vehicles. 2,880,822, 4-7-59, Cl. 188-62.

Pons, Paul M., to Forges et Ateliers de Constructions Electriques de Jeumont. Packing for containers made of wound sheet metal. 2,918,002, 12-22-59, Cl. 102-43.

Ponteggi Tubolari Dalmine Innocenti S.p.A.: See—Micozzi, Alfredo. 2,911,243.

Ponthus, André, and G. Comte, to Compagnie Generale d'Electricite. Device for the testing of repeaters. 2,890,296, 6-9-59, Cl. 179-175.31.

Ponting, Leonard C., to Pratt & Whitney Co., Inc. Chuck jaw adjusting means. 2,917,314, 12-15-59, Cl. 279-123.

Pontious, Harry L., and E. L. Caustin, to North American Aviation, Inc. Automatic inflator for life preserving apparatus. 2,904,218, 9-15-59, Cl. 222-5.

Pontis, Paul R., and Associates, Inc.: See—Bradbury, James W. 2,893,245.

Pontis, William G.: See—Shewmon, Ralph K., and Pontis. 2,909,333.

Pontius, Eugene C., to E. I. du Pont de Nemours and Co. Viscose process. 2,891,836, 6-23-59, Cl. 18-54.

Pontremoli, Pio, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Device for supplying current to the bottom of electrolytic furnaces. 2,868,710, 1-13-59, Cl. 204-243.

Ponty, Howard D.: See—Monego, Constantin J., Manning, and Ponty. 2,895,327.

Pool, Benjamin M. Excavating apparatus. 2,884,721, 5-5-59, Cl. 37-85.

Pool, Henry L., to Fairchild Engine and Airplane Corp. Device for controlling an actuator by the translation of a shock wave. 2,873,750, 2-17-59, Cl. 137-87.

Pool, Stuart D., to International Harvester Co. Adjustable mounting for implement on tractor. 2,909,883, 10-27-59, Cl. 56-15.

Pool, Stuart D., and E. M. Mellin, to International Harvester Co. Minimum displacement balanced control valve. 2,876,796, 3-10-59, Cl. 137-622.

Poole, Alton B., to Koehler Mfg. Co. Separators for storage batteries and method of making them. 2,912,479, 11-10-59, Cl. 136-146.

Poole, Arthur B., to General Time Corp. Rotation controlling device. 2,874,809, 2-24-59, Cl. 158-82.1.

Poole, David M.: See—Mirza, Rio N., and Poole. 2,883,147.

Poole, Edward M., to The Babcock & Wilcox Co. Pulverizing apparatus. 2,906,407, 9-29-59, Cl. 241-53.

Poole, Forrest R.: See—Wadsworth, William B., and Poole. 2,899,683.

Poole, Foster M., 1/2 to C. Casey. Measuring instrument. 2,901,830, 9-1-59, Cl. 33-174.

Poole Foundry & Machine Co.: See—Swanson, Arthur. 2,891,303.

Poole, George J. License plate holder. 2,877,583, 3-17-59, Cl. 40-125.

Poole, Gregory. Removable air conditioning units for automobiles. 2,887,031, 5-19-59, Cl. 98-2.5.

Poole, James P., to Brockway Glass Co., Inc. Method and apparatus for manufacturing glassware. 2,915,638, 12-1-59, Cl. 250-83.3.

Poole, Joseph D., and S. O. Baby supporter and exerciser. 2,868,272, 1-13-59, Cl. 155-17.

Poole, Joseph R., to The Austin Co. Shaft position indicator. 2,901,170, 8-25-59, Cl. 235-92.

Poole, Kenneth M.: See—Kempfner, Rudolf, and Poole. 2,879,442.

Poole, Marcus W. Intravenous therapy training aid. 2,871,584, 2-3-59, Cl. 35-17.

Poole, Myron C., to Revolver Corp. Revolvable windows for mobile home. 2,886,863, 5-19-59, Cl. 20-53.

Poole, Robert E., Jr.: See—Weingart, Ben, and Poole. 2,891,107.

Poole, Susan O.: See—Poole, Joseph D., and S. O. 2,868,272.

Pooley, Robert W., to United States Rubber Co. Process of making cellular material. 2,901,774, 9-1-59, Cl. 18-53.

Pooley, Thomas R., to Dow Corning Corp. Phenylvinylsiloxane. 2,906,766, 9-29-59, Cl. 260-448.2.

Poon, Tom K. Portable fire-fighting equipment. 2,884,075, 4-28-59, Cl. 169-1.

Poor & Co.: See—Bartley, Calvin L. 2,885,153.

Jeremias, Bruno R. 2,902,394.

Olsen, Norman T. 2,898,162.

Thonger, Thurland G. 2,872,121.

Poorman, J. E., Inc.: See—Poorman, John E. 2,870,662.

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Poorman, John E. 2,875,662.

Poorman, John E. Knurling tool. 2,870,661, 1-27-59, Cl. 80-5.1.

Poorman, John E., to J. E. Poorman, Inc. Cross-slide knurling or like tool. 2,870,662, 1-27-59, Cl. 80-5.1.

Poorman, John E., to J. E. Poorman, Inc. Adjustable off-center drill holder. 2,875,629, 3-3-59, Cl. 74-384.

Poorman, John E., to J. E. Poorman, Inc. Cross-slide form tool holder. 2,875,662, 3-3-59, Cl. 82-36.

Poos, George I.: See—Arth, Glen E., Poos, and Sarett. 2,887,492.

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Popa, John, to General Electric Co. Starting and operating circuit for arc discharge device. 2,892,126, 6-23-59, Cl. 315-205.

Pope, Charles M. Underwater camera case. 2,901,143, 8-25-59, Cl. 220-85.

Pope, John T., to St. Regis Paper Co. Apparatus for felling trees and producing logs from the trunks. 2,882,941, 4-21-59, Cl. 143-43.

Pope, Kenneth E., to United States of America. Atomic Energy Commission. Pressure sensing device. 2,917,597, 12-15-59, Cl. 200-83.

Pope, Lyman B., J. W. Sjostrom, and A. E. Kempton, to Pope Machinery Corp. Boring machine worktable and speed control therefor. 2,880,629, 4-7-59, Cl. 77-3.

Pope Machinery Corp.: See—Pope, Lyman B., Sjostrom, and Kempton. 2,880,629.

Pope, Samuel H., and R. M. Stuntz, Jr., to Gulf Oil Corp. Liquid measurement. 2,914,946, 12-1-59, Cl. 73-219.

Pope, Seth, and F. Zilliken, to American Home Products Corp. Production of N-acetylglucosamine. 2,910,408, 10-27-59, Cl. 195-4.

Pope, William T., and A. Feiner, to United States of America. Air Force. Device for generating range marks. 2,892,942, 6-30-59, Cl. 250-27.

Pope, William T., Jr., to United States of America. Air Force. Pulse time jitter measuring device. 2,877,414, 3-10-59, Cl. 324-68.

Popeck, Stanley P., and J. R. Sottyslak, to General Aniline & Film Corp. Antifogging agents for light sensitive paper emulsions. 2,915,395, 12-1-59, Cl. 96-85.

Popell, Samuel J. Food chopper. 2,872,958, 2-10-59, Cl. 146-160.

Popell, Samuel J. Method for manufacturing artificial foliage, plant life, and similar shapes. 2,879,617, 3-31-59, Cl. 41-13.

Popejoy, Freddie W., and J. A. Krier, to Alltronics Mfg. Co. Connector for electric wires. 2,911,615, 11-3-59, Cl. 339-198.

Popielski, Daniel A., to Monsanto Chemical Co. Azo dye containing blends of styrene polymers and rubbery diene polymers of enhanced color stabilized with boric acid. 2,893,975, 7-7-59, Cl. 260-4.

Popielski, Daniel A., to Monsanto Chemical Co. Color stable blends of styrene polymers and rubbery diene polymers containing azo dyes and terephthalic or isophthalic acid. 2,893,976, 7-7-59, Cl. 260-4.

Popielski, Daniel A., to Monsanto Chemical Co. Process of dispersing pigments or resins in polystyrene using boric acid. 2,910,450, 10-27-59, Cl. 260-41.

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Popowsky, William J.: See—Baring, John A., and Popowsky. 2,910,585.

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Porcheddu, John. Inertia-operated switch for conveyances and the like. 2,871,310, 1-27-59, Cl. 200-61.45.

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Porepp, Hans, to Opti-Work G.m.b.H. & Co. Slider for helical-wire slide fastener. 2,901,803, 9-1-59, Cl. 24-205.15.

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Poritz, Nathan. Ballpoint pen with ink tube adapter. 2,882,859, 4-21-59, Cl. 120-42.03.

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Porret, Daniel: See—Kohler, Paul, Porret, and Tetz. 2,905,705.

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Portanger, Edward. Apparatus for cleaning wool. 2,869,181, 1-20-59, Cl. 19-85.

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Porter, Allan W. H., to F. N. F. Machinery Mfg. Co. Ltd. Warp knitting machinery. 2,871,686, 2-3-59, Cl. 66-86.

Porter, Allan W. H., and S. T. Sheppard, to F. N. F. Machinery Mfg. Co. Ltd. Knitting machinery. 2,872,799, 2-10-59, Cl. 66-120.

Porter, Alvin J., and L. O. Reichelt, to Western Electric Co., Inc. Device for cutting leads of electrical components. 2,898,997, 8-11-59, Cl. 164-47.

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Frostad, Lars. 2,884,789.

Porter, Charles A., D. G. Samuelson, and L. W. Holm, to The Pure Oil Co. Production of higher quality lubricating oil stocks. 2,889,262, 6-2-59, Cl. 208-34.

Porter, Charles H. Plug gauges. 2,903,797, 9-15-59, Cl. 33-175.

Porter, Clarence W.: See—Mierendorf, Robert C., and Porter. 2,919,385.

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Porter, David S., to United States of America, Army. Connector for cartridge belt link. 2,918,846, 12-29-59, Cl. 89-35.

Porter, Donald C., to W. E. Swarthout. Resilient connector. 2,892,326, 6-30-59, Cl. 64-7.

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Porter, Frank R., J. W. Halley, and J. E. McFarland, to Inland Steel Co. Method of producing articles for enamelling. 2,872,352, 2-3-59, Cl. 117-130.

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Porter, Frederick W. B., and E. C. Housam, to The British Petroleum Co. Ltd. Hydrocatalytic desulfurization of a mixture of straight-run and catalytically cracked gas oils. 2,900,331, 8-18-59, Cl. 208-214.

Porter, Grady T., to Phillips Petroleum Co. Gas discharge lamp power supply. 2,875,379, 2-24-59, Cl. 315-106.

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Porter, John H. Hot food package vending machine. 2,890,644, 6-16-59, Cl. 99-327.

Porter, John L., to Kaiser Aluminum & Chemical Corp. Process of purifying caustic aluminate liquors. 2,889,982, 6-9-59, Cl. 233-18.

Porter, John L., to Kaiser Aluminum & Chemical Corp. Process for preparing calcium aluminate and alumina from phosphate-containing ores. 2,903,338, 9-8-59, Cl. 23-52.

Porter, Kenneth W., Jr., and H. F. Stillwell, to Collins Radio Co. Burst eliminator circuitry. 2,918,575, 12-22-59, Cl. 250-27.

Porter, Lee M.: See—Rust, Frederick F., and Porter. 2,871,101.

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Porter, Leonard C., and G. J. Brule, to Raytheon Co. Induction heating apparatus. 2,914,642, 11-24-59, Cl. 219-9.5.

Porter, Mack R. Hydrodynamic brake. 2,880,825, 4-7-59, Cl. 188-91.

Porter, Robert D., to United Aircraft Corp. Emergency fuel control. 2,909,896, 10-27-59, Cl. 60-39.28.

Porter, Robert E. Belt holder. 2,869,169, 1-20-59, Cl. 15-268.

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Porter, William H. Equalized fluid pump. 2,867,176, 1-6-59, Cl. 103-183.

Porter, William L., to American Box Board Co. Compartmental box. 2,885,185, 5-26-59, Cl. 229-29.

Porter, William J.: See—Krieger, Richard S., and Porter. 2,891,636.

Porter, William J., to Parkmaster Systems Inc. Shuttle for carrying automotive vehicles. 2,873,089, 2-10-59, Cl. 254-5.

Portera, Stephen. Fabric pressing and shaping machine. 2,884,168, 4-28-59, Cl. 223-38.

Porterfield, Cecil P.: See—Williams, Everard M., and Porterfield. 2,868,947.

Porterfield, Cecil P., to Firth Sterling Inc. Control for spark machining apparatus. 2,887,561, 5-19-59, Cl. 219-69.

Porterfield, Cecil P., to Firth Sterling Inc. Electrode position control for spark machining apparatus. 2,903,555, 9-8-59, Cl. 219-69.

Porterfield, Erik A.: See—Porrata, Louis R., and Porterfield. 2,905,614.

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Porterfield, Jack N., to Aluminum International, Inc. Can handling machine. 2,909,269, 10-20-59, Cl. 198-31.

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- Portman, Donald G.: See—  
Groves, John N., and Portman. 2,917,593.
- Portner, Albert S. Crab trap construction. 2,918,749, 12-29-59, Cl. 43-102.
- Portnoy, Joseph, to United States of America, Army. Process for preparing a serologically active fraction of virulent treponema pallidum and resulting product. 2,892,755, 6-30-59, Cl. 167-84.5.
- Porto Holding Corp.: See—  
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- Porto Knurling Tools, Inc.: See—  
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- Portolano, Salvatore W. Shower attachment. 2,875,452, 3-3-59, Cl. 4-159.
- Porush, Irving, and G. L. Maison, to Riker Laboratories, Inc. Self-propelling compositions for inhalation therapy containing a salt of isoproterenol or epinephrine. 2,868,691, 1-13-59, Cl. 167-54.
- Porzellanfabrik Weiden Gebr. Bauscher, Zweigniederlassung der Lorenz Hutschenreuther Akt.: See—  
Achtziger, Christoph. 2,893,583.
- Posansky, Jacob. Bug screen bracing means. 2,870,833, 1-27-59, Cl. 160-369.
- Poschner, Hans and H. Vogelsang, to Siemens-Schuckertwerke Akt.: Loop regulating systems for the speed control of roll drives. 2,877,397, 3-10-59, Cl. 318-6.
- Posen, Sam, to Beltone Hearing Aid Co. Eyeglass hearing aid construction. 2,878,322, 3-17-59, Cl. 179-107.
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- Posey, Alice G. Spoon holder. 2,901,197, 8-25-59, Cl. 248-37.3.
- Posey, Bob, Jr.: See—  
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- Posey, John T. Foot support. 2,891,257, 6-23-59, Cl. 5-317.
- Posey, Joseph J., to United States Steel Corp. Dual arch. 2,869,488, 1-20-59, Cl. 110-99.
- Posey, Ken, Jr.: See—  
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- Posnansky, Karl W., to Stamford Rubber Supply Co. Organic materials prepared with the polyisocyanates and their preparation. 2,882,249, 4-14-59, Cl. 260-3.
- Posner, Bernard B., to The Shannon Ltd. Support for suspended files. 2,871,861, 2-3-59, Cl. 129-16.
- Posnett, William A., and J. M. Ferguson, to Shanks & McEwan Ltd., and Colvilles Ltd. Road surfacing material. 2,875,084, 2-24-59, Cl. 106-284.
- Pospišil, Zdenek, and M. Beranek, to Tesla, narodni podnik. Device for accurate measurement and recording of a slowly increasing or decreasing voltage. 2,912,649, 11-10-59, Cl. 324-99.
- Pospiszel, Joseph T., to Mohasco Industries, Inc. Holder for carrying and displaying flat articles. 2,892,269, 6-30-59, Cl. 35-50.
- Posselt, Frederick W.: See—  
Stanley, Lester N., and Posselt. 2,893,815.
- Possis, Zilon C.: See—  
Pulera, Joseph A., and Possis. 2,884,027.
- Post, Charles R. Suture-tying instrument. 2,895,478, 7-21-59, Cl. 128-334.
- Post, Frederick L., to International Business Machines Corp. Multipath magnetic core memory devices. 2,898,581, 8-4-59, Cl. 340-174.
- Post, Howard E., to Universal Oil Products Co. Hydrocarbon conversion process in the presence of added hydrogen. 2,894,897, 7-14-59, Cl. 208-111.
- Post, Lloyd P., to Kiekhafer Corp. Outboard motor remote steering control. 2,875,722, 3-3-59, Cl. 115-18.
- Post, Robert G., to R. C. Carr. Microfilm reader. 2,878,718, 3-24-59, Cl. 88-24.
- Post, Rudolf: See—  
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- Post, Wilmar R.: See—  
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- Postelnek, William, to United States of America, Air Force. Glass fiber-thickened grease compositions. 2,900,338, 8-18-59, Cl. 252-13.
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- Postman, Martin S. Analog to digital transducer. 2,880,410, 3-31-59, Cl. 340-341.
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Copping, Geoffrey P., Myers, and Smith. 2,895,610.
- Harris, Lionel R. F. 2,876,284.
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- Potash, Norman. Fastening of rigid plates to sheet material. 2,910,062, 10-27-59, Cl. 128-141.
- Potchen, Joseph A.: See—  
Kloote, George E., Potchen, and Meler. 2,887,732.
- Kloote, George E., Potchen, and Meler. 2,907,383.
- Potchen, Joseph A., to Haskellite Mfg. Corp. Means for providing moisture tight openings through panels. 2,887,740, 5-26-59, Cl. 20-92.
- Potchen, Joseph A., to Haskellite Mfg. Co. Mixing head. 2,890,868, 6-16-59, Cl. 259-4.
- Potchen, Joseph A., G. E. Kloote, and G. D. Meler, to Haskellite Mfg. Corp. Multilaminar panel. 2,875,117, 2-24-59, Cl. 154-128.
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- Potdevin Machine Co.: See—  
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- Poth, George H. Fruit slice juice extractor. 2,881,696, 4-14-59, Cl. 100-234.
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- Potocnik, Rudolph, to General Motors Corp. Automobile rear end construction. 2,873,998, 2-17-59, Cl. 296-28.
- Potosky, Maurice, J. H. Davis, and M. Hansburg. Orientation system for magnetometers. 2,886,773, 5-12-59, Cl. 324-43.
- Potratz, Herbert A., to United States of America, Atomic Energy Commission. Plutonium-cupferron complex and method of removing plutonium from solution. 2,868,817, 1-13-59, Cl. 260-429.1.
- Pottash, Edward. Retrieving device. 2,872,142, 2-3-59, Cl. 248-80.
- Potter & Blomfield, Inc.: See—  
Harrison, William J. 2,905,788.
- Potter, Charles, to Engelhard Industries, Inc. Treatment of sand. 2,911,286, 11-3-59, Cl. 23-182.
- Potter, David M. Specific gravity meter. 2,891,403, 6-23-59, Cl. 73-453.
- Potter, David S., to United States of America, Navy. Ceramic barium titanate electro-mechanical filter. 2,867,780, 1-6-59, Cl. 333-72.
- Potter, Donald A.: See—  
Fairbanks, Gordon J., Potter, and Mellett. 2,895,678.
- Potter, Frederick M.: See—  
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- Potter, John: See—  
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- Potter, John J., to Hayden-Nilos Ltd. Machines for securing hooked belt-fasteners. 2,879,511, 3-31-59, Cl. 1-49.4.
- Potter, John J., to Hayden-Nilos Ltd. Belt-fastening machines. 2,899,680, 8-18-59, Cl. 1-49.4.
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- Potter, John J., to Hayden-Nilos Ltd. Belt-fastening machines. 2,908,009, 10-13-59, Cl. 1-49.4.
- Potter, Leon M., and W. M. Willett, to James Mfg. Co. Feed trough and distributing system. 2,878,925, 3-24-59, Cl. 198-218.
- Potter, Norman M.: See—  
Fritz, William H., Potter, and Cox. 2,913,892.
- Potter, Ralph E. Superregenerative receiver with antenna and open-circuited diode connected to input. 2,885,545, 5-5-59, Cl. 250-20.
- Potter, Ralph E. Antenna and audio connector cable unit. 2,899,549, 8-11-59, Cl. 250-16.
- Potter, Ralph K., to Bell Telephone Laboratories, Inc. Magnetic printer. 2,894,798, 7-14-59, Cl. 346-74.
- Potter, Richard P., to Maurice and Misha Ravdel, and M. Stanton. Rotary impact, ratchet-type wrench. 2,882,772, 4-21-59, Cl. 81-52.3.
- Potter, Robert, to E. W. Bliss Co. Upcoller with rolls independently driven at surface speed of material being coiled. 2,877,821, 3-17-59, Cl. 153-54.
- Potter, Sidney P. Apparatus for filling milk bottles. 2,901,009, 8-25-59, Cl. 141-286.
- Potter, Thomas W., to Journal Box Servicing Corp. Journal box axle stop. 2,897,018, 7-28-59, Cl. 308-38.
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- Potter, Van R., to Wisconsin Alumni Research Foundation. Acoustical device. 2,878,887, 3-24-59, Cl. 181-31.
- Potthoff, William C.: See—  
Jones, James B., and Potthoff. 2,895,845.
- Pottle, Ralph K.: See—  
Fredette, Joseph H., Pottle, and Swartz. 2,892,572.
- Pottmeyer, Edward W., to Blaw-Knox Co. Reversing valve mechanism. 2,891,567, 6-23-59, Cl. 137-310.
- Potts, Donald M. Electric double boiler. 2,867,420, 1-6-59, Cl. 259-108.
- Potts, Ernest L., to C. C. Brown. Apparatus for performing well operations. 2,880,807, 4-7-59, Cl. 166-146.
- Potts, Ernest L., to C. C. Brown. Well packer. 2,884,070, 4-28-59, Cl. 166-121.
- Potts, Ernest L., to C. C. Brown. Hydraulic pulling tool. 2,915,126, 12-1-59, Cl. 166-98.
- Potts, George G.: See—  
Moss, Ennis E. Re. 24,624.
- Potts, Horace T. Co.: See—  
Armstrong, David E., and Dunn. 2,907,102.
- Klein, Alois A. 2,918,102.
- Potts, John, to Wilson-Jones Co. Spring action desk pad holder. 2,876,021, 3-3-59, Cl. 281-15.
- Potts, Lawrence D.: See—  
First, Vincent E., Potts, Rice, and Yendall. 2,908,144.

- Potts, Lawrence D., and E. F. Yendall, to Union Carbide Corp. Dual pressure cycle for air separation. 2,873,583, 2-17-59, Cl. 62-14.
- Potts, Mack F.: See—  
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- Potts, Mack F., W. L. Smith, and P. S. Hudson, to Phillips Petroleum Co. Color stabilization of polymerizable heterocyclic nitrogen compounds. 2,887,490, 5-19-59, Cl. 260-290.
- Potts, Melvin W. Athletic equipment carrier rack. 2,904,383, 9-15-59, Cl. 312-293.
- Potvin, Roger J. A., M. J. Lavigne, and J. J. E. Laberge, to Atomic Energy of Canada Ltd. Protective coating of uranium and thorium. 2,913,417, 12-1-59, Cl. 117-130.
- Pouchot, Walter D., to Westinghouse Electric Corp. Rotating flame spreader for stationary flameholder. 2,914,921, 12-1-59, Cl. 60-39.72.
- Poudriere Reunies de Belgique S. A.: See—  
Diels, Albert, and Orth. 2,874,604.
- Pougnand, Clement, to Normacem, Societe Anonyme. Rotary casting apparatus. 2,917,797, 12-22-59, Cl. 22-65.
- Poult, Robert. Jet propelled aircraft with jet flaps. 2,912,189, 11-10-59, Cl. 244-15.
- Poulin, Peter. Chair with liftable arm rests. 2,869,623, 1-20-59, Cl. 155-198.
- Poulos, Ernest A. Combined garbage can handle and latch. 2,873,880, 2-17-59, Cl. 220-35.7.
- Poulos, Nicholas M.: See—  
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- Poula, Francis. Training device for children. 2,885,854, 5-12-59, Cl. 58-1.
- Poulaom, Edmund: See—  
Elce, Alec, Poulaom, and Craven. 2,916,422.
- Poulsen, Wilhelm E. Automatic wild bird feeder. 2,918,901, 12-29-59, Cl. 119-51.
- Poulsen, Clair C., to Western Electric Co., Inc. Fluid applying and drying apparatus for treating coils. 2,890,679, 6-16-59, Cl. 118-642.
- Pound, Robert V., to Chemetron Corp. Suppression of radiation from dielectric heating applicators. 2,868,939, 1-13-59, Cl. 219-10.55.
- Pound, Robert V., to Levinthal Electronics Products, Inc. Microwave pulse generator. 2,873,370, 2-10-59, Cl. 250-36.
- Pounds, Hoyle, J. H., and R. S., to Pounds Motor Co., Inc. Combined tree cultivator and fertilizer distributor. 2,871,804, 2-3-59, Cl. 111-11.
- Pounds, James H.: See—  
Pounds, Hoyle, J. H., and R. S. 2,871,804.
- Pounds Motor Co., Inc.: See—  
Pounds, Hoyle, J. H., and R. S. 2,871,804.
- Pounds, Russell S.: See—  
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- Poundstone, William N., to Consolidation Coal Co. Hydraulic powered mining machine. 2,905,441, 9-22-59, Cl. 235-47.
- Poupet, Bernard. Skinning method and apparatus. 2,871,509, 2-3-59, Cl. 17-45.
- Poupitch, Ougljesa J., to Illinois Tool Works. Helically formed resilient lock washer with inner nut engaging and outer work engaging teeth. 2,868,256, 1-13-59, Cl. 151-35.
- Poupitch, Ougljesa J., to Illinois Tool Works. Sheet metal clip. 2,868,486, 1-13-59, Cl. 248-68.
- Poupitch, Ougljesa J., to Illinois Tool Works. Container carrier and package. 2,874,835, 2-24-59, Cl. 206-65.
- Poupitch, Ougljesa J., to Illinois Tool Works. Mattress handle. 2,876,465, 3-10-59, Cl. 5-345.
- Poupitch, Ougljesa J., to Illinois Tool Works. Means for securing ceiling panels in automobiles. 2,876,971, 3-10-59, Cl. 248-225.
- Poupitch, Ougljesa J., to Illinois Tool Works. Moulding clip. 2,879,569, 3-31-59, Cl. 24-73.
- Poupitch, Ougljesa J., to Illinois Tool Works. Can carrier clip. 2,894,622, 7-14-59, Cl. 206-65.
- Poupitch, Ougljesa J., to Illinois Tool Works. Method of assembling a washer and rod to make a headed fastener. 2,914,780, 12-1-59, Cl. 10-27.
- Poupitch, Ougljesa J., to Illinois Tool Works. Blind fastener formed of plastic and containing longitudinal slots which permit rosette type of distortion of shank. 2,918,841, 12-29-59, Cl. 85-40.
- Poupirt, Walter C.: See—  
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- Pourciau, Louis L., to General Precision Laboratory Inc. Video resolution control. 2,911,468, 11-3-59, Cl. 178-7.1.
- Pouré, Emile E. Mixers. 2,905,450, 9-22-59, Cl. 259-84.
- Poux, Noel J., to Talon, Inc. Slider for slide fasteners. 2,870,507, 1-27-59, Cl. 24-205.15.
- Pouzet, Daniel, to Compagnie des Freins et Signaux Westinghouse. Reversible counting apparatus. 2,902,216, 9-1-59, Cl. 235-92.
- Povinelli, Angelo A., and T. J. Fishing aid. 2,908,989, 10-20-59, Cl. 48-42.74.
- Povinelli, Theodore J.: See—  
Povinelli, Angelo A., and T. J. 2,908,989.
- Porse, Vincent A., and G. A. Zerby, to Bar Products Co. Molding press. 2,894,281, 7-14-59, Cl. 18-16.
- Powell, William S., to Adams Powell Equipment Ltd. Packing. 2,873,039, 2-10-59, Cl. 216-025.
- Powell, Albert E., to Byford Labs., Inc. Frequency discriminator for frequency-modulated pulses. 2,914,672, 11-24-59, Cl. 250-27.
- Powell, Allan F.: See—  
Powell, Walter N., and A. F. and Anderton. 2,909,115.
- Powell, Alric H., to General Electric Co. Electric circuit interrupter. 2,886,663, 5-12-59, Cl. 200-48.
- Powell, Bruce E.: See—  
De Bolt, Richard R., and Powell. 2,884,365.
- Powell, Burnet J., to The Bingham-Herbrand Corp. Foot operated parking brake. 2,875,641, 3-3-59, Cl. 74-539.
- Powell, Burnet J., to The Bingham-Herbrand Corp. Parking brake for vehicles. 2,903,907, 9-15-59, Cl. 74-539.
- Powell, Charles W. Mosaic tile and method. 2,876,574, 3-10-59, Cl. 41-23.
- Powell, Clinton O. Toothbrush. 2,900,651, 8-25-59, Cl. 15-138.
- Powell, Dan, and W. J. Allsopp, to The Metal Box Co. Ltd. Reshaping of can bodies. 2,895,527, 7-21-59, Cl. 153-2.
- Powell, Daniel R. Rotary checking fixture. 2,896,330, 7-28-59, Cl. 33-174.
- Powell, David B.: See—  
Piteo, Benjamin A., Jr., and Powell. 2,912,544.
- Piteo, Benjamin A., Jr., and Powell. 2,912,545.
- Powell, David R., to The National Acme Co. Threading implement. 2,909,087, 10-20-59, Cl. 80-6.
- Powell, Donald C., to Gadget-Of-The-Month Club, Inc. Convertible suitcase. 2,875,868, 3-3-59, Cl. 190-44.
- Powell, Edward R., to Johns-Manville Corp. Method and apparatus for producing fibers. 2,884,659, 5-5-59, Cl. 18-25.
- Powell, Edward V. Fipple flute. 2,883,898, 4-28-59, Cl. 84-384.
- Powell, Elmo M.: See—  
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- Powell, Ernest F., and H. J. Lawton, to Dunlop Tire and Rubber Corp. Method and apparatus for testing tires, belts or the like. 2,869,361, 1-20-59, Cl. 73-146.
- Powell, Ernest P., to E. G. Staude Mfg. Co., Inc. Decurling apparatus. 2,893,053, 7-7-59, Cl. 18-1.
- Powell, Eugene L.: See—  
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- Powell, George H.: See—  
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- Powell, Gerald E., to Ricardo & Co., Engineers (1927) Ltd. Combustion apparatus. 2,882,843, 4-21-59, Cl. 110-28.
- Powell, Gerry: See—  
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- Powell, Gordon F. W.: See—  
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- Powell, Gordon F. W., to Molins Machine Co. Ltd. Device for detecting workpieces such as card blanks for packets. 2,881,275, 4-7-59, Cl. 200-61.41.
- Powell, Gordon F. W., and R. G. Crosland, to Molins Machine Co. Ltd. Detector device suitable for use with cigarette-making machines. 2,896,636, 7-28-59, Cl. 131-21.
- Powell, Harold W., to Kango Electric Hammers Ltd. Armature winding connectors. 2,897,385, 7-28-59, Cl. 310-234.
- Powell, Jack E.: See—  
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- Powell, James E. Combination egg holder and condiment dispenser. 2,909,304, 10-20-59, Cl. 222-130.
- Powell, Jonathan S., Jr., and D. A. Stromsoe. Golf tee dispenser. 2,901,146, 8-25-59, Cl. 221-190.
- Powell, Manly J.: See—  
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- Powell, Manly J., and T. A. Cecil, to Minerals & Chemicals Corp. of America. Preparation of spherical contact masses. 2,898,304, 8-4-59, Cl. 252-450.
- Powell, Ralph C. Method and machine for knitting seamless gloves. 2,877,635, 3-17-59, Cl. 66-65.
- Powell, Richard H., to The Dole Valve Co. Thermostatically controlled hot and cold water by-pass valve. 2,905,387, 9-22-59, Cl. 236-12.
- Powell, Robert D.: See—  
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- Powell, Robert D., to Allis-Chalmers Mfg. Co. Disk grease seals. 2,908,177, 10-13-59, Cl. 74-230.17.
- Powell, Robert D., C. B. Hilgeman, and R. H. Sporing, to Allis-Chalmers Mfg. Co. Variable pitch diameter sheave. 2,889,161, 8-2-59, Cl. 287-52.06.
- Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel metering valve. 2,895,463, 7-21-59, Cl. 123-139.
- Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel system. 2,901,031, 8-25-59, Cl. 158-36.4.
- Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel injection system. 2,902,016, 9-1-59, Cl. 123-139.
- Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel manifold. 2,913,231, 11-17-59, Cl. 261-23.
- Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Fuel injector. 2,913,233, 11-17-59, Cl. 261-64.
- Powell, Robert M. High frequency oscillator for proximity fuze. 2,913,716, 11-17-59, Cl. 343-7.
- Powell, Robert W.: See—  
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- Powell, Russell A., to Koppers Co., Inc. Sintering machine apparatus. 2,890,088, 6-9-59, Cl. 266-21.



- Powell, Russell W.: See—  
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Powell, Truman W. Signal monitoring apparatus. 2,879,383, 3-24-59, Cl. 250-20.  
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Powelson, Roger V. N., to Sun Oil Co. Polymerization of olefins. 2,893,985, 7-7-59, Cl. 260-94.9.  
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Power, Basil D., to Edwards High Vacuum Ltd. Vapour vacuum pumps. 2,902,206, 9-1-59, Cl. 230-45.  
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Gardiner, John A. 2,895,297.  
Hodge, Ronald I. 2,895,293.  
Johnson, William E. P. 2,871,656.  
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Nickola, Leonard W. 2,880,513.  
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Anander, Andrew K. 2,910,265.  
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Powers, Robert P., to The Firestone Tire & Rubber Co. Tubeless tire and rim therefor. 2,868,261, 1-13-59, Cl. 152-396.  
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Powers, Walter P., to C. Todd, trustee. Self-centering coiled stock reel. 2,877,962, 3-17-59, Cl. 242-110.2.  
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Powley, Rex H., to Skinner Corp. Packaged and sterilized milk-like product and process. 2,910,364, 10-27-59, Cl. 99-125.  
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Poynter, Cyril E., to Weatherley Oilgear Ltd. Broaching machines. 2,893,293, 7-7-59, Cl. 90-33.  
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Praeg, Walter S., to National Broach & Machine Co. Machine for producing blended curved surfaces on the longitudinally tapered, curved leading edges of blades used in jet engines and the like. 2,905,062, 9-22-59, Cl. 90-24.3.  
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Praeg, Walter S., and A. B. Bassoff, to National Broach & Machine Co. Gear finishing machine. 2,887,014, 5-19-59, Cl. 90-1.6.  
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Precision Valve Corp.: See—  
Focht, John R. 2,906,011.  
Focht, John R. 2,906,440.  
Precision Welder & Machine Co.: See—  
Mecklenborg, Lawrence W. 2,892,921.  
Preco Inc.: See—  
Beemer, Paul K. 2,893,253.  
Beemer, Paul K., Anderson, and Burney. 2,903,864.  
Cole, Donald D. 2,904,911.  
Olson, Edgar W. 2,905,878.  
Shea, Reelford P., and Raudenbush. 2,893,134.  
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Precoplo, Frank M., and A. R. Gilbert, to General Electric Co. Curable polyethylene composition comprising a peroxide containing tertiary carbon atoms, and a filler, and process of curing same. 2,888,424, 5-26-59, Cl. 260-41.  
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Preece, George E.: See—  
Halford, Frank R., Cleaver, and Preece. 2,887,456.  
Preinsinger, Milos. Building or construction blocks. 2,881,614, 4-14-59, Cl. 72-42.  
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Preis, Georg. Device for finishing rolling of cylinders. 2,916,800, 12-15-59, Cl. 29-33.  
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Hood, James C., Jr., and Preisler. 2,892,503.  
Preisler, Herman S. Cathodic protection system and electrode holder. 2,910,420, 10-27-59, Cl. 204-196.  
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Preisig, Richard W. Valve having alternative closing positions and a reversible, double faced valve element. 2,911,995, 11-10-59, Cl. 137-329.02.  
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Armstrong, Jack W., and Preiss. 2,886,524.  
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- Prel, Francis R., and J. S. Sims, Jr., to United Aircraft Corp. Signal limiting means for synchronizer. 2,878,426, 3-17-59, Cl. 317-6.
- Preload Co., Inc. See—  
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Dobell, Curzon. 2,887,762.
- Premier Furnace Co. See—  
Wallerstedt, Richard J. 2,909,982.
- Premier Materials Co. See—  
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- Premier Research Laboratories, Inc. See—  
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- Premo, Ellis J., to General Motors Corp. Automotive fender air duct structures. 2,888,274, 5-26-59, Cl. 280-152.
- Premo, Marvin C. See—  
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- Premoshis, Robert T. Electrical outlet. 2,908,743, 10-13-59, Cl. 174-53.
- Prendergast, Frank L., and N. Krasney, to Northrop Aircraft, Inc. Bi-directional incremental motion stepper motor. 2,881,621, 4-14-59, Cl. 74-126.
- Prendergast, John R. See—  
Toepfer, Walter J., and Prendergast. 2,909,004.
- Prendergast, William L. See—  
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- Prentk, Joseph. Power operated lifter. 2,873,772, 2-17-59, Cl. 141-147.
- Prentice, Allan L., to American Brake Shoe Co. Brake shoe keys. 2,873,825, 2-17-59, Cl. 188-243.
- Prentice, G. E. Mfg. Co., The. See—  
Legat, Robert C. 2,916,786.
- Prentice, Thomas H. Apparatus for applying adhesive to wood veneer. 2,899,927, 8-18-59, Cl. 118-102.
- Prentiss, Kenneth R. See—  
Geisler, Henry A., and Prentiss. 2,876,069.
- Prentiss, Spencer S., to Phillips Petroleum Co. Apparatus for measuring low pressure. 2,914,948, 12-1-59, Cl. 73-398.
- Prentiss, Spencer S., to Phillips Petroleum Co. Recovery of hydrocarbon from oil shale adjoining a permeable oil-bearing stratum. 2,917,296, 12-15-59, Cl. 262-3.
- Prenville, Donald E. Retractable garment hanger for sliding door closets. 2,915,197, 12-1-59, Cl. 211-170.
- Presby, Edward P. See—  
Hurat, Leonard T., and Presby. 2,900,710.
- Prescolite Mfg. Corp. See—  
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- Prescon Corp., The. See—  
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- Prescott, David B., to Cleveland Pneumatic Industries, Inc. Shock absorber and pressure sensitive metering device therefor. 2,919,127, 12-29-59, Cl. 267-64.
- Prescott, Ford L., and E. A. Hulbert, to Continental Aviation & Engineering Corp. Internal combustion engines. 2,911,964, 11-10-59, Cl. 123-41.65.
- Prescott, Frank R., to Pittsburgh Plate Glass Co. Sealing means for glazing unit. 2,887,737, 5-26-59, Cl. 20-56.5.
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- Prescott, Frank R., and W. R. Bauer, to Pittsburgh Plate Glass Co. Sealing means for glazing unit. 2,887,738, 5-26-59, Cl. 20-56.5.
- Prescott, Henry J. Filter heads. 2,886,177, 5-12-59, Cl. 210-292.
- Prescott, Herbert L. See—  
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- Prescott, Merton W. Printing attachment for paper dispenser. 2,913,971, 12-8-59, Cl. 101-213.
- Preskitt, Stanley V. See—  
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- Preskitt, Stanley V., to American Meter Co., Inc. Force amplifier. 2,912,868, 11-17-59, Cl. 74-25.
- Presler, James L., to Corson Brothers, Inc. Rotary scatterer. 2,886,334, 5-12-59, Cl. 275-8.
- Presnal, Allister L. See—  
Greenwood, Marvin H., and Presnal. 2,888,025.
- Presnick, Michael C. Trellis construction. 2,917,868, 12-22-59, Cl. 47-47.
- Presray Corp., The. See—  
Hollander, Louis P., and Schroth. 2,894,780.
- Press, John E. See—  
Olson, Raymond J., and Press. 2,917,783.
- Press, Meyer, to Hazeltine Research, Inc. High-frequency wave-signal tuning device. 2,910,658, 10-27-59, Cl. 333-82.
- Pressan, Jean P. See—  
Joyner, Powell A., and Pressan. 2,882,414.
- Pressau, Jean P., to Callery Chemical Co. Radiation dosimeter color standard. 2,882,415, 4-14-59, Cl. 250-83.
- Pressed Steel Co. Ltd. See—  
Jones, Stanley O. 2,895,224.
- Pressed Steel Tank Co. See—  
Johnson, Roy R. 2,872,068.
- Presser, Lelser. Automatic window cleaner. 2,885,708, 5-12-59, Cl. 15-250.4.
- Pressley, Frederick W., to United States of America, Atomic Energy Commission. Tapered defining slot. 2,903,586, 9-8-59, Cl. 250-41.9.
- Pressler, Harry B. Garment hangers. 2,877,940, 3-17-59, Cl. 223-88.
- Pressley, Vivienne M. Diaper holder. 2,893,393, 7-7-59, Cl. 128-287.
- Pressly, Roscoe S., to United States of America, Atomic Energy Commission. Separation of americium from promethium. 2,893,827, 7-7-59, Cl. 23-14.5.
- Pressman, Donald. See—  
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- Pressman, Joel J. Combined dry shaver and oral instrument. 2,878,499, 3-24-59, Cl. 15-22.
- Pressman, Ralph. See—  
Spaulding, Spencer W., and Pressman. 2,886,241.
- Pressner, Samuel. Brightening compositions. 2,915,472, 12-1-59, Cl. 252-153.
- Presson, David, to Century Sportswear Co., Inc. Reversible, knife-pleated skirt of the wrap-around type. 2,898,601, 8-11-59, Cl. 2-211.
- Pressure Dispensers, Inc. See—  
Collins, Leonard M. 2,869,764.  
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- Pressure Products Industries, Inc. See—  
Wolf, Robert C., and Bowen. 2,873,878.
- Pressure Services, Inc. See—  
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- Prest, Robert J., to Technical Operations, Inc. Radiographic device. 2,916,628, 12-8-59, Cl. 250-106.
- Presto Lock Co. See—  
Gumport, Alfred G. 2,897,666.
- Prestole Corp. See—  
Garman, Donald F. 2,899,729.  
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- Preston, Albert E. See—  
Gardner, Roland M., Yeo, and Preston. 2,880,494.
- Preston, Grace D. Keycase for retractable keys. 2,908,156, 10-13-59, Cl. 70-456.
- Preston, Iris W. See—  
Lloyd, Arthur J., and Preston. 2,897,111.
- Preston, John. See—  
Olson, Harry F., and Preston. 2,870,856.
- Preston, John M., to General Mills, Inc. Bleaching and color stabilization of fatty acids and related materials. 2,876,174, 3-3-59, Cl. 202-57.
- Preston, Martin S. Remote control actuating devices. 2,901,914, 9-1-59, Cl. 74-216.3.
- Preston, Neil D., to General Railway Signal Co. Check-in and check-out block signaling system using regular track circuits. 2,895,043, 7-14-59, Cl. 246-41.
- Preston, Neil D., to General Railway Signal Co. Multiple station code communication system. 2,907,980, 10-6-59, Cl. 340-163.
- Preston, Neil D., and F. B. Hitchcock, to General Railway Signal Co. Switch and signal control system for railroads. 2,914,662, 11-24-59, Cl. 246-5.
- Preston Street Combining Co. Ltd. See—  
Twitcheil, Herman P. 2,902,724.
- Prestressing, Inc. See—  
Brandt, Fred H. 2,867,884.
- Prete, Ernest, Jr. See—  
Elmer, Edwin C., and Prete. 2,867,876.
- Prete, Ernest, Jr., to G. D. Brown. Strap fastening and tensioning device. 2,889,136, 6-2-59, Cl. 254-164.
- Prete, Ernest, Jr., to Gordon D. Brown. Quick release buckle. 2,901,794, 9-1-59, Cl. 24-75.
- Pretka, Frank. See—  
Cunningham, George L., and Pretka. 2,894,975.
- Pretka, John E. See—  
Katz, Leon, Helm, Pretka, and Long. 2,913,450.  
Long, Robert S., and Pretka. 2,915,534.
- Pretorius, Yarl. Fishing lure. 2,869,279, 1-20-59, Cl. 43-42.6.
- Preuss, Albert F., Jr. See—  
Frisch, Norman W., and Preuss. 2,906,714.
- Preusser, Henry M. See—  
Baxter, Gene F., Schoening, and Preusser. 2,878,197.
- Previc, Edward P. See—  
Hotelling, Eric B., Neuworth, and Previc. 2,882,319.
- Previte, Matilde. Sanitary replaceable toilet seat cover. 2,903,713, 9-15-59, Cl. 4-242.
- Prevost, Bruno E., to John W. Bolton & Sons, Inc. Jordan plug body. 2,871,769, 2-3-59, Cl. 92-27.
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- Preway, Inc. See—  
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Nelson, Averd G. 2,918,916.  
Nelson, Willis N., and Pavlak. 2,883,978.
- Pril, Gerard. Envelopes. 2,872,099, 2-3-59, Cl. 229-73.
- Pribble, Noble F., to Bendix Aviation Corp. Acceleration control for fuel injector. 2,911,966, 11-10-59, Cl. 123-119.

- Pribis, Herman K. Stand for pistols. 2,877,689, 3-17-59, Cl. 89-37.
- Pribonic, John F. See—  
Jackson, George W., and Pribonic. 2,904,330.  
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- Pribyl, Frank V. Semi-automatic boat baller. 2,888,897, 6-2-59, Cl. 114-185.
- Price, Alice L. Rain bonnet. 2,903,705, 9-15-59, Cl. 2-207.
- Price, Berry G., to Tuboscope Co. Means for handling pipe protectors. 2,880,499, 4-7-59, Cl. 29-236.
- Price, Berry G., to Tuboscope Co. Tubing calliper. 2,915,830, 12-8-59, Cl. 33-178.
- Price, Berry G., J. H. Unger, and F. M. Wood, to Tuboscope Co. Methods and apparatus for inspecting ferromagnetic members. 2,878,446, 3-17-59, Cl. 324-37.
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- Price, Berry G., F. M. Wood, and J. H. Unger, to Tuboscope Co. Measuring instruments. 2,908,085, 10-13-59, Cl. 33-178.
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- Price Brothers Co. See—  
Wyson, Donald G. 2,875,988.
- Price, Carl E. See—  
McEwen, Robert L., Raleigh, and Price. 2,875,102.  
McEwen, Robert L., Raleigh, and Price. 2,912,297.
- Price, Carl R. Beam clip and suspension device. 2,868,490, 1-13-59, Cl. 248-228.
- Price, Charles C. See—  
Brennan, James A., and Price. 2,881,061.
- Price, Charles C., to Hercules Powder Co. Preparation of oxetane polymers. 2,895,921, 7-21-59, Cl. 260-2.
- Price, Clarence A., and W. L. Rupp, to Hoover Ball & Bearing Co. Ball cock. 2,869,571, 1-20-59, Cl. 137-215.
- Price, Clarence A., E. Fischer, and R. J. Schultz, to Bradson Mfg. Corp. Valve assembly. 2,901,186, 8-25-59, Cl. 230-538.
- Price, Donald A., Sr., to American Brake Shoe Co. Conveyor flights. 2,889,916, 6-9-59, Cl. 198-176.
- Price, Earl R. See—  
Schock, Walter E., Prather, and Price. 2,911,264.
- Price, Earl R., to Bendix Aviation Corp. Automatic braking system. 2,871,064, 1-27-59, Cl. 303-31.
- Price, Earl R., to Bendix Aviation Corp. Power-assisted actuator. 2,871,828, 2-3-59, Cl. 121-41.
- Price, Earl R., to Bendix Aviation Corp. Combined hydraulic system for power steering and power brakes. 2,875,843, 3-3-59, Cl. 180-79.2.
- Price, Earl R., to Bendix Aviation Corp. Power booster valve construction. 2,880,704, 4-7-59, Cl. 121-41.
- Price, Earl R., to Bendix Aviation Corp. Servo-motor having chatter eliminating means. 2,880,706, 4-7-59, Cl. 121-41.
- Price, Earl R., to Bendix Aviation Corp. Trailer synchronizing valve. 2,897,633, 8-4-59, Cl. 60-97.
- Price, Earl R., to Bendix Aviation Corp. Fluid pressure servo-motor. 2,902,006, 9-1-59, Cl. 121-38.
- Price, Earl R., and E. E. Hupp, to Bendix Aviation Corp. Power-assisted actuator. 2,902,008, 9-1-59, Cl. 121-41.
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- Price, Edgar D. See—  
Pink, Israel J., and Price. 2,883,890.
- Price, Edgar E., to J. R. Forman and Co. to D. C. Glassie. Stereo-optical system. 2,895,374, 7-21-59, Cl. 88-16.6.
- Price, Frank B. See—  
Bruniche-Olsen, Henning A., Wright, Price, Steele, and Silver. 2,885,311.
- Price, George A. Combined air conditioner and fuel systems for automotive vehicles. 2,908,143, 10-13-59, Cl. 62-7.
- Price, George E., to Westinghouse Electric Corp. Oven heating apparatus. 2,872,558, 2-3-59, Cl. 219-35.
- Price, Harold E. See—  
Earnshaw, Frederick M., and Price. 2,885,541.
- Price, James H., and J. E. Clayton. Brick cleaning machine. 2,901,868, 9-1-59, Cl. 51-80.
- Price, Joel S. Telescoping irrigation apparatus. 2,896,858, 7-28-59, Cl. 239-212.
- Price, Joel S. Irrigation apparatus. 2,896,859, 7-28-59, Cl. 239-213.
- Price, John A., to American Cyanamid Co. Copolymers of a dialkyl amine oxide and a monovinylidene compound and oriented fiber thereof. 2,871,229, 1-27-59, Cl. 260-85.5.
- Price, John A., to American Cyanamid Co. Copolymer of acrylonitrile, a quaternary ammonium compound and at least one additional comonomer. 2,883,370, 4-21-59, Cl. 260-80.3.
- Price, John A., to American Cyanamid Co. Copolymer of acrylonitrile and a quaternary imidazolium compound, method of making same, and a spinning solution thereof. 2,891,025, 6-16-59, Cl. 260-29.6.
- Price, John A., and J. J. Padbury, to American Cyanamid Co. Preparation of an acrylonitrile-methyl acrylate-methyl vinylpyridine ternary polymer. 2,891,025, 6-16-59, Cl. 260-45.5.
- Price, Joseph C. Lubricator for slideways. 2,891,271, 6-23-59, Cl. 15-131.05.
- Price, Kenneth E., and H. G. Luther, to Chas. Pfizer & Co., Inc. Antibacterial compositions comprising a tetracycline type antibiotic and an alkyl phenoxyethoxyethyl dialkylbenzyl ammonium salt. 2,907,693, 10-6-59, Cl. 167-65.
- Price, Peter R., to G. E. B. Abell, and to D. W. Tilley. Display apparatus to allow examination of a fast-moving continuous web. 2,871,012, 1-27-59, Cl. 271-23.
- Price, Ralph E., to Gardner Machine Co. Surface grinding machine. 2,871,625, 2-3-59, Cl. 51-118.
- Price, Ralph E., to Gardner Machine Co. Positioning abrasive discs for dressing. 2,882,651, 4-21-59, Cl. 51-118.
- Price, Ralph E., to Gardner Machine Co. Rotary work carriers for disc grinders. 2,899,779, 8-18-59, Cl. 51-118.
- Price, Ralph E., and C. F. Hurr, to Gardner Machine Co. Size and alignment control means. 2,882,650, 4-21-59, Cl. 51-112.
- Price, Richard T. See—  
Lewin, Seymour Z., Schapiro, and Price. 2,880,139.
- Price, Robert J. Transistor-saturable reactor relay with over-frequency cutout. 2,894,180, 7-7-59, Cl. 317-148.
- Price, Robert J. Blocking oscillator. 2,896,080, 7-21-59, Cl. 250-27.
- Price, Russell W. Hospital drain bag. 2,886,036, 5-12-59, Cl. 128-275.
- Price, Thomas D., and A. V. Henrickson, to United States of America, Atomic Energy Commission. Improved processes for recovering and purifying uranium. 2,886,409, 5-12-59, Cl. 23-14.5.
- Price, William G. Method and apparatus for measuring magnetic fields. 2,914,727, 11-24-59, Cl. 324-43.
- Price, William H., to Parke, Davis & Co. Process for the production of alkali metal estrone sulfate salts. 2,917,522, 12-15-59, Cl. 260-397.4.
- Prichard, John H. See—  
Kinney, Paul W., and Prichard. 2,883,299.
- Prichard, John H., F. J. Rielly, and F. Brown, to Celanese Corp. of America. Magnetic recording tape. 2,883,301, 4-21-59, Cl. 117-7.
- Prichard, John S., to United States of America, Navy. Step-varied R-F tuner. 2,918,637, 12-22-59, Cl. 333-82.
- Prichard, William K. Reversible ratchet wrench with handle extension means. 2,869,410, 1-20-59, Cl. 81-177.
- Prichard, William W., to E. I. du Pont de Nemours & Co. Butadiene-cobalt carbonyl hydride adduct. Re. 2,653, 5-26-59, Cl. 260-439.
- Prickett, Alfred D., to Joseph Lucas (Industries) Ltd. Electromagnetic switches. 2,911,497, 11-3-59, Cl. 200-95.
- Pride, George H., to Acme Steel Co. Container for granular materials. 2,907,508, 10-6-59, Cl. 229-4.5.
- Pridy, Whetstone B. Combination potato digger and sorter. 2,896,728, 7-28-59, Cl. 171-130.
- Priem, Martin E. Grill. 2,884,849, 5-5-59, Cl. 99-444.
- Prier, William A. Dual outboard motor steering rig. 2,899,833, 8-18-59, Cl. 74-471.
- Pries, Rinehard, and H. J. Moors, to The Gene Olsen Corp. Rack unloader. 2,917,191, 12-15-59, Cl. 214-16.4.
- Priesmeyer, Charles, to Meyer & Wenthe, Inc. Seal press support and die and method for forming the latter. 2,906,197, 9-29-59, Cl. 101-28.
- Priesmeyer, Charles, to Meyer-Wenthe, Inc. Die stamp. 2,909,817, 10-27-59, Cl. 22-67.
- Priesnitz, Frederick J. See—  
Haworth, Russell G., Fleming, Priesnitz, and McLaughlin. 2,916,274.
- Priest, Dwight E. See—  
La Pointe, Gabriel M., and Priest. 2,902,071.
- Priest, Gerald G. See—  
Birdwell, Bertie F., Priest, and Morgan. 2,894,584.
- Priest, Gerald G., B. E. Morgan, M. L. Lytle, J. A. Caldwell, and B. F. Birdwell, to Jersey Production Research Co. Well completion fluids. 2,898,294, 8-4-59, Cl. 252-8.55.
- Priester, Amos U., Jr., to Callaway Mills Co. Tufted fabric with bias fabric backing and process for producing the same. 2,910,762, 11-3-59, Cl. 28-72.
- Priestly, Frank P. Heated wire-cutting device. 2,916,595, 12-8-59, Cl. 219-29.
- Priestman, Bewley D. See—  
Cockburn, Stanley D., Leslie, Priestman, and Ragsdale. 2,871,049.
- Priestman Brothers Ltd. See—  
Richardson, Bert, and Brocklebank. 2,908,069.
- Priett, Franz. Process of producing crystals from particles of crystallizable substance distributed in a liquid. 2,876,083, 3-3-59, Cl. 23-295.
- Prieto, Fernando G. Guns. 2,907,250, 10-6-59, Cl. 89-8.
- Prietzsch, Artur. See—  
Linsert, Friedrich, and Prietzsch. 2,889,463.
- Priftis, Sidaire. See—  
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- Prigg, William B., Jr. Evaporation fish feeder. 2,905,144, 9-22-59, Cl. 119-5.
- Prill, Erhard J., to Monsanto Chemical Co. Chlorinated ketone synthesis. 2,879,296, 3-24-59, Cl. 260-591.



- Prill, Erhard J., to Monsanto Chemical Co. Process for producing monochloroacetyl chloride by chlorinating ketene in sulfur dioxide. 2,889,365, 6-2-59, Cl. 260-544.
- Prill, Erhard J., to Monsanto Chemical Co. Preparation of vinylidene chlorofluoride. 2,894,043, 7-7-59, Cl. 260-553.5.
- Prill, Erhard J., to Monsanto Chemical Co. Preparation of 1,1-dichloro-1-fluoroethane. 2,894,044, 7-7-59, Cl. 260-553.7.
- Prill, Erhard J., to Monsanto Chemical Co. Oxatriacyclo-decenes. 2,904,558, 9-15-59, Cl. 260-346.2.
- Prill, Erhard J., and M. Kosmin, to Monsanto Chemical Co. Preparation of diaryl ketones. 2,879,297, 3-24-59, Cl. 260-591.
- Prime Mfg. Co., The: See—  
Antell, Joseph C. 2,875,455.  
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- Printon, Jane M.: See—  
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- Printy, Helen C.: See—  
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- Pritchard, James E., to Phillips Petroleum Co. Polyfunctional polymeric products. 2,888,436, 5-26-59, Cl. 260-73.
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- Proctor, Barton A., to Proctor Dictating Machine Corp. Sound recording and reproducing apparatus. 2,911,161, 11-3-59, Cl. 242-55.12.
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- Proctor Counter Co., The: See—  
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- Martin, Howard B., and D. W. J. 2,911,933.
- Rothfuchs, Oscar E., and Hartwig. 2,906,012.
- Rothfuchs, Oscar E., and Hess. 2,910,018.
- Shaver, William R., and Arentze. 2,918,707.
- Swanner, John L. 2,902,918.
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- Adler, Franklin P. 2,892,421.
- Bock, George E., and Spence. 2,870,723.
- Candlin, James E., Jr. 2,874,647.
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- Candlin, James E., Jr., Lanman, and Van der Sluys. 2,910,014.
- Candlin, James E., Jr., and Swanner. 2,883,069.
- Fall, Wilfrid. 2,868,101.
- Fall, Wilfrid. 2,875,811.
- Gutridge, Jack E. 2,870,724.
- Haman, Ralph W. 2,891,488.
- Logmann, Arthur A., and Hess. 2,872,729.
- Peterson, Hartin F. 2,902,917.
- Peterson, William H. 2,885,972.
- Pruckner, Ernest G. 2,892,252.
- Shaver, Raymond M., and Adler. 2,885,971.
- Shaver, Raymond M. 2,900,055.
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- Pulp and Paper Research Institute of Canada: See—  
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- Pulver, Robert, to Gelgy Chemical Corp. Process for the production of high molecular earth alkali metal complex compounds. 2,901,474, 8-25-59, Cl. 260-209.5.
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- Pundyk, Bernard, and F. Meer. Prefabricated garment construction. 2,892,196, 6-30-59, Cl. 2-243.
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- Punturi, Albert: See—  
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- Punzmann, Carl: See—  
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- Puppello, Henry F., to Sprague Electric Co. Polytetrafluoroethylene suspensions and method of coating wire with same. 2,919,213, 12-29-59, Cl. 117-224.
- Purcell, Howard M., to Koehring Co. Fluid pump having pump pistons and means for collapsing the pump pistons. 2,913,994, 11-24-59, Cl. 103-162.
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- Purcell, Joseph J., to International Business Machines Corp. Packaging means for an endless tape. 2,885,072, 5-5-59, Cl. 206-59.
- Purcell, William F. H.: See—  
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- Purchas, William J., Jr., to General Motors Corp. Journal bearing assembly. 2,897,020, 7-28-59, Cl. 308-88.
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- Purdy, Frederick A. Door-operators and controls. 2,902,276, 9-1-59, Cl. 268-1.
- Purdy, James A.: See—  
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- Pure Oil Co., The: See—  
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- Annable, Weldon G., and Jacobs. 2,868,524.
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- Ayers, George W., and Geerts. 2,875,170.
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- Bernard, George G. 2,894,905.
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- Braunwarth, John B., and Crosby. 2,875,240.
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- Hutchings, Le Roi E. 2,878,163.
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- Marsh, Glenn A., Ellison, and Schaschl. 2,912,645.
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- Martinek, Thomas W. 2,891,010.
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- Miller, Elmer L., and Folkins. 2,918,509.
- Millikan, Allen F., and Crosby. 2,894,951.
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- Porter, Charles A., Samuelson, and Holm. 2,889,262.
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- Sayers, Winston, and Wangelin. 2,902,857.
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- Talley, Walter J. 2,885,241.
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- Winstead, Wade T. 2,882,572.
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- Purex Corp., Ltd.: See—  
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- Purgason, Billie L.: See—  
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- Puritan Compressed Gas Co.: See—  
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- Scavuzzo, William J., and Romeo. 2,878,936.
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- Pursglove, Laurence A., to The Dow Chemical Co. Hydrolytic decyanoethylation of N,N-bis (2-cyanoethyl) amide compounds. 2,885,435, 5-5-59, Cl. 260-518.
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- Putkovich, Rudy P., and G. J. Thompson, to Westinghouse Electric Corp. Direct current voltage regulator. 2,897,433, 7-28-59, Cl. 323-100.
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- Putman, Maurice W., to United States of America, Interior. Process for destructive distillation of hydrocarbonaceous materials. 2,901,402, 8-25-59, Cl. 202-6.
- Putman, Stearns T., to Hercules Powder Co. Methylated rosins in emulsion polymerization. 2,891,024, 6-16-59, Cl. 260-27.
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- Putnam, Robert C., and S. I. Hayes, Jr., to United Shoe Machinery Corp. Synthetic tannins from sulfomethylated yacca gum and process of tanning therewith. 2,872,278, 2-3-59, Cl. 8-94.32.
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- Putnocky, Joseph G., Jr. Magnetic governor-controlled constant-speed motor. 2,900,589, 8-18-59, Cl. 318-254.
- Putnam, Nelson E., to General Motors Corp. Spring clip. 2,894,771, 7-14-59, Cl. 287-20.5.
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- Pyle National Co., The: See—  
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- Pyne, Roger S., and A. H. Tompkins, to Van Norman Industries, Inc. Work rest for a centerless grinder. 2,897,636, 8-4-59, Cl. 51-103.
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- Quaker Chemical Products Corp.: See—  
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- Quarnstrom, Ivar T., to Detroit Mold Engineering Co. Plastic mold base. 2,874,409, 2-24-59, Cl. 18-42.
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- Quate, Calvin F., to Bell Telephone Laboratories, Inc. Low noise travelling wave tubes. 2,908,844, 10-13-59, Cl. 315-3.6.
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- Quayle, George F., to The Yale & Towne Mfg. Co. Hydraulic drive for industrial truck. 2,904,957, 9-22-59, Cl. 60-19.
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- Quetlin, Emmanuel. Lighting apparatus for dental surgeries. 2,896,066, 7-21-59, Cl. 240-1.4.
- Quick, Carl F.: See—  
Billman, Gerald C., and Quick. 2,863,912.
- Quick, Carl F., and L. B. Rice, to Rohr Aircraft Corp. Drill jig. 2,898,785, 8-11-59, Cl. 77-62.
- Quick, Lester K. Liquid level control in refrigeration system. 2,892,320, 6-30-59, Cl. 62-196.
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- Quick Manufacturing, Inc.: See—  
Kaiser, Arthur L. 2,894,412.
- Quick, Thomas E. Fluid moving means. 2,900,125, 8-18-59, Cl. 230-117.
- Quick, Thomas E. Propulsion device. 2,913,055, 11-17-59, Cl. 170-135.
- Quick-Mount Mfg. Co., Inc., The: See—  
Grashow, Joseph. 2,917,743.
- Quick-N-Easy Products, Ltd.: See—  
Ellingson, La Verne O. 2,887,237.  
Ellingson, La Verne O. 2,896,831.
- Quick Point Pencil Co., Inc.: See—  
Scobel, Ben. 2,882,172.
- Quick-Set, Inc.: See—  
Mooney, Raymond. 2,919,093.
- Quigg, Donald J., to Phillips Petroleum Co. Separation by crystallization. 2,890,239, 6-9-59, Cl. 260-475.

- Quigley, Fred K., Jr., and H. A. Walters, to The Dow Chemical Co. Coated iron and method and compositions for preparing the same. 2,873,215, 2-10-59, Cl. 117-132.
- Quigley, Fred K., Jr., and H. A. Walters, to The Dow Chemical Co. Tank lining. 2,918,194, 12-22-59, Cl. 220-64.
- Quigley, Henry C., and D. W. Smith, to E. I. du Pont de Nemours and Co. Furnace seal. 2,879,314, 3-24-59, Cl. 13-33.
- Quill, Laurence L.: See—  
Birdwhistell, Ralph K., Ulmer, and Quill. 2,876,179.
- Quilter, John R. C. Quick-release device for body harness. 2,892,232, 6-30-59, Cl. 24-205.17.
- Quinby, Charles E., to Holley Carburetor Co. Automotive vapor fuel control. 2,884,917, 5-5-59, Cl. 123-133.
- Quincey, Edward: See—  
Carlsen, Leonard O., Krastel, and Quincey. 2,882,685.
- Quinche, Albert: See—  
Lecluyse, Edouard, Dewey, and Quinche. 2,913,768.
- Quinche, Albert, to American Can Co. Device for adapting a tubular blank to a shaping mandrel. 2,890,482, 6-16-59, Cl. 18-1.
- Quinche, Albert, and E. Lecluyse, to Bradley Container Corp. Rotary injection molding machine for plastic collapsible tubes. 2,883,706, 4-25-59, Cl. 18-30.
- Quinche, Albert, and E. Lecluyse, to American Can Co. Syringe. 2,911,971, 11-10-59, Cl. 128-216.
- Quine, John P., to United States of America, Air Force. Measuring device for coaxial cables. 2,881,389, 4-7-59, Cl. 324-58.
- Quinlan, Amos L.: See—  
Johnson, Kenneth F., and Quinlan. 2,871,337.
- Quinlan, Amos L., to Western Electric Co., Inc. Percussion welding gun for welding wires to articles. 2,874,264, 2-17-59, Cl. 219-95.
- Quinlan, Amos L., to Western Electric Co., Inc. Low voltage percussion welding gun. 2,878,862, 3-17-59, Cl. 219-78.
- Quinlan, Amos L., to Western Electric Co., Inc. Safety devices for electrical apparatus. 2,895,083, 7-14-59, Cl. 317-9.
- Quinlan, Donald E., to Allen B. Du Mont Laboratories, Inc. Gamma correction circuit. 2,904,642, 9-15-59, Cl. 179-171.
- Quinlan, Joseph A., to Westinghouse Air Brake Co. Detector track circuit apparatus. 2,881,308, 4-7-59, Cl. 246-41.
- Quinn, Bernard J.: See—  
Brennan, Edward L., Quinn, Sellers, and Wagner. 2,899,467.
- Quinn, Bert A., to Ideal Brass Works, Inc. Method of making hinges having locked-in bushings. 2,869,219, 1-20-59, Cl. 29-149.5.
- Quinn, Bert A. Pneumatic door closer device. 2,913,757, 11-24-59, Cl. 16-66.
- Quinn, Clark E.: See—  
Habsburg-Lothringen, Stefan, and Quinn. 2,912,675.
- Quinn, Edward: See—  
MacKenzie, Fred T., and Quinn. 2,910,787.
- Quinn, Edward, to United Shoe Machinery Corp. Shoe counter handling mechanisms. 2,868,164, 1-13-59, Cl. 118-421.
- Quinn, Edward, to United Shoe Machinery Corp. Tack supplying mechanisms. 2,878,474, 3-24-59, Cl. 1-6.
- Quinn, Edward, to United Shoe Machinery Corp. Methods of making platform shoes, the parts of which are united by a reinforced seam. 2,900,649, 8-25-59, Cl. 12-142.
- Quinn, Edward, to United Shoe Machinery Corp. Chain stitch sewing machines. 2,905,118, 9-22-59, Cl. 112-34.
- Quinn, Edward, to United Shoe Machinery Corp. Methods of sewing slip-lasted shoes. 2,905,122, 9-22-59, Cl. 112-262.
- Quinn, Edward, to United Shoe Machinery Corp. Clutch control mechanisms. 2,907,424, 10-6-59, Cl. 192-24.
- Quinn, Edward, to United Shoe Machinery Corp. Machines and methods for inserting cement bonded seams. 2,914,007, 11-24-59, Cl. 112-43.
- Quinn, Frank P., to American Steel Foundries. Snubbed truck. 2,880,680, 4-7-59, Cl. 105-224.
- Quinn, Frederic R., to Quinn & Kerns, Inc. Liquid sight gauge. 2,904,999, 9-22-59, Cl. 73-325.
- Quinn, Frederic R. Electric switch. 2,905,785, 9-22-59, Cl. 200-87.
- Quinn, James A., and J.: said J. A. Quinn assor. to said J. Quinn. Picker drive. 2,900,670, 8-25-59, Cl. 19-70.
- Quinn, James L., and J. K. Duncan, to Cummins-Chicago Corp. Electrical control system for business machine card apparatus. 2,903,133, 9-8-59, Cl. 209-88.
- Quinn, James L., and J. K. Duncan, to Cummins-Chicago Corp. Coin dispensing apparatus. 2,910,991, 11-3-59, Cl. 133-2.
- Quinn, Johnny: See—  
Quinn, James A., and J. 2,900,670.
- Quinn, Joseph G., to General Electric Co. Lamination stacking machine. 2,889,058, 6-2-59, Cl. 214-6.
- Quinn & Kerns, Inc.: See—  
Quinn, Frederic R. 2,904,999.
- Quinn, Patrick D.: See—  
Depew, Harlan A., Quinn, and Watkins. 2,868,673.
- Quint, David. Secured cap for toothpaste tubes and the like. 2,915,227, 12-1-59, Cl. 222-319.
- Quint, Sam. Car wallet for automobile drivers. 2,878,850, 3-24-59, Cl. 150-39.
- Quintas, Gladys P. Germicidal device for phones. 2,911,488, 11-3-59, Cl. 179-185.
- Quintilian, Bartholomew F., to Gerotor May Corp. of Maryland. Hydraulic pump or motor. 2,872,872, 2-10-59, Cl. 103-126.
- Quiquerez, Joseph: See—  
Gislon, Andre, Quiquerez, and Maurin. 2,886,521.
- Quiquerez, Joseph, and E. Welsang, to Societe Anonyme dite: Compagnie Francaise de Raffinage. Sweetening of hydrocarbons containing mercaptans and/or mercaptides with a chelate and oxygen. 2,918,426, 12-22-59, Cl. 208-206.
- Quirico, Joseph S.: See—  
Lethern, Albert A., and Quirico. 2,888,729.
- Quirk, Justin P., and M. Babunovic. Feeding mechanism for rotary cutting machines to profile articles from blanks. 2,906,305, 8-29-59, Cl. 144-143.
- Quirk, Thomas J., Jr. Portable indoor charcoal broiler. 2,904,030, 9-15-59, Cl. 126-25.
- Quiroz, Francisco A. Torque device for liquid control. 2,867,124, 1-6-59, Cl. 74-18.1.
- Quisenberry, Carter E., to American Machine & Foundry Co. Folding carriage or stroller. 2,886,337, 5-12-59, Cl. 280-36.
- Quisenberry, Carter E., to American Machine and Foundry Co. Electrically powered juvenile vehicle. 2,917,122, 12-15-59, Cl. 180-25.
- Quist, Harold A., to Sun Oil Co. Sampler for foam blanket covered liquids. 2,894,394, 7-14-59, Cl. 73-425.4.
- Quist, Harold A., to Sun Oil Co. Temperature corrected float gauge. 2,902,859, 9-8-59, Cl. 73-321.
- Quistgaard, Erik V.: See—  
Karlsson, Sven-Olof, and Quistgaard. 2,905,025.
- Quistgaard, Erik V., and S. O. Karlsson, to Aktiebolaget Volvo. Controlling means for hydraulic change speed gears. 2,912,874, 11-17-59, Cl. 74-472.
- Quitter, Gerhard, to Durkoppwerke Akt. Multiple-needle sewing machine. 2,871,810, 2-3-59, Cl. 112-221.
- Quoss, Henry N. Combined threshold and sealing strip. 2,913,782, 11-24-59, Cl. 20-64.
- R. C. Can Co.: See—  
Biedenstein, Vincent G. 2,887,253.
- R-E-B, Inc.: See—  
Bowers, Robert E. 2,895,044.
- RED-Gesellschaft m.b.H., Technik und Produkte: Cellulose, Chemie und Chemie der Kunststoffe: See—  
Eld, Egon, Dörr, Braun, Eilan, and Lepingle. 2,918,455.
- R J S Products Co., Inc.: See—  
Slezak, Raymond J. 2,898,445.
- RMR Corp.: See—  
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- R-N Corp.: See—  
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- Wienert, Fritz O. 2,880,083.
- R and R Metal Products, Inc.: See—  
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- RS Electronics Corp.: See—  
Hebert, Eugene J., Jr. 2,913,669.
- R T & E Corp.: See—  
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- R. and W. Construction Co., Inc.: See—  
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- R-W Mfg. Co., The: See—  
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- Raab, Andrew F., to Carter Parts Co. Switch. 2,901,574, 8-25-59, Cl. 200-114.
- Raab, Hans: See—  
Funke, Albert, and Raab. 2,899,420.
- Raab, Hans, and R. Hörnle, to Farbenfabriken Bayer Aktiengesellschaft. Process for the manufacture of finely dispersed water insoluble dyestuff pastes. 2,902,385, 9-1-59, Cl. 106-308.
- Raab, Karl: See—  
Brill, Fritz, and Raab. 2,881,713.
- Raab, Fritz, and Raab. 2,892,673.
- Raab, William J.: See—  
Whetstone, Richard R., Raab, and Hall. 2,867,646.
- Raabe, Carl W. Control mechanism for children's automobiles. 2,915,155, 12-1-59, Cl. 192-3.
- Rauch, Francis A., Sr. Filing separator with classification card holding means. 2,886,040, 5-12-59, Cl. 129-16.8.
- Raasch, Maynard S., to E. I. du Pont de Nemours and Co. Difluorobutenedioic acids, their alkali metal salts, their alkyl esters and anhydride, and process for preparing them. 2,891,968, 6-23-59, Cl. 260-346.8.
- Raasch, Maynard S., to E. I. du Pont de Nemours and Co. 1,2-Bis (alkylsulfonyl)-1,2-dihaloethylenes and fungicidal compositions comprising them. 2,893,911, 7-7-59, Cl. 167-22.
- Rabalt, Willy: See—  
Angst, Paul, and Rabalt. 2,870,534.
- Rabb, David D.: See—  
Kessler, Robert D., and Rabb. 2,897,045.
- Rabben, Ellis L., 10% to H. L. Gordon. Magnifying stereoscope. 2,889,743, 6-9-59, Cl. 88-29.
- Rabchuk, Alexander, to Kerr Mfg. Co. Dental impression material. 2,878,129, 3-17-59, Cl. 106-35.4.
- Rabe, Karl, and E. Forstner, to Dr. Ing. h. c. F. Porsche K.G. Tractor engine cooling and exhaust system. 2,901,052, 8-25-59, Cl. 180-54.
- Rabe, Rudolf. Centrifugally actuated friction drive device. 2,891,641, 6-23-59, Cl. 192-4.
- Rabe, Rudolf. Centrifugal clutch structure. 2,918,824, 12-29-59, Cl. 74-230.17.



- Rabelos, Nicholas A., 25% to J. L. Crawford. Convertible ladder. 2,909,236, 10-20-59, Cl. 182-26.
- Rabelow, Harold H., to Diagraph-Bradley Industries Inc. Fountain type applicator for ink or the like. 2,904,811, 9-22-59, Cl. 15-136.
- Raber, Anna S.: See—  
Raber, Christopher. 2,896,791.
- Raber, Christopher, deceased; A. S. Raber, executrix. Portable supports. 2,896,791, 7-28-59, Cl. 211-86.
- Raber, Peter W. Traction device. 2,904,094, 9-15-59, Cl. 152-216.
- Rabeux, Jean, and B. Masson, to Societe d'Applications Generales d'Electricite & de Mecanique. Loom. 2,893,439, 7-7-59, Cl. 139-13.
- Rabeux, Jean, and R. Jacob, to Societe d'Applications Generales d'Electricite & de Mecanique. Woven, lined tubular fabric and method and means for manufacturing same. 2,913,799, 11-24-59, Cl. 28-1.
- Rabler, Jean C., to Marquardt Aircraft Co. High speed multi-channel voltage indicator. 2,878,450, 3-17-59, Cl. 324-121.
- Rabler, Jean C., to Marquardt Aircraft Co. Regulated high voltage power supply. 2,886,761, 5-12-59, Cl. 321-19.
- Rabin, Charles. Trap net. 2,911,755, 11-10-59, Cl. 43-105.
- Rabin, Richard, and K. Merl, to Sperry Rand Corp. Ford Instrument Co. Division. High speed redundancy check generator. 2,906,997, 9-29-59, Cl. 340-149.
- Rabin, Stanley F.: See—  
Menkin, Benjamin D., Rabin, and Seisorek. 2,891,364.
- Rabinow, Jacob: See—  
Leitner, Richard G., and Rabinow. 2,914,610.
- Rabinow, Jacob, to United States of America, Army. Electrical arming mechanism for fuses. 2,889,777, 6-9-59, Cl. 102-70.2.
- Rabinow, Jacob. Noise discriminating, high gain automatic headlight dimmer. 2,892,124, 6-23-59, Cl. 315-83.
- Rabinow, Jacob, 15% to Max L. Libman. Differential pressure envelope printer. 2,901,969, 9-1-59, Cl. 101-93.
- Rabinow, Jacob. Stacker for mail sorters and the like. 2,904,335, 9-15-59, Cl. 271-88.
- Rabinow, Jacob, 15% to M. L. Libman. Code printing and sorting station for mail. 2,912,925, 11-17-59, Cl. 101-2.
- Rabinow, Jacob, to United States of America, Navy. Safety device. 2,912,933, 11-17-59, Cl. 102-70.2.
- Rabinow, Jacob, 15% to M. L. Libman. Photoelectrically actuated garage door opener. 2,914,709, 11-24-59, Cl. 317-124.
- Rabinow, Jacob, 15% to M. L. Libman. Servo arm for phonograph pickups. 2,915,315, 12-1-59, Cl. 274-13.
- Rabinow, Jacob. Automatic headlight dimmer with anti-oscillation circuit. 2,917,664, 12-15-59, Cl. 315-83.
- Rabinow, Jacob, and M. L. Libman. Single-track scanning type dimmer. 2,899,564, 8-11-59, Cl. 250-235.
- Rabinow, Jacob, and L. J. Kamm, said Rabinow assor. of 15% to M. L. Libman. Mechanical coding and sorting device. 2,901,089, 8-25-59, Cl. 198-38.
- Rabinow, Jacob, and W. B. McLean, to United States of America, Navy. Multiple point altimeter for use with toss bombing integrators. 2,911,573, 11-3-59, Cl. 317-149.
- Rabinow, Jacob, and L. M. Andrews, to United States of America, Navy. Inertia operated switch. 2,915,604, 12-1-59, Cl. 200-61.45.
- Rabinowitz, Albert. Foot protector. 2,896,339, 7-28-59, Cl. 36-10.
- Rabjon, Rodney R. Intermittent traction device. 2,910,061, 10-27-59, Cl. 128-70.
- Rabow, Gerald: See—  
Nashman, Alvin E., and Rabow. 2,875,334.
- Raboy, Bernard, to The Martin Co. Radar system. 2,873,443, 2-10-59, Cl. 343-16.
- Rabus, Willy. Protective device for high tension transmission lines. 2,881,357, 4-7-59, Cl. 315-36.
- Rabut, Eugene W., to The Udyllite Corp. Transfer apparatus. 2,874,820, 2-24-59, Cl. 198-25.
- Raby, Bruce A.: See—  
Hyde, Earl K., and Raby. 2,873,170.
- Raby, Claude H. Attachment for bulldozer moldboards. 2,896,343, 7-28-59, Cl. 37-98.
- Racca, Romolo H.: See—  
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- Race, Clarence F., to Motorola, Inc. Electrical connector. 2,874,205, 2-17-59, Cl. 174-52.
- Race, William J., to Motorola, Inc. Antenna. 2,880,265, 3-31-59, Cl. 174-152.
- Racek, Alfred, and J. Raganitsch. Pyrophoric igniting device. 2,912,841, 11-17-59, Cl. 67-20.1.
- Racely, Kermit L.: See—  
Oakes, Marvin E., and Racely. 2,906,524.
- Racheter, George R., and L. Alberts, to Rheem Mfg. Co. Adjustable broiler grill assembly. 2,876,695, 3-10-59, Cl. 99-423.
- Rachfal, Stanley J., to Carrier Corp. Gas compression apparatus. 2,888,809, 6-2-59, Cl. 62-196.
- Rachlin, Albert I.: See—  
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- Rachlin, Albert I., to Allied Chemical Corp. Surface-active sulfonated product. 2,898,370, 8-4-59, Cl. 260-505.
- Rachlin, Eva: See—  
Rachlin, Max. 2,890,664.
- Rachlin, Max, deceased; H. Pollock, and E. Rachlin, executives. Gutter and gutter support. 2,890,664, 6-16-59, Cl. 108-28.
- Racine, Armand J., to L. L. and W. L. Shorette. Combination cleaning device. 2,896,240, 7-28-59, Cl. 15-148.
- Racine Confectioners' Machinery Co.: See—  
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- Racine Hydraulics and Machinery, Inc.: See—  
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Miller, Harold G. 2,887,909.
- Racine Industrial Plant, Inc.: See—  
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- Racine, Roger R., to Protect-O-Matic Corp. Safety vehicle seat. 2,883,206, 4-21-59, Cl. 280-29.
- Rack, Alois J., to Bell Telephone Laboratories, Inc. Vocoder absorption modulation system. 2,892,892, 6-30-59, Cl. 179-15.55.
- Rack, George D.: See—  
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- Rack Specialists, Inc.: See—  
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- Racz, John P.: See—  
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- Raczynski, Andrew T., to Westinghouse Electric Corp. Cathode ray tube. 2,884,551, 4-28-59, Cl. 313-76.
- Raczynski, Walter J., and J. C. Worst, to General Electric Co. Drain pump system for laundry machines. 2,873,598, 2-17-59, Cl. 68-20.
- Raczynski, Walter J., and J. C. Worst, to General Electric Co. Drain means for clothes washer. 2,900,080, 8-18-59, Cl. 210-171.
- Rada, Frank J., and K. R. Fowman, to General Motors Corp. Conveyor belt structure. 2,870,902, 1-27-59, Cl. 198-181.
- Rada Products Co.: See—  
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- Radar Kelay, Inc.: See—  
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- Radcliffe, Arthur J., Jr., to International Telephone and Telegraph Corp. Multichannel telephone carrier system. 2,871,293, 1-27-59, Cl. 179-15.
- Radcliffe, Arthur J., Jr., to International Telephone and Telegraph Corp. Negative-impedance repeater using a transistor amplifier. 2,904,641, 9-15-59, Cl. 179-170.
- Radcliffe, Arthur J., Jr., to International Telephone and Telegraph Corp. Transistor test set. 2,907,954, 10-6-59, Cl. 324-158.
- Radcliffe, Arthur J., Jr., and A. R. Denz, to International Telephone and Telegraph Corp. Transistor limiter amplifier. 2,874,312, 2-17-59, Cl. 307-88.5.
- Radcliffe, Charles A., to The Plomb Tool Co. Wire stripper. 2,868,049, 1-13-59, Cl. 81-9.5.
- Radcliffe, Charlie. Sign having movable letters. 2,912,777, 11-17-59, Cl. 40-140.
- Radcliffe, Frederick E., to Bell Telephone Laboratories, Inc. Momentary contact switch. 2,883,565, 4-21-59, Cl. 307-132.
- Radcliffe, Frederick E., to Bell Telephone Laboratories, Inc. Automatic gain control using voltage drop in biasing circuit common to plural transistor stages. 2,885,544, 5-5-59, Cl. 250-20.
- Radcliffe, Gilbert B. Indoor television antenna. 2,881,429, 4-7-59, Cl. 343-744.
- Radcliffe, John R. Playing instruction device for pianos. 2,909,956, 10-27-59, Cl. 84-478.
- Radcliffe, Remington S.: See—  
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- Radcliffe, Richard J., to The O. A. Sutton Corp. Automotive air conditioning system with heat exchanger. 2,885,868, 5-12-59, Cl. 62-511.
- Radcliffe, Stanley V.: See—  
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- Radde, Erich M. H.: See—  
Klette, Hermann. 2,895,875.
- Raddin, Franklin M.: See—  
Gernert, Lawrence H., and Raddin. 2,880,280.
- Radel, Aaron A., to Globe Venetian Blind Corp. Head bracket for Venetian blinds. 2,916,246, 12-8-59, Cl. 248-264.
- Radel, John M.: See—  
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- Rademacher, Gustav F., to General Motors Corp. Thermocouple. 2,888,508, 5-26-59, Cl. 136-4.
- Rademakers, Adriaan: See—  
Smilt, Jan, and Rademakers. 2,869,047.
- Rader, Earl L. Food product preparing and dispensing machine. 2,896,421, 7-28-59, Cl. 62-135.
- Rader, Merrill E.: See—  
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- Rader, William H., and H. L. Wilson, to National Petrochemicals Corp. Stabilization of polyethylene during shut-down of molding apparatus. 2,906,733, 9-29-59, Cl. 260-45.95.
- Radermacher, Karl, to L. & C. Steinmuller G.m.b.H. Fuel feed regulation for vibratory combustion grates. 2,913,912, 11-24-59, Cl. 74-61.
- Radestock, Herbert, to Orenstein-Koppel und Lubecke Maschinenbau Akt. Scoop wheel. 2,877,576, 3-17-59, Cl. 37-190.

- Radex, Kendrick: See—  
Beach, Laurence R., Jr., Radex, Gildea, and Strohmeyer. 2,876,640.
- Radford, Lawrence T. Synchronizing device for internal combustion engines. 2,886,011, 5-12-59, Cl. 121-46.5.
- Radhuber, William, Sr. Knitting machines. 2,902,846, 9-8-59, Cl. 66-63.
- Radian Corp., The: See—  
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- Radiant Mfg. Corp.: See—  
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- Radiation Dynamics, Inc.: See—  
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- Radiation, Inc.: See—  
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- Radin, Arthur, M. R. Bulken, and L. C. Shapiro, to Victory Container Corp. Folding machine. 2,904,789, 9-22-59, Cl. 1-106.
- Radin, Bernard G., to Ford Motor Co. Light actuated circuits. 2,915,642, 12-1-59, Cl. 250-214.
- Radino, Hugo L., 50% to Companhia Mercantil e Industrial Inga. Process of zinc extraction from ores formed by or containing zinc silicate or other soluble silicates, by means of hydrometallurgy. 2,874,041, 2-17-59, Cl. 75-120.
- Radio Condenser Co.: See—  
Birx, Donald L. 2,876,356.  
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Jackson, Russell K. 2,876,314.  
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- Radio Corp. of America: See—  
Abbott, Roy C., and Solomon. 2,888,515.  
Ackermann, Walter. 2,891,433.  
Albee, Arthur C., and Pettus. 2,870,975.  
Ammenwerth, Martin F., and Caprarola. 2,913,616.  
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Armstrong, Lorne D., Harmon, and Meisel. 2,878,432.  
Armstrong, Lorne D., and Sherwood. 2,877,396.  
Arnold, Walter L., and Pearce. 2,890,971.  
Aron, Samuel. 2,905,881.  
Aronson, Albert I. 2,887,540.  
Aronson, Albert I. 2,892,045.  
Aronson, Albert I. 2,888,479.  
Artzt, Maurice. 2,876,412.  
Artzt, Maurice. 2,901,538.  
Avins, Jack. 2,873,314.  
Avins, Jack. 2,907,960.  
Avins, Jack. 2,913,579.  
Avins, Jack, and Kronenberg. 2,898,398.  
Ayres, Jay J., Cohen, and Brauer. 2,914,739.  
Ayres, Jay J., and Cole. 2,905,069.  
Ayres, William R., and Smith. 2,911,622.  
Baer, John S., and Damerau. 2,903,687.  
Baer, John S., and Grapes. 2,917,331.  
Ball, Henry. 2,895,027.  
Ballard, Randall C. 2,880,268.  
Barkow, William H. 2,900,564.  
Barkow, William H., and Matthews. 2,901,650.  
Barkow, William H., and Matthews. 2,901,665.  
Barton, Loy E. 2,886,748.  
Batzle, William K. 2,900,553.  
Beam, Walter R. 2,888,606.  
Beam, Walter R., and Knechtli. 2,883,568.  
Beam, Walter R., and Knechtli. 2,907,916.  
Bechler, Fred L. 2,874,212.  
Beers, George L. 2,874,213.  
Behrend, William L. 2,881,388.  
Bensky, Lowell S., and Fillebrown. 2,880,934.  
Benway, Robert E. 2,887,508.  
Berge, Raymond G., and Bradley. 2,874,278.  
Bernard, Francois R. C., Wentworth, and Luther. 2,877,291.  
Bieganski, Wladyslaw J., and Glickman. 2,873,438.  
Black, Otis D., and Cutler. 2,908,557.  
Blaney, Arthur C. 2,885,401.  
Bleazer, John C. 2,913,644.  
Blust, Henry L., Strych, and Vivian. 2,902,149.  
Booth, Grant W., Hobbs, and Fillebrown. 2,911,624.  
Briggs, George R. 2,886,801.  
Briggs, George R., and Le. 2,911,628.  
Briggs, George R., and Rajchman. 2,897,405.  
Briggs, George S. 2,908,594.  
Briggs, Joseph A. 2,885,832.  
Brooks, Forrest E. 2,870,373.  
Bube, Richard H., and Thomsen. 2,916,678.  
Burger, Gustav F. 2,885,227.  
Burns, Leslie L., Jr. 2,900,562.  
Burns, Leslie L., Jr., and Keizer. 2,915,594.  
Busanovich, Charles J. 2,902,529.  
Busanovich, Charles J., and Thomsen. 2,876,202.  
Canto, Louis, Mohr, and Neumann. 2,912,676.  
Carlson, David J. 2,880,282.  
Cavanaugh, Daniel J. 2,902,756.  
Celmer, Philip R., and Jensen. 2,872,299.
- Radio Corp. of America: See—Continued  
Chase, John A. 2,877,065.  
Cheilik, Philip. 2,877,445.  
Cherry, William H. 2,870,247.  
Chien, Kun L. 2,911,625.  
Chien, Kun L., and Propster. 2,907,004.  
Chien, Kun L., and Propster. 2,907,005.  
Chin, Te N. 2,914,694.  
Clay, Burton R. 2,890,330.  
Clay, Burton R., and Carmen. 2,898,509.  
Cohen, Robert M., and Rist. 2,903,630.  
Colvin, Alex D. 2,891,304.  
Comminos, Donald A. 2,901,537.  
Concreeff-Yeates, Alexander J. 2,904,431.  
Cooke, Harry L. 2,919,308.  
Cooper, John C., and Hagmann. 2,875,374.  
Cooperman, Michael, and Grundmann. 2,899,492.  
Cope, Appleton D. 2,875,359.  
Cope, Appleton D. 2,900,569.  
Covely, Frank D., 3rd. 2,907,519.  
Crane, Hewitt D. 2,896,194.  
Crooks, Horatio N. 2,886,799.  
Crooks, Horatio N. 2,911,621.  
Crooks, Horatio N., and Bittling. 2,912,493.  
Crosby, Gilmore E., Smith, and Whitmer. 2,919,363.  
Cuccia, Carmen L. 2,870,368.  
Cuccia, Carmen L. 2,875,272.  
Damerau, Edward A. 2,884,111.  
Davidson, James J. 2,900,456.  
Dennison, Robert C., and Luther. 2,877,296.  
De Philippo, William J., and Chien. 2,902,679.  
Deranian, Minas, and Venderschmitt. 2,869,030.  
Dietch, Leonard. 2,869,029.  
Dietch, Leonard. 2,906,814.  
Dinowitz, Edward E. 2,911,630.  
Di Santl, Nicholas, Canfora, and Liguori. 2,868,875.  
Dischert, Robert A., and Thomas. 2,906,947.  
Dodda, Wellesley J. 2,887,609.  
Donahue, Daniel J., and Hoshowsky. 2,867,587.  
Donal, John S., Jr., and Cuccia. 2,912,613.  
Duke, Vernon J. 2,890,277.  
Eaton, Thomas T. 2,885,068.  
Eichenbaum, Arie L., and Knechtli. 2,881,349.  
Endres, Richard O., and Deutch. 2,889,467.  
Epstein, David W., Kaus, and Van Ormer. 2,885,935.  
Evans, Louis L., and Sprengeler. 2,903,638.  
Fenton, Andrew F., and Kelly. 2,881,245.  
Fillebrown, Stephen M., and Booth. 2,884,616.  
Finkelstein, Morris B. 2,886,740.  
Finkelstein, Morris B. 2,913,625.  
Flory, Leslie E., Gray Jensen, and Pike. 2,892,056.  
Forbes, Edmund J. 2,897,274.  
Fredendall, Gordon L. 2,895,004.  
Freedman, Larry A. 2,913,523.  
Fricke, Roger H., and Liggett. 2,875,386.  
Funnell, William F. 2,898,995.  
Gallup, John L. 2,877,143.  
Garner, Lloyd P. 2,909,698.  
Gensel, William L. 2,912,574.  
George, Ralph W. 2,876,599.  
Giacoletto, Lawrence J. 2,878,298.  
Giacoletto, Lawrence J. 2,903,628.  
Gialmo, Edward C., Jr. 2,890,968.  
Gialmo, Edward C., Jr. 2,892,445.  
Gibson, John J. 2,872,648.  
Gibson, Walter G. 2,892,884.  
Gibson, Walter G., and Schroeder. 2,882,335.  
Gibson, Walter G., and Schroeder. 2,899,495.  
Gibson, Walter G., and Schroeder. 2,916,544.  
Gihring, Herman E. 2,867,804.  
Glazar, Walter S. 2,901,559.  
Glicksman, Richard, and Morehouse. 2,897,249.  
Goldstein, Bernard. 2,900,286.  
Goodrich, Hunter C. 2,870,421.  
Goodrich, Hunter C. 2,875,312.  
Goodrich, Hunter C. 2,890,352.  
Goodrich, Hunter C. 2,891,192.  
Goodrich, Hunter C. 2,905,815.  
Goodrich, Hunter C. 2,906,818.  
Grange, Alban J. 2,902,687.  
Gray, George W. 2,897,356.  
Gray, George W. 2,908,815.  
Gray, Sidney. 2,869,010.  
Gray, Sidney. 2,871,371.  
Gray, Sidney. 2,873,397.  
Green, Milton W. 2,889,469.  
Greig, Harold G. 2,874,063.  
Guerber, Howard P. 2,907,989.  
Guggi, Walter B. 2,896,115.  
Guire, Ronald J., and Weiser. 2,871,100.  
Haddad, Raymond A., and Schell. 2,895,108.  
Haining, Lester E. 2,907,018.  
Hall, James R. 2,881,235.  
Hammond, Russell E., and Geduldig. 2,887,527.  
Hansell, Clarence W. 2,894,123.  
Hansell, Grant E. 2,888,554.  
Hansen, Harry A., Paterson, and Peters. 2,913,645.  
Hanson, Eugene O. 2,877,370.  
Hanson, Eugene O., and Shrontz. 2,871,621.  
Hanthorn, Horace F. 2,903,529.  
Hanthorn, Horace F., and Stobbe. 2,884,587.  
Harper, Stanley A. 2,908,588.  
Harris, Bernard, and Macovski. 2,868,975.  
Harris, James S. 2,870,372.



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Hart, Jack. 2,880,352.  
 Hathaway, Jarrett L. 2,903,508.  
 Helbig, Walter A. 2,891,173.  
 Herman, Ralph. 2,910,963.  
 Hermann, Heinrich. 2,882,386.  
 Hernqvist, Karl G. 2,874,355.  
 Hernqvist, Karl G. 2,899,586.  
 Hernqvist, Karl G. 2,919,367.  
 Herold, Edward W. 2,873,637.  
 Herold, Edward W. 2,905,836.  
 Hills, Fielding B. 2,917,944.  
 Hinsdale, Edwin M., Jr. 2,877,294.  
 Hinsdale, Edwin M., Jr. and Smith. 2,898,399.  
 Hobbs, Linder C. 2,907,003.  
 Hogg, Aaron G. 2,901,712.  
 Holmes, David D. 2,878,380.  
 Holmes, David D. 2,878,384.  
 Holmes, David D. 2,881,310.  
 Holmes, David D. 2,917,573.  
 Horowitz, Leopold A. and Hermeling. 2,902,546.  
 Horowitz, Leopold A. and Sonnenfeldt. 2,872,580.  
 Hoshowsky, Stanley A. 2,877,605.  
 Houghton, William D. 2,892,017.  
 Houghton, William D. 2,892,022.  
 Houghton, William D. 2,903,509.  
 Howery, Richard W. 2,880,397.  
 Hurford, Winslow L. 2,892,026.  
 Hurford, Winslow L. 2,912,580.  
 Hymas, Donald G. and McDermody. 2,898,455.  
 Jenny, Dietrich A. 2,913,642.  
 Jenny, Dietrich A. and Jensen. 2,902,350.  
 Jenny, Dietrich A. and Loebner. 2,883,556.  
 Jensen, Robert V. 2,898,249.  
 Johnson, Edgar J. and Green. 2,902,682.  
 Johnson, Edward O. 2,877,386.  
 Jolly, Stuart T. 2,872,530.  
 Kaplan, Martin, and Townsend. 2,891,654.  
 Katz, Abraham. 2,904,781.  
 Kazan, Benjamin. 2,873,380.  
 Kazan, Benjamin. 2,875,348.  
 Kazan, Benjamin. 2,879,505.  
 Kazan, Benjamin. 2,884,528.  
 Kazan, Benjamin. 2,884,566.  
 Kazan, Benjamin. 2,896,087.  
 Kazan, Benjamin. 2,900,574.  
 Kazan, Benjamin. 2,905,830.  
 Kazan, Benjamin. 2,905,849.  
 Kazan, Benjamin. 2,914,678.  
 Kazan, Benjamin. 2,919,352.  
 Kelzer, Eugene O. 2,873,406.  
 Kelzer, Eugene O. 2,881,354.  
 Kelzer, Eugene O. 2,883,451.  
 Kelzer, Eugene O. 2,891,105.  
 Kelzer, Eugene O. 2,901,533.  
 Kelly, Gordon E. and Flood. Re. 24,740.  
 Kessler, Sebastian W., Jr. 2,876,596.  
 Kidd, Marshall C. 2,873,387.  
 Kidd, Marshall C. and Davidson. 2,905,747.  
 Kidd, Marshall C. and Goodrich. 2,906,817.  
 Kihn, Harry. 2,872,579.  
 Kjellsen, Arvid G. and Blust. 2,918,198.  
 Knechtli, Ronald C. 2,902,623.  
 Kolesnik, Michael, and Kelly. 2,880,364.  
 Koren, Saul. 2,896,109.  
 Korman, Nathaniel I. 2,867,773.  
 Korman, Nathaniel I. and Goodwin. 2,876,446.  
 Koros, Leslie L. 2,910,626.  
 Koros, Leslie L., Clark, and Duris. 2,885,642.  
 Kosonocky, Walter F. 2,902,678.  
 Koustas, Peter. 2,878,385.  
 Krystek, Stanley. 2,912,647.  
 Ksiazek, Frank T. 2,895,020.  
 Kurshan, Jerome. 2,915,646.  
 Larch, Simon. 2,898,475.  
 Larky, Norbert D. 2,879,328.  
 Larky, Norbert D. 2,879,329.  
 Larky, Norbert D. 2,897,260.  
 Larky, Norbert D. 2,908,747.  
 Lauxen, Carl. 2,870,647.  
 Law, Harold B., Allwine, and Darling. 2,880,365.  
 Lehman, James N., and Theiss. 2,867,762.  
 Leyton, Eric M. 2,881,399.  
 Leyton, Eric M. 2,901,599.  
 Lin, Hung C. 2,886,653.  
 Lin, Hung C. 2,896,029.  
 Lindenblad, Nils E. 2,867,802.  
 Lindenblad, Nils E. 2,870,610.  
 Lindenblad, Nils E. 2,872,788.  
 Lindenblad, Nils E. 2,884,762.  
 Lindenblad, Nils E. 2,903,857.  
 Linder, Ernest G. 2,914,665.  
 Lindsay, James E. 2,892,165.  
 Lo, Arthur W., Rajchman, and Briggs. 2,887,675.  
 Lockhart, Robert K. 2,890,271.  
 Lockhart, Robert K. 2,908,751.  
 Lockhart, Robert K. 2,908,752.  
 Loebner, Egon E. 2,895,054.  
 Loebner, Egon E. 2,907,001.  
 Loebner, Egon E. 2,914,679.  
 Lohman, Robert D. 2,871,378.  
 Lowery, John M. 2,873,424.  
 Lozier, Gerald S., Glicksman, and Morehouse. 2,874,079.  
 Luck, David G. C. 2,919,303.

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Lufkin, Paul M., and Stubbins. 2,872,615.  
 Luther, Arch C., Jr. 2,875,332.  
 Luther, Arch C., Jr. 2,887,575.  
 Luther, Arch C., Jr. 2,891,148.  
 Luther, Arch C., Jr. 2,913,540.  
 Luther, Arch C., Jr., and Baun. 2,913,621.  
 Luther, Arch C., Jr., and Bosinoff. 2,892,025.  
 Luther, Arch C., Jr., and Marian. 2,879,441.  
 Luther, Arch C., Jr., Marian, and Bosinoff. 2,890,276.  
 Lynar, William E., and Helwig. 2,884,554.  
 Mackey, Donald. 2,896,028.  
 Macovski, Albert. 2,883,452.  
 Macovski, Albert. 2,890,272.  
 Macovski, Albert. 2,891,104.  
 Macovski, Albert. 2,908,748.  
 Macovski, Albert. 2,914,604.  
 Macovski, Albert, and Schaefer. 2,913,519.  
 Malchow, Max E. 2,904,678.  
 Maloff, Loury G. 2,896,114.  
 Mark, John T. 2,883,638.  
 Marschka, Frank D., and Kuehne. 2,881,042.  
 Masters, Robert W. 2,885,677.  
 Maurer, Pierre W., and Blust. 2,873,835.  
 McCleary, Lawrence R. 2,910,580.  
 McCulley, James M. 2,874,280.  
 Medow, Jules. 2,867,489.  
 Mesner, Max H. 2,897,263.  
 Miller, Charles E. 2,876,344.  
 Miller, Louis D., and McQuillen. 2,914,317.  
 Miller, William B. 2,905,048.  
 Milloy, Ian M. 2,889,917.  
 Mohr, Harry F. 2,868,964.  
 Moore, Thomas H. 2,898,579.  
 Morehouse, Clarence K., and Glicksman. 2,874,204.  
 Morehouse, Clarence K., and Glicksman. 2,880,122.  
 Morton, George A. 2,903,595.  
 Mueller, Charles W. 2,894,862.  
 Mueller, Charles W. and Printon. 2,870,050.  
 Mueller, Charles W. and Sherwood. 2,870,049.  
 Musolf, Gunter F. 2,898,536.  
 Nash, Thomas E. and Hoffmann. 2,917,357.  
 Natallis, Herbert E. 2,869,014.  
 Nelson, Herbert, and Moore. 2,897,377.  
 Nelson, Morris D. 2,905,857.  
 Nettleton, David L. 2,891,288.  
 Nettleton, David L. 2,894,684.  
 Neuhauser, Robert G. 2,901,661.  
 Newhouse, Vernon L. 2,900,626.  
 Newman, Jay J. 2,890,288.  
 Newman, Jay J. 2,913,537.  
 Nicoll, Frederick H. 2,877,369.  
 Nicoll, Frederick H. 2,884,541.  
 Nicoll, Frederick H. 2,891,169.  
 Nicoll, Frederick H. 2,908,824.  
 Nicoll, Frederick H. and Kazan. 2,880,346.  
 Nilssen, Ole K. 2,915,631.  
 Nolde, George V., and Brustman. 2,918,656.  
 Oakley, Charles B. 2,901,534.  
 Oakley, Charles B., and Rhodes. 2,894,061.  
 Olden, Roger G. 2,892,446.  
 Olive, George A. 2,900,459.  
 Ollendorf, Joel, and Bibby. 2,905,873.  
 Olson, Harry F., and Belar. 2,918,667.  
 Olson, Harry F., and Preston. 2,870,856.  
 O'Neill, John P. 2,884,518.  
 Orr, John R. 2,874,277.  
 Padgett, Edward D. 2,895,127.  
 Pankove, Jacques I. 2,879,405.  
 Pankove, Jacques I. 2,883,313.  
 Pankove, Jacques I. 2,895,058.  
 Pankove, Jacques I. 2,913,676.  
 Parks, Nathan S. 2,875,397.  
 Pensak, Louis. 2,915,578.  
 Pensak, Louis. 2,918,600.  
 Pessel, Leopold. 2,885,601.  
 Peter, Rolf W. 2,909,704.  
 Pettus, James L. 2,885,490.  
 Pfeiffer, Frederick W. 2,906,200.  
 Phelps, James C., Canfora, Liguori, and Mandato. 2,903,513.  
 Polkosky, Joseph J., and Spilner. 2,881,343.  
 Preisig, Joseph O. 2,879,390.  
 Preisig, Joseph O. 2,879,447.  
 Preisig, Joseph O., and Rhodes. 2,905,853.  
 Pritchard, Dalton H. 2,884,482.  
 Pritchard, Dalton H. 2,888,514.  
 Pritchard, Dalton H., and Schroeder. 2,884,480.  
 Pritchard, Dalton H., and Schroeder. 2,892,028.  
 Pryslak, Nicholas E. 2,903,788.  
 Putzrath, Franz L. 2,879,448.  
 Putzrath, Franz L. 2,916,709.  
 Rajchman, Jan A. 2,884,622.  
 Rajchman, Jan A. 2,907,980.  
 Rajchman, Jan A. 2,919,430.  
 Rajchman, Jan A., and Briggs. 2,900,622.  
 Rajchman, Jan A. and Briggs. 2,904,626.  
 Reichert, Robert D. 2,899,589.  
 Rettlinger, Michael. 2,915,812.  
 Reynard, Chauncy G. 2,876,544.  
 Reynard, Chauncy G. 2,886,336.  
 Rhodes, Roland N. 2,887,528.  
 Rhodes, Roland N. 2,912,469.  
 Rhodes, Roland N., and Oakley. 2,896,018.

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Roberts, William C., and Mendelson. 2,885,992.  
 Robinson, Harris A. 2,875,337.  
 Robinson, Harris A. 2,888,562.  
 Rogers, Gordon F. 2,876,349.  
 Rogers, Gordon F. 2,881,400.  
 Rogers, Gordon F. 2,889,400.  
 Rogers, Gordon F. 2,894,062.  
 Rogers, Gordon F. 2,897,262.  
 Rose, Albert. 2,881,340.  
 Rose, George M., Jr., and Helwig. 2,918,598.  
 Rose, Harry E. 2,872,508.  
 Rosi, Fred D. 2,889,240.  
 Rosi, Fred D. 2,902,528.  
 Ross, Robert T. 2,879,041.  
 Rotow, Alexander A. 2,887,594.  
 Rydz, John S. 2,885,463.  
 Sands, William F. 2,882,392.  
 Sass, Earl J., and Torre. 2,873,309.  
 Saulnier, Theodore A., Jr. 2,903,377.  
 Schade, Otto H. 2,871,391.  
 Scheldorf, Randal D. 2,892,835.  
 Schell, Roger E. 2,905,318.  
 Schock, Robert E. 2,887,678.  
 Schopp, James C. 2,903,622.  
 Scott, Howard M. 2,883,626.  
 Schroeder, John O. 2,886,659.  
 Schultz, Melvin L. 2,877,284.  
 Schwartz, James W. 2,917,571.  
 Schwartz, James W., and Kaus. 2,915,672.  
 Serrell, Robert. 2,901,549.  
 Shapiro, Louis. 2,894,058.  
 Shapiro, Louis. 2,902,539.  
 Shapiro, Louis. 2,915,582.  
 Shapiro, Louis. 2,918,216.  
 Shapiro, Louis. 2,918,523.  
 Sharlin, Samuel, Kishi, Sheridan, and Liguori. 2,919,300.  
 Shrader, Merrill B. 2,869,009.  
 Smith, Edwin B. 2,901,535.  
 Smith, Joel N., and Ayres. 2,907,002.  
 Smith, Roland W., and Rose. 2,916,810.  
 Sommer, Alfred H. 2,914,690.  
 Sonnenfeldt, Richard W. 2,873,311.  
 Sonnenfeldt, Richard W. 2,879,327.  
 Sonnenfeldt, Richard W. 2,906,946.  
 Sonnenfeldt, Richard W. 2,907,919.  
 Sonnenfeldt, Richard W., Grundmann, and Cooperman. 2,899,491.  
 Spaulding, Spencer W., and Pressman. 2,886,241.  
 Spielberg, Arnold M. 2,885,659.  
 Spielberg, Arnold M., Guerber, and Hobbs. 2,907,010.  
 Sprecher, Noah E. 2,879,384.  
 Stadlin, Robert, and Lohman. 2,869,079.  
 Stankey, James A., and Slater. 2,910,376.  
 Stark, John, Jr., and Dietch. 2,872,617.  
 Stavakis, Alexander, and Reuter. 2,910,964.  
 Stearns, George W., and Montijo. 2,885,548.  
 Stone, Robert P. 2,875,361.  
 Stoudenmire, Richard G. 2,880,344.  
 Stripp, Kenneth F., and Moore. 2,874,083.  
 Sublette, Ivan H., Beard, Bensky, Hobbs, and Fillebrown. 2,877,346.  
 Sugarmen, Meyer L., Jr. 2,914,403.  
 Swierczak, Philip C. 2,881,265.  
 Sziklai, George C. 2,876,382.  
 Sziklai, George C. 2,892,020.  
 Sziklai, George C. 2,905,754.  
 Sziklai, George C., and Lohman. 2,883,454.  
 Sziklai, George C., and Lohman. 2,885,495.  
 Sziklai, George C., and Lohman. 2,912,597.  
 Thall, Earle S. 2,872,028.  
 Thomas, Lucius P. 2,871,288.  
 Thomas, Lucius P. 2,913,521.  
 Thomas, Lucius P., Jr., and Hoyt. 2,901,536.  
 Thompson, Leland E. 2,894,129.  
 Thompson, Leland E. 2,906,866.  
 Thompson, Roger D. 2,896,016.  
 Tolson, William A. 2,915,247.  
 Tolson, William A., Trevor, and Young. 2,875,313.  
 Tourshou, Simeon I. 2,879,391.  
 Tourshou, Simeon I., Smith, and Skorup. 2,867,751.  
 Vaccaro, Frank E. 2,915,675.  
 Van Ormer, David D. 2,903,612.  
 Vonderschmitt, Bernard V. 2,867,750.  
 Vonderschmitt, Bernard V. 2,871,405.  
 Walner, Eugene. 2,874,102.  
 Walentine, Joseph L., and Morris. 2,882,519.  
 Walker, William E., and Shoreys. 2,905,760.  
 Wallmark, John T. 2,875,384.  
 Wallmark, John T. 2,900,531.  
 Walke, Henry C. 2,891,305.  
 Warren, Charles S. 2,911,631.  
 Warren, Francis G. R., and Melzak. 2,872,679.  
 Warren, Henry R. 2,908,770.  
 Welmer, Paul K. 2,898,489.  
 Welmer, Paul K. 2,908,835.  
 Weingarten, Morris, D'Augustine, and Bange. 2,902,973.  
 Wentworth, John W. 2,876,347.  
 Werner, Richard E. 2,887,532.  
 Werzstein, Hanns J., and Kaweck. 2,911,629.  
 Widdop, Mary E., and Leverenz. 2,890,624.  
 Wilkinson, William C., Jr. 2,867,776.  
 Willis, Cecil H. 2,887,078.  
 Wlasuk, Steven. 2,875,414.

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Woehling, John G., and Friedli. 2,900,554.  
 Wolff, Irving. 2,885,665.  
 Wolke, Roy K., Chase, and Pilas. 2,884,684.  
 Wolke, Roy K., Chase, and Pilas. 2,917,812.  
 Woll, Harry J. 2,892,164.  
 Woll, Harry J. 2,901,639.  
 Woll, Harry J. 2,913,539.  
 Woods, William E. 2,907,021.  
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- Raes, Oscar M., and E. Kleeman, to Chrysler Corp. Center bearing moulding for vehicle propeller shaft. 2,893,790, 7-7-59, Cl. 308-184.
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- Raetzsch, Carl W., to Columbia-Southern Chemical Corp. Method of protecting cells. 2,890,157, 6-9-59, Cl. 204-98.
- Raff, Allan M., and E. V. Svedres, to Smith, Kline & French Laboratories. Polyethylene bottle. 2,876,818, 3-10-59, Cl. 150-5.
- Raff, Fritz, R. T. McGulre, and R. J. Palestri, to Ciba Co., Inc. Composition and process for application and discharge printing. 2,874,022, 2-17-59, Cl. 8-64.
- Raffelson, Harold: See—  
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- Rafferty, Cecil W., and R. D. Leible, to Pettibone Wood Mfg. Co. Breaker bar and pulverizer assemblies for road rebuilding apparatus. 2,905,456, 9-22-59, Cl. 262-9.
- Rafferty, Christopher A., to Bendix Aviation Corp. Directional control servosystem. 2,871,436, 1-27-59, Cl. 318-49.
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- Rafferty, James F.: See—  
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- Raffman, Halsey L. Cassette. 2,878,389, 3-17-59, Cl. 250-68.
- Rafowitz, Samuel, and C. Bonk. Cap. 2,883,669, 4-28-59, Cl. 2-172.
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- Ragan, Robert O., and R. F. Trant, to United Biscuit Co. of America. Non-sticking adhesive sheet. 2,915,413, 12-1-59, Cl. 117-15.
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- Ragborg, William H., to Dow Corning Corp. Organopolysiloxane-halofluorocarbon hydraulic fluid. 2,877,184, 3-10-59, Cl. 252-78.
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- Ragsdale, La Verne B., to General Motors Corp. Hinge counterbalance and hold-open. 2,908,934, 10-20-59, Cl. 16-146.
- Ragsdale, La Verne B., to General Motors Corp. Seat adjusting mechanism. 2,917,350, 12-15-59, Cl. 308-6.
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- Ragus, Nicholas G.: See—  
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- Rahmel, Henry A., to A. C. Nielsen Co. Monitoring system for wave signal receivers. 2,893,809, 7-7-59, Cl. 346-37.
- Rahr, Harold, and C. Wildman, to The Air Preheater Corp. Radial seal for rotary heat exchanger. 2,874,939, 2-24-59, Cl. 257-6.
- Rahn, Henry W., and C. J. Sindlinger, to Columbia-Southern Chemical Corp. Preparation of barium oxide. 2,876,073, 3-3-59, Cl. 23-186.
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- Rala, Peter. Portable adjustable sanding device. 2,904,939, 9-22-59, Cl. 51-187.
- Ralche, Paul A., to Davol Rubber Co. Nurser combination. 2,892,559, 6-30-59, Cl. 215-11.
- Raichle, Karl: See—  
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- Schnell, Hermann, Raichle, and Biedermann. 2,910,483.
- Raichle, Karl, H. Schwebberg, and H. Schnell, to Farbenfabriken Bayer Akt. Hardenable mixtures of unsaturated polyesters and polymerizable ethylene derivatives and process of making. 2,879,249, 3-24-59, Cl. 260-45.4.
- Raifsnider, Philip J., to Shell Development Co. Perfluoroalkylimidazolines and compositions containing the same. 2,915,376, 12-1-59, Cl. 44-63.
- Raifsnider, Philip J., to Shell Development Co. Perfluoroalkylimidazolines. 2,915,528, 12-1-59, Cl. 260-309.6.
- Raiken, Mathew R.: See—  
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- Raiken, Hyman I., to Sylvania Electric Products Inc. Process of producing sintered metal sheets. 2,900,254, 8-18-59, Cl. 75-214.
- Ralla, Edward S., and R. O'Keefe, to Burndy Corp. Dead end connector. 2,907,814, 10-6-59, Cl. 174-79.
- Ralling, Wilford E.: See—  
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- Ralloe, C.: See—  
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- Ralla Co., The: See—  
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- Rallsback, Horace E.: See—  
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- Raine, Thomas, to Metropolitan-Vickers Electrical Co. Ltd. X-ray tube comprising a cast copper anode sealed with a copper-silver electric alloy. 2,903,611, 9-8-59, Cl. 313-55.
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- Rainer, William C., E. M. Redding, J. J. Hitor, A. W. Sloan, and W. D. Stewart, to W. R. Grace & Co. Process for preparing transparent polyethylene. 2,877,500, 3-17-59, Cl. 18-48.
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- Raines, Fred H., to All-American Mfg. Co. Firefighter. 2,917,615, 12-15-59, Cl. 219-32.
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- Rainey, Fred E. Leg brace. 2,883,982, 4-28-59, Cl. 128-80.
- Rainey, James L.: See—  
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- Rainey, Robert H.: See—  
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- Rainis, Anthony V., and J. R. Arsenault, to Raytheon Mfg. Co. Heat program controls. 2,875,335, 2-24-59, Cl. 250-27.
- Rainman, Joseph C., to The American Hardware Corp. Folding door lock. 2,917,915, 12-22-59, Cl. 70-100.
- Rains, Jesse W. Pivoted jaw pliers. 2,910,903, 11-3-59, Cl. 81-381.
- Rainwater, Grover C., Jr. Pocket writing instrument holder. 2,890,507, 6-16-59, Cl. 24-3.
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- Raisbeck, Gordon, to Bell Telephone Laboratories, Inc. Circuit for measuring alpha of transistors. 2,897,448, 7-28-59, Cl. 324-158.
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- Raisler Corp., The: See—  
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- Raltbel, Kurt E., to International Standard Electric Corp. Crystal rectifier or crystal amplifier. 2,906,930, 9-29-59, Cl. 317-234.
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- Rajchman, Jan A.: See—  
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- Rajchman, Jan A., to Radio Corp. of America. Magnetic switching systems. 2,884,622, 4-28-59, Cl. 340-174.
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- Rajotte, George E. Unitary bottle support for serving trays. 2,895,609, 7-21-59, Cl. 206-72.
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- Rakebrandt, August: See—  
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- Rakes, Lee L. Display. 2,874,496, 2-24-59, Cl. 40-28.3.
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- Rakowsky, Victor. Apparatus for separating mixed products having specific gravities less than one. 2,879,889, 3-31-59, Cl. 209-173.
- Rakowsky, Victor. Centrifugal method and apparatus for separating solids. 2,917,173, 12-15-59, Cl. 209-172.5.
- Rakus, Alexander B., to E. I. du Pont de Nemours and Co. Process and apparatus for applying a coating to a moving web. 2,899,339, 8-11-59, Cl. 117-102.
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- McEwen, Robert L., Raleigh, and Price. 2,912,297.
- Raley, Charles F., Jr., to United States of America, Air Force. Trifluoromethyl-substituted triaryl phosphate esters. 2,890,235, 6-9-59, Cl. 260-461.
- Raley, Howard F., to General Electric Co. Control system for clothes dryers. 2,887,785, 5-26-59, Cl. 34-45.
- Raley, John H.: See—  
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- Wald, Milton M., and Raley. 2,883,437.
- Raley, John H., to Shell Development Co. Alkylation process. 2,883,440, 4-21-59, Cl. 260-671.
- Raley, John H., to Shell Development Co. Dehydrocyclization of hydrocarbons. 2,901,518, 8-25-59, Cl. 260-673.5.
- Raley, John H., R. D. Mullineux, and S. A. Ballard, to Shell Development Co. Hydrocarbon conversion process. 2,880,249, 3-31-59, Cl. 260-668.
- Raley, John H., and R. D. Mullineux, to Shell Development Co. Conversion of aliphatic hydrocarbons to aromatic hydrocarbons. 2,880,252, 3-31-59, Cl. 260-673.5.
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- Ralich, George: See—  
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- Ralloe, James F., G. Stanton, and C. Chlaramonte. Safety salvage device. 2,892,434, 6-30-59, Cl. 114-54.
- Ralls, Harry C., Jr. String conditioning and preserving. 2,902,374, 6-30-59, Cl. 84-297.
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- Ralph, Herman S., U. P. Nellis, and W. L. Pearson, to General Motors Corp. Fluid flow apparatus. 2,886,213, 5-12-59, Cl. 222-189.
- Ralphs, George C., and G. T. Shoe engaging pads for shoe presses. 2,916,750, 12-15-59, Cl. 12-38.
- Ralphs, George T.: See—  
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- Ralson, Don A. Tractor-drawn land float with ditching shoes. 2,888,996, 6-2-59, Cl. 172-448.
- Ralston, Eldon K., to Thompson Products, Inc. Rocker arm. 2,871,720, 2-2-59, Cl. 74-519.
- Ralston, Eldon K., to Thompson Ramo Wooldridge Inc. Tire clamp. 2,887,140, 5-19-59, Cl. 152-228.
- Ralston, Gavin A., to Micro Machine Works, Inc. Protractor shear. 2,889,877, 6-9-59, Cl. 164-42.
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- Ralston, James V., to Bendix-Westinghouse Automotive Air Brake Co. Signalling means for fluid pressure actuators. 2,914,630, 11-24-59, Cl. 200-83.
- Ralston Mfg. Co.: See—  
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- Ralston, Paul H.: See—  
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- Rambacher, Paul, to Aschaffenburg Zellstoffwerke Aktien-gesellschaft. Method for the production of cysteine hydrochloride. 2,907,703, 10-6-59, Cl. 204-73.
- Rambo, Sheldon I., to Westinghouse Electric Corp. Balancing machine. 2,874,575, 2-24-59, Cl. 73-463.
- Rambo, Sheldon I., to Westinghouse Electric Corp. Electronic tube control circuit. 2,900,576, 8-18-59, Cl. 315-241.
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- Ramen, Torsten, to Pedar Ltd. Process of evaporating sulfate waste liquor. 2,888,982, 6-2-59, Cl. 159-47.
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- Ramer, Lyle A., to RMR Corp. Multiple speed single phase motors. 2,900,588, 8-18-59, Cl. 318-225.
- Ramey, John P. Shackle means. 2,909,386, 10-20-59, Cl. 294-78.
- Ramey, Robert A., Jr. Magnetic amplifier. 2,918,626, 12-22-59, Cl. 330-8.
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- Ramien, Wolfgang, to Praemeta Praezisionsmetall- und Kunststoffwerke G. Baumann & Co. Tourniquet. 2,882,903, 4-21-59, Cl. 128-327.
- Ramirez, Ernest R., to Reynolds Metals Co. Nickel plating. 2,884,344, 4-28-59, Cl. 117-130.
- Ramirez, Fausto, to American Cyanamid Co. Phosphonium cyclopentadienylides and azo dyes therefrom. 2,914,522, 11-24-59, Cl. 260-174.
- Ramirez, Tomas C. Wall of interlocked blocks. 2,884,780, 5-5-59, Cl. 72-38.
- Ramm, Joseph L., to Johns-Manville Corp. Method and apparatus for loosening wet pipe from a mandrel. 2,892,750, 6-30-59, Cl. 162-118.
- Rammel, Gerald E.: See—  
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- Ramo, Oliver H., to Abington Textile Machinery Works. Surge control device and pneumatic systems containing the same. 2,917,076, 12-15-59, Cl. 137-514.3.
- Ramos, Thomas. Resinous composition comprising epoxy resin, curing agent and mixture of dextrines, maltose and dextrose and process for preparing. 2,894,920, 7-14-59, Cl. 260-9.
- Rampe, John F. Shock absorbing drive for tumbling drums and the like. 2,894,406, 7-14-59, Cl. 74-230.17.
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- Ramrath, Joseph M., to Allis-Chalmers Mfg. Co. Switch employing damping means for controlling movement of its bridging elements. 2,891,134, 6-16-59, Cl. 200-170.
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- Ramsay, Frank R. F., to D. Napier & Son Ltd. Electric ignition systems. 2,900,575, 8-18-59, Cl. 315-209.
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- Ramsdell, Paul A.: See—  
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- Ramsing, Robert E. V., to Ekco Products Co. Swivel canopy for lighting fixtures. 2,882,005, 4-14-59, Cl. 248-343.
- Ramskill, Thomas, to United States Steel Corp. Safety lock for crane hook. 2,905,997, 9-29-59, Cl. 24-241.
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- Randall, David I.: See—  
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- Randall, Ralph S. Valve control for a vacuum chamber. 2,907,345, 10-6-59, Cl. 137-565.
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- Randel, Raymond D. Removable axle protecting unit for cycles. 2,894,762, 7-14-59, Cl. 280-281.
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- Rangabe, Alexander R. Structure and assembly methods for electrode structures of electrical discharge devices. 2,877,373, 3-10-59, Cl. 313-278.
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- Ranous, Jack W., to Mitts and Merrill. Key seating machines. 2,909,967, 10-27-59, Cl. 90-43.
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- Ransom, Richard B. Differential gear set. 2,898,778, 8-11-59, Cl. 74-711.
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- Ranstead, Norman H., to Universal Oil Products Co. Heat exchanger. 2,872,163, 2-3-59, Cl. 257-230.
- Rantsch, Kurt, to Carl Zeiss. Interferometer. 2,911,880, 11-10-59, Cl. 88-14.
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- Rapid Mounting & Finishing Co.: See—  
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- Rapids-Standard Co., Inc. The: See—  
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- Rappaport, Sigmund, to Sperry Rand Corp., Ford Instrument Co. Division. Counting and indicating mechanism. 2,907,523, 10-6-59, Cl. 235-125.
- Rappen, Friedrich: See—  
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- Rasmussen, Rasmus E. Combined milk cooling and filtering device. 2,886,071, 5-12-59, Cl. 141-82.
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- Ratcliffe, Edward B., to Angelstone Ltd. Mould. 2,867,987, 1-13-59, Cl. 25-119.
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- Rath, Richard L. Conveyor unit. 2,917,148, 12-15-59, Cl. 193-35.
- Rath, Richard L., and G. F. Emig. End stop for slide fasteners and method of applying same. 2,884,691, 5-5-59, Cl. 29-408.
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- Rathjen, Theodore N. Meat grinder. 2,869,602, 1-20-59, Cl. 146-189.
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- Rattay, Matthew F. Squeegee for louver windows. 2,903,727, 9-15-59, Cl. 15-121.
- Ratte, Heinrich, and J. Geller, to Rutgerswerke-Akt. Continuous distillation of coal tar. 2,868,713, 1-13-59, Cl. 208-42.
- Rattee, Ian D.: See—  
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 Ream, Fred H. Bib. 2,884,638, 5-3-59, Cl. 2-49.  
 Ream, Vincent B. Ornamental display device. 2,867,716, 1-6-59, Cl. 240-101.  
 Reamer, Henry. Cyclic refrigeration system. 2,904,969, 9-22-59, Cl. 62-174.  
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 Reardon, Paul H. Water heating devices. 2,894,265, 7-14-59, Cl. 4-147.  
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 Malhot, Clarence J. 2,913,564.  
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- Rawson, Harold, and J. E. J. Dods, to The British Thomson-Houston Co. Ltd. Treatment of low loss ceramic materials. 2,873,506, 2-17-59, Cl. 25-157.
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- Ray, Frederick. Fountain pen of the ball point type. 2,877,744, 3-17-59, Cl. 120-42.4.
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- Ray, William A., to General Controls Co. Gas detector and system for gas detection. 2,881,274, 4-7-59, Cl. 200-61.03.
- Ray, William A., to General Controls Co. Fluid pressure operated control mechanism. 2,882,682, 4-21-59, Cl. 60-52.
- Ray, William A., to General Controls Co. Operator utilizing a hydraulic motor. 2,885,860, 5-12-59, Cl. 60-52.
- Ray, William A., to General Controls Co. Valve structure. 2,886,063, 5-12-59, Cl. 137-625.27.
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- Holmes, Robert L. 2,876,685.
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- Rayburn, Charles C., and H. S. Horiuchi, to ACF Industries, Inc. Printed capacitor. 2,903,634, 9-8-59, Cl. 317-261.
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- Osepchuk, John M., and Paananen. 2,905,859.
- Paananen, Roy A. 2,914,700.
- Porter, Leonard C., and Brule. 2,914,642.
- Riceman, Sumner. 2,915,752.
- Segerstrom, Carl A. 2,915,747.
- Smith, Robert V. 2,910,566.
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- Starke, Herbert F. 2,915,600.



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 Stroup, Leslie G. 2,915,690.  
 Turner, Edwin E. 2,896,449.  
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 Woo, Way D. 2,909,659.  
 Woo, Wenfoo G. 2,910,608.  
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 Beckwith, John R. 2,867,705.  
 Blais, Maurice E. 2,882,464.  
 Brown, William C. 2,881,270.  
 Buckbee, John A., and Terzian. 2,871,403.  
 Cole, Benjamin R., and Cleary. 2,886,704.  
 Corey, Frank J. 2,868,866.  
 Corey, Frank J. 2,868,868.  
 Damon, Nell F. 2,872,655.  
 Davis, Luther, Jr. 2,892,984.  
 Dench, Edward C. 2,888,610.  
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 Dench, Edward C., and La Rue. 2,888,649.  
 Devaud, Albert J. 2,892,526.  
 Freedman, Nathan. 2,882,353.  
 Fryklund, Robert A. 2,869,109.  
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 Gorton, William G. 2,879,737.  
 Haagen, Duane B. 2,888,543.  
 Harper, Robert. 2,916,655.  
 Harrison, Bertram M. 2,869,027.  
 Hergenrother, Rudolf C. 2,869,025.  
 Hines, Paul. 2,870,441.  
 Horsman, Gilbert A. 2,867,492.  
 Hunter, Windsor H. 2,872,610.  
 Jarvis, Franklin T. 2,888,228.  
 Kendrick, John S. 2,893,000.  
 Knustadt, George H. 2,892,961.  
 Larkin, Kenneth T. 2,897,449.  
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 MacDowell, Kenneth M. 2,880,395.  
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 Miller, Harvey A., and Eisler. 2,873,422.  
 Mitchell, Walter B. 2,868,997.  
 Mork, Raymond P. 2,888,542.  
 Osepchuk, John M. 2,871,394.  
 Pritchard, Wilbur L., and Pratt. 2,869,085.  
 Rainis, Anthony V., and Arsenault. 2,875,635.  
 Rudenberg, Hermann G. 2,888,596.  
 Sand, Theodore S. 2,887,572.  
 Sardella, John J. 2,888,736.  
 Schreiner, Louis W. 2,871,359.  
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 Ticehurst, Laurence E. 2,882,378.  
 Tolf, Marvin L. 2,897,037.  
 Turner, John L. 2,869,032.  
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 Wilson, Robert D. 2,883,575.  
 Wolsey, Sumner P. 2,879,457.  
 Woo, Wenfoo G. 2,875,377.  
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 Read, Glenn F. Disassembler. 2,876,991, 3-10-59, Cl. 254-131.  
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 Reagan, John J., to The Standard Oil Co. Intermediate tube guide. 2,883,973, 4-28-59, Cl. 122-510.  
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 Realty and Industrial Corp.: See—  
 Gubelmann, William S. 2,915,159.  
 Ream, Fred H. Hb. 2,884,638, 5-3-59, Cl. 2-49.  
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 Reaney, Warford A. and D. W. 2,889,143.  
 Reaney, Michael J., to Colt Ventilation Ltd. Ventilator mounting and drainage flanges. 2,885,945, 5-12-59, Cl. 98-88.  
 Reaney, Warford A. and D. W. Preheater for rotary kiln. 2,889,143, 6-2-59, Cl. 263-33.  
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- Stava, Robert J., Reininger, and Wilkens. 2,901,632.
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- Reinke, Elmer F.: See—  
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- Reinke, Herbert J., and H. A. Gallatin, to Allis-Chalmers Mfg. Co. Motor generator set with frequency control by voltage to induction motor. 2,870,395, 1-20-59, Cl. 322—39.
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- Reintjes, George P. Adjustable lining support. 2,879,660, 3-31-59, Cl. 72—19.
- Reintjes, Harold, to Godfrey L. Cabot, Inc. Process for heat treating particulate solid materials. 2,914,448, 11-24-59, Cl. 202—12.
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- Reis, Antonio da Cunha. New ampoule-syringe. 2,888,923, 6-2-59, Cl. 128—218.
- Reis, Charles S. Apparatus for frequency compression and expansion. 2,879,337, 3-24-59, Cl. 179—15.55.
- Reis, Charles S., to Hewlett-Packard Co. Solid state network. 2,900,522, 8-18-59, Cl. 250—208.
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- Reis, Herbert J., and D. R. Barthel, to The Martin Co. Constant impedance coaxial phase shifter. 2,919,418, 12-29-59, Cl. 333—31.
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- Reis, Smil. Fluid pressure motor, particularly for vehicular power steering. 2,909,157, 10-20-59, Cl. 121—41.
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- Reisch, Norman D. Self-adjusting hand brake. 2,918,991, 12-29-59, Cl. 188—196.
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- Reischl & Co., K. G., Metallwarenfabrik: See—  
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- Reiter, Lambert. Foot massage device. 2,895,470, 7-21-59, Cl. 128—57.
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- Dyke, Walter P., and Barbour. 2,916,668.
- Eberhart, Edgar, and Lorrain. 2,888,929.
- Giser, Samuel. 2,900,137.
- Hall, Howard T. 2,918,699.
- Hasen, David C., and Ringler. 2,894,703.
- Kallmann, Hartmut P., and Rosenberg. 2,892,968.
- Lee, Shih-Ying. 2,875,782.
- Martin, Eugene E. 2,886,736.
- Matteson, Benjamin H., Hughes, and Ayer. 2,910,627.
- McBee, Earl T., and Pierce. 2,892,859.
- McBee, Earl T., Pierce, and Metz. 2,899,454.
- Seamans, Robert C., Jr., Whitaker, Wilkins, and Wingate. 2,868,481.
- Shelden, Charles H. 2,873,742.
- Spitzer, Lyman, Jr. 2,910,414.
- Stanton, Harold S. 2,904,032.
- Von Hippel, Arthur R., Powers, and Green. 2,909,662.
- Wintermute, Harry A. 2,867,285.
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- Wintermute, Harry A. 2,904,178.
- Wintermute, Harry A. 2,907,707.
- Woodward, Robert B. 2,883,384.
- Woolley, Dilworth, and Shaw. 2,890,223.
- Young, Frink M., and Naylor. 2,907,878.
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- Egan, Richard T. 2,893,511.
- Silverman, Leslie. 2,913,232.
- Silverman, Leslie. 2,918,139.
- Streuber, Rudolf G. 2,867,286.
- Research Council of Israel, The: See—
- Tabor, Harry Z. 2,917,817.
- Research Engineering Associates: See—
- Lewis, Francis B. 2,907,402.
- Research Interests Ltd.: See—
- Winick, Jack I. 2,909,213.
- Research Laboratories, Inc.: See—
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- Kingsbury, Chester L., Jr. 2,919,024.
- Wynne, Ira H. 2,870,909.
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- Resistoflex Corp.: See—
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- Schnabel, Ernst. 2,883,513.
- Vanderhoof, Alton S. 2,889,581.
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- Reslock, Alfred M.: See—
- Hupert, Julius J., Maciszewski, and Reslock. 2,905,886.
- Resnick, Charles. Gun holster. 2,917,214, 12-15-59, Cl. 224-2.
- Resnick, Leroy D.: See—
- Dean, Reginald S., and Resnick. 2,881,055.
- Resources Research, Inc.: See—
- Gelman, Charles. 2,880,071.
- Res, Thomas I., and E. C. Greanias, to International Business Machines Corp. Reading apparatus. 2,919,425, 12-29-59, Cl. 340-149.
- Resseguie, Robert E.: See—
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- Reter, Harold: See—
- Rohwer, Robert G., Cadotte, and Reter. 2,901,382.
- Rethwisch, Francis B.: See—
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- Magor, Lincoln S. 2,903,233.
- Retornaz, Francois. Device for automatic lubrication of cylinders. 2,918,142, 12-22-59, Cl. 184-6.
- Rettle, George W., and R. D. Hotchkiss. Fire and burglar alarm system. 2,905,762, 9-22-59, Cl. 179-5.
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- Rettinger, Michael, to Radio Corp. of America. Method of constructing magnetic heads. 2,915,812, 12-8-59, Cl. 29-155.59.
- Retzer, Theodore C., to Westinghouse Electric Corp. Starting and operating circuit for gaseous discharge lamps. 2,916,671, 12-8-59, Cl. 315-239.
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- Retzinger, Leo P., Jr., to Librascope, Inc. Digital-to-analog converter. 2,914,758, 11-24-59, Cl. 340-347.
- Retzlaff, Allen H.: See—
- Brumbaugh, Joseph F., and Retzlaff. 2,872,576.
- Reuber, Rudolf: See—
- Reuter, Martin, Orthner, and Reuber. 2,877,248.
- Reuhl Products, Inc.: See—
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- Reuter, Erich R.: See—
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- Reuter, Franz G., to Mobay Chemical Co. Polishing instrument. 2,881,065, 4-7-59, Cl. 51-298.
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- Reuter, Henry G., Jr.: See—
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- Reuter, Martin, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing quaternary phosphonium compounds. 2,912,466, 11-10-59, Cl. 260-606.3.
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- Reutt, Zigmund, to Armstrong Siddeley Motors Ltd. Plastic blades, particularly for a compressor rotor of a gas turbine engine. 2,868,441, 1-13-59, Cl. 230-134.
- Revco, Inc.: See—
- White, Howard D., and Tenniswood. 2,908,539.
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- Reveka, Stanley, to The Lionel Corp. Toy locomotive headlights. 2,883,796, 4-28-59, Cl. 46-226.
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- Briskin, Theodore S., Lustig, and Taylor. 2,907,532.
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- Bruckner, Hubert U., Fluskey, Pellar, and Ptaszek. 2,880,555.
- Claras, Carl W. 2,897,289.
- Lustig, Frank C. 2,906,103.
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- Moore, Robert L., and Pastor. 2,877,958.
- Pastor, Sheldon L. 2,907,190.
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- Dunn, Thomas P. 2,912,549.
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- Revere Corp. of America: See—
- MacDonald, Dennison H. 2,867,707.
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- Revere Electric Mfg. Co.: See—
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- Revere, Paul E., and G. H. Kelth, to Westinghouse Electric Corp. Manufacture of molybdenum and alloys thereof. 2,903,385, 9-8-59, Cl. 148-11.5.
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- Hankus, Chester P. 2,887,220.
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- Revoir, Harold J., to Minnesota Mining and Mfg. Co. Pressure-sensitive adhesive tape. 2,897,960, 8-4-59, Cl. 206-59.
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- Boole, Myron C. 2,886,863.
- Revin, Milton R. Accessory clamp. 2,896,896, 7-28-59, Cl. 248-239.
- Rex, Frederick T., and H. M. Weiss, to Pulman Safety Equipment Corp. Face shield. 2,915,756, 12-8-59, Cl. 2-8.
- Rex, Harold B. Printed transformer. 2,910,662, 10-27-59, Cl. 336-200.
- Rex, Virginia C.: See—
- Rex, Walter A. 2,902,437.
- Rex, Walter A., and Hemminger. 2,913,403.
- Tate, Roger W., Rex, and Hemminger. 2,873,248.
- Rex, Walter A.: See—
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- Rex, Walter A., deceased, by V. C. Rex, administratrix, to Esso Research and Engineering Co. Hydroforming with special heat interchange. 2,902,437, 9-1-59, Cl. 208-159.
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- Rexair, Inc.: See—
- Brock, Clarence A. 2,899,216.
- Rexall Drug Co.: See—
- Hurst, Edward. 2,918,762.
- Rexford, Donald L., to General Electric Co. Hydraulic speed governing system with reset relay. 2,878,785, 3-24-59, Cl. 121-42.
- Rexon, Lester, to Victor Development Co. Light pulse responsive registration devices. 2,907,890, 10-6-59, Cl. 250-222.
- Rexroad, James O., and W. F. Born, to Westinghouse Electric Corp. Operating mechanism for enclosed circuit interrupters. 2,894,084, 7-7-59, Cl. 200-50.
- Rev, Jean F. Boring, drilling and tapping machine. 2,889,724, 6-9-59, Cl. 77-28.
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- Reymann, George L.: See—
- Gray, Daniel M., and Reymann. Re. 24,702.
- Reymann, Maria A., Jr.: See—
- Day, Carl L., Fauth, Finke, and Reymann. 2,896,674.
- Reymond, Paul E. Winding up mechanism for time-pieces. 2,903,844, 9-15-59, Cl. 58-46.
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- Reynaud, Jean: See—
- Huber, Harry, Freytag, and Reynaud. 2,881,512.
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- Reynolds, Alfred O.: See—
- Spengler, Ralph A., Reynolds, and Snyder. 2,881,680.
- Reynolds, Andrew C., Jr.: See—
- Shafer, Orville B., and Reynolds. 2,910,234.
- Reynolds, Clarence R., S. C. Asad, and W. R. Boodey, to The Cleveland Skate Co., Inc. Combined truck and toe stop for roller skates. 2,899,209, 8-11-59, Cl. 280-11.2.
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- Varnhagen, Stephen J. 2,900,643.
- Reynolds, Coy. Method and apparatus for buffing shoe soles. 2,895,263, 7-21-59, Cl. 51-139.
- Reynolds, Donald C., and S. J. Czyzak, to United States of America, Air Force. Apparatus for growing crystals. 2,907,643, 10-6-59, Cl. 23-273.
- Reynolds, Donald K., to General Electric Co. Magnetic record testing means. Re. 24,641, 4-28-59, Cl. 324-34.
- Reynolds, Donald K., to General Electric Co. Magnetic recording system. 2,894,796, 7-14-59, Cl. 346-74.



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- Reynolds, Edward E.: See—  
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- Reynolds, Eugene E., to Smith-Corona Marchant Inc. Overthrow preventing lock mechanism for numeral wheels. 2,896,847. 7-28-59, Cl. 233-131.
- Reynolds, Eugene S.: See—  
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- Reynolds, Frederick L.: See—  
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- Reynolds, Harold C.: See—  
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- Reynolds, John A., and E. Slagle, to Picker X-Ray Corp. Waite Mfg. Division, Inc. Wall exposure safety circuit for radiation protection. 2,880,327. 3-31-59, Cl. 250-95.
- Reynolds, John H. Low beam adjustable cultivator. 2,889,889. 6-9-59, Cl. 172-354.
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- Reynolds, Kenneth L. Vegetable shovel and conveyor construction. 2,876,883. 3-10-59, Cl. 198-7.
- Reynolds, Kenneth W., to General Electric Co. Rotary indexing machine. 2,887,905. 5-26-59, Cl. 74-821.
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- Reynolds Metals Co.: See—  
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- Dillen, Warren A. 2,869,263.
- Evans, Lyon D. 2,895,182.
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- Hall, James A. 2,908,149.
- Jacke, Raymond E. 2,913,165.
- Kamlet, Jonas. 2,871,244.
- Kulesza, Chester P. 2,870,954.
- Mitchell, Randolph N. 2,883,172.
- Mostovych, Nicholas, and Cybriwsky. 2,901,412.
- Ramirez, Ernest R. 2,884,344.
- Staley, John. 2,913,384.
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- Staley, John, and Lewis. 2,879,320.
- Thomas, Jesse B., and Wolff. 2,908,070.
- Wilson, John B. 2,898,974.
- Reynolds Pen Co.: See—  
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- Reynolds, R. J., Tobacco Co.: See—  
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- Harwood, Edgar H. 2,886,041.
- Hoover, Kenneth H. 2,886,042.
- Schumacher, Joseph N. 2,905,576.
- Sherrill, Joseph H. 2,870,584.
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- Teague, Claude E., Jr. 2,869,557.
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- Reynolds, Ralph W., to Holcomb & Hoke Mfg. Inc. Folding door structure. 2,915,114. 12-1-59, Cl. 160-84.
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- Reynolds, Vining T., to Southwestern Industrial Electronics Co. Vibration recording device. 2,875,017. 2-24-59, Cl. 346-109.
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- Reynolds, William B., J. E. Wicklatz, and T. J. Kennedy, to Phillips Petroleum Co. Emulsion polymerization with tri-substituted hydroperoxy methanes. 2,908,665. 10-13-59, Cl. 260-63.
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- Reynst, Maximilien F., to North American Phillips Co., Inc. Magnetic field-producing device. 2,873,413. 2-10-59, Cl. 317-200.
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- Reys, John, to Falls Industries, Inc. Heat exchanger. 2,887,303. 5-19-59, Cl. 257-241.
- Reznek, Solomon, to Cook-Waite Laboratories, Inc. Aspirating cartridge syringe. 2,895,473. 7-21-59, Cl. 128-218.
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- Pearl, Leland L., and Kettman. 2,907,701.
- Racheter, George R., and Alberts. 2,876,695.
- Rhees, Mark C. Method of blood plasma prothrombin time determinations. 2,878,715. 3-24-59, Cl. 88-14.
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- Rheinische Gummi- und Celluloid-Fabrik: See—  
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- Wilkenloh, Wilhelm, Jäger, and Kuenapfel. 2,910,281.
- Rheinstrom, James A., to The Karl Kiefer Machine Co. Valve means for pressurized container. 2,890,517. 6-16-59, Cl. 222-394.
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- Rheostat Co. Ltd.: See—  
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- Steghart, Fritz L. F., and Kershaw. 2,917,702.
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- Rhett, Haskell S. Finger guard mechanism for jointers. 2,895,517. 7-21-59, Cl. 144-251.
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- Rhindress, Walter H. Device for cutting and cleaning commutator grooves. 2,918,851. 12-29-59, Cl. 90-15.
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- Rhoades, John S.: See—  
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- Rhodes, Albert J.: See—  
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- Rentz, Frank and A.** Line compensator having interchangeable weights. 2,892,282, 6-30-59, Cl. 43-42.72.
- Renvall, Bengt G. J.**: See—  
Renvall, Erik J. 2,902,992.
- Renvall, Erik J.**, deceased; by B. G. J. Renvall, administrator. Bellows mechanism for artificial respiration. 2,902,992, 9-8-59, Cl. 128-29.
- Renz, Emil K.**, and G. Miller, to Knight Leather Products, Inc. Toilet case with a spring actuated cover. 2,901,017, 8-25-59, Cl. 150-3.
- Renz, George H.** Mechanically driven tachometer indicator. 2,884,238, 4-28-59, Cl. 264-13.
- Renz, Jany**: See—  
Stoll, Arthur, Bourquin, and Renz. 2,902,491.
- Repach, Steve J.**, to Call-Quilt Furniture Corp. Lounge chair with leg rest. 2,893,472, 7-7-59, Cl. 155-106.
- Repach, Steve J.**, to Call-Quilt Furniture Corp. Furniture construction. 2,893,477, 7-7-59, Cl. 155-191.
- Repach, Steve J.**, to Call-Quilt Furniture Corp. Variable pitch tilting seat and backrest mounting. 2,903,046, 9-8-59, Cl. 155-116.
- Repick, Dominic J.** Method of fabrication of condenser strip hydrophones. 2,874,418, 2-24-59, Cl. 18-59.
- Repke, Edward P.**, to Clark Equipment Co. Machine for handling semitrailers. 2,867,451, 1-6-59, Cl. 280-479.
- Repke, Edward P.**, to Clark Equipment Co. Loading and unloading means for industrial trucks. 2,905,349, 9-22-59, Cl. 214-750.
- Repke, Edward P.**, and D. Wight, to Clark Equipment Co. Load handling device for industrial trucks. 2,877,910, 3-17-59, Cl. 214-750.
- Repking, Edward F.**, to Crown Zellerbach Corp. Convertible shipping container and method of producing same. 2,891,710, 6-23-59, Cl. 229-16.
- Replogle, Frank S., Jr.**: See—  
Kirchner, Francois F., and Replogle. 2,917,682.
- Repokis, Henry**: See—  
Gagarine, Dmitry M., and Repokis. 2,874,069.
- Repokis, Dmitry M.**, and Repokis. 2,901,451.
- Repp, Allen B.**: See—  
Brown, Gordon V., and Repp. 2,908,378.
- Repp, Walter, and R. Stadler**, to Badische Anilin & Soda-Fabrik Akt. Acrylic acid ester production. 2,883,418, 4-21-59, Cl. 260-479.
- Repp, Walter, F. Reicheneder, K. Dury, and H. Suter**, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Production of cyclooctatetraene. 2,903,491, 9-8-59, Cl. 260-666.
- Repp, Walter, F. Reicheneder, K. Dury, and A. Zieger**, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Production of cyclo-octa-tetraene. 2,912,472, 11-10-59, Cl. 260-666.
- Repp, Walter H.-J. Riedl, and O. von Schickh**, to Badische Anilin & Soda-Fabrik Akt. Production of cycloaliphatic ketoximes and their hydrochlorides. 2,879,215, 3-24-59, Cl. 204-158.
- Reppert, Karl, to J. Erhard**. Butterfly valves. 2,876,984, 3-10-59, Cl. 251-175.
- Reppert, Karl, to Firma Johannes Erhard**. Butterfly valve with sealing ring movably mounted for accommodation to seat. 2,888,036, 5-26-59, Cl. 137-527.4.
- Republic Aviation Corp.**: See—  
Branker, Hoffman E. 2,895,080.
- Bringewald, August R.** 2,908,238.
- Cravero, Joseph A.** 2,901,919.
- Cravero, Joseph A.** 2,906,474.
- Farnsworth, Walter M., and Kennedy**. 2,913,786.
- Gargani, Emil P., and Weiner**. 2,904,750.
- Haase, Harry H.** 2,879,016.
- Harmon, William C.** 2,914,726.
- Kucyn, Chester J.** 2,909,641.
- Markil, Franklin S.** 2,877,688.
- Mayhew, William E., and de Cardl**. 2,903,848.
- O'Donnell, William J.** 2,896,408.
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- Peters, Hans M.** 2,879,088.
- Rathgeber, Eric F.** 2,887,136.
- Stegler, Richard E.** 2,908,797.
- Zinkowski, Charles N.** 2,914,896.
- Republic Flow Meters Co.**: See—  
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- Republic Mfg. Co.**: See—  
Christensen, Norman B. 2,905,462.
- Republic Molding Corp.**: See—  
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- Schaefer, Robert L.** 2,916,161.
- Republic Steel Corp.**: See—  
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- Daugherty, Charles C.** 2,890,103.
- Daugherty, Charles C.** 2,890,104.
- Dickerson, Julian D.** 2,876,095.
- Farrar, Alvin J.** 2,897,995.
- Graham, Marion E., Reed, and Holman**. 2,875,035.
- Horvath, Joseph**. 2,878,709.
- Meunier, Frederick A.** 2,871,940.
- Reed, William A., and Swanson**. 2,903,354.
- Ripple, Lewis M.** 2,888,981.
- Shepard, George A.** 2,886,498.
- Requa, Roy**. Headrest accessory. 2,874,757, 2-24-59, Cl. 155-173.
- Reques, Ignacio L.** Hydraulic brake system. 2,867,296, 1-6-59, Cl. 188-76.
- Rescue Lite Inc.**: See—  
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- Research Corp.**: See—  
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- Camp, Leon W.** 2,879,496.
- Cassidy, Harold G.** 2,906,736.
- Cassidy, Harold G., and Ezrin**. 2,900,353.
- Coffin, Stewart T.** 2,902,600.
- Doumas, Arthur C., and Murphy**. 2,902,416.
- Dyke, Walter P., and Barbour**. 2,916,668.
- Everhart, Edgar, and Lorrain**. 2,888,629.
- Giser, Samuel**. 2,900,137.
- Hall, Howard T.** 2,918,699.
- Hazen, David C., and Ringleb**. 2,894,703.
- Kallmann, Hartmut P., and Rosenberg**. 2,892,968.
- Lee, Shih-Ying**. 2,875,782.
- Martin, Eugene E.** 2,886,736.
- Matteson, Benjamin H., Hughes, and Ayer**. 2,910,627.
- McBee, Earl T., and Pierce**. 2,892,859.
- McBee, Earl T., Pierce, and Metz**. 2,899,454.
- Seamans, Robert C., Jr., Whitaker, Wilkins, and Wingate**. 2,868,481.
- Shelden, Charles H.** 2,873,742.
- Spitzer, Lyman, Jr.** 2,910,414.
- Stanton, Harold S.** 2,904,032.
- Von Hippel, Arthur R., Powers, and Green**. 2,909,662.
- Wintermute, Harry A.** 2,867,285.
- Wintermute, Harry A.** 2,867,573.
- Wintermute, Harry A.** 2,895,563.
- Wintermute, Harry A.** 2,896,741.
- Wintermute, Harry A.** 2,898,532.
- Wintermute, Harry A.** 2,904,178.
- Wintermute, Harry A.** 2,907,707.
- Woodward, Robert B.** 2,883,384.
- Woolley, Dilworth, and Shaw**. 2,890,223.
- Young, Frank M., and Naylor**. 2,907,878.
- Research-Cottrell, Inc.**: See—  
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- Silverman, Leslie**. 2,913,232.
- Silverman, Leslie**. 2,918,139.
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- Research Council of Israel, The**: See—  
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- Research Engineering Associates**: See—  
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- Research Interests Ltd.**: See—  
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- Research Laboratories, Inc.**: See—  
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- Reser, George G., C. J. Pickens, Sr., and C. O. Schmidt, Jr.**, to The Cincinnati Butchers' Supply Co. Excoriator. 2,885,726, 5-12-59, Cl. 17-21.
- Reserve Mining Co.**: See—  
Henderson, Ashland S., Cross, and Riede. 2,888,026.
- Henderson, Ashland S., Cross, and Riede**. 2,909,303.
- Kingsbury, Chester L., Jr.** 2,919,024.
- Wynne, Ira H.** 2,870,909.
- Resistance Welders Ltd.**: See—  
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- Resistoflex Corp.**: See—  
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- Schnabel, Ernst**. 2,883,513.
- Vanderhoof, Alton S.** 2,889,581.
- Vanderhoof, Alton S.** 2,889,733.
- Resk, Richard E.** Vaporizers. 2,881,303, 4-7-59, Cl. 219-44.
- Reslock, Alfred M.**: See—  
Hupert, Julius J., Maciszewski, and Reslock. 2,905,886.
- Resnick, Charles**. Gun holster. 2,917,214, 12-15-59, Cl. 224-2.
- Resnick, Leroy D.**: See—  
Dean, Reginald S., and Resnick. 2,881,055.
- Resources Research, Inc.**: See—  
Gelman, Charles. 2,880,071.
- Reas, Thomas I., and E. C. Greanias**, to International Business Machines Corp. Reading apparatus. 2,919,425, 12-29-59, Cl. 340-149.
- Ressegule, Robert E.**: See—  
Gelenius, Robert B., and Ressegule. 2,875,634.
- Resler, Hugh C.**, to Hogan Laboratories, Inc. Synchronous detector circuit. 2,881,312, 4-7-59, Cl. 250-27.
- Resler, Newton**. Method of electrophoresis of serum proteins. Re. 24,752, 12-15-59, Cl. 204-180.
- Reswick, James B., and A. R. Williams**; said Reswick assor. to said Williams. Inertia brake control system. 2,892,600, 6-30-59, Cl. 303-21.

- Reter, Harold**: See—  
Rohwer, Robert G., Cadotte, and Reter. 2,901,382.
- Rethwisch, Francis B.**: See—  
Babcock, Gordon M., Frederick, and Rethwisch. 2,903,435.
- Babcock, Gordon M., Rethwisch, and Woosley**. 2,904,525.
- Retor Developments Ltd.**: See—  
Magor, Lincoln S. 2,903,233.
- Retornaz, Francois**. Device for automatic lubrication of cylinders. 2,918,142, 12-22-59, Cl. 184-6.
- Rettie, George W., and R. D. Hotchkiss**. Fire and burglar alarm system. 2,905,762, 9-22-59, Cl. 179-5.
- Rettig, Vernon E.**, to Deere & Co. Gathering and snapping structure for a corn harvester. 2,906,083, 9-29-59, Cl. 56-111.
- Rettinger, Michael, to Radio Corp. of America**. Method of constructing magnetic heads. 2,915,812, 12-8-59, Cl. 29-155.59.
- Retzer, Theodore C.**, to Westinghouse Electric Corp. Starting and operating circuit for gaseous discharge lamps. 2,916,671, 12-8-59, Cl. 315-239.
- Retzer, Theodore C., and R. A. Gingras**, to Westinghouse Electric Corp. Ribbon seal and method of fabrication. 2,876,377, 3-3-59, Cl. 313-184.
- Retzer, Theodore C., and R. C. Meola**, to Westinghouse Electric Corp. Starting circuit for gaseous discharge lamps. 2,916,669, 12-8-59, Cl. 315-183.
- Retzinger, Leo P., Jr.**, to Librascope, Inc. Digital-to-analog converter. 2,914,758, 11-24-59, Cl. 340-347.
- Retzlaff, Allen H.**: See—  
Brumbaugh, Joseph F., and Retzlaff. 2,872,576.
- Reuber, Rudolf**: See—  
Reuter, Martin, Orthner, and Reuber. 2,877,248.
- Reuhl Products, Inc.**: See—  
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- Reurman, Theodor, and C. A. S. Hamelink**; said Hamelink assor. to W. H. T. Helmig. Check symbol computer. 2,896,239, 5-12-59, Cl. 235-153.
- Reurman, Theodor, and W. H. T. Helmig**. Devices for determining check symbols. 2,888,199, 5-26-59, Cl. 235-153.
- Reussenzehn, Ernest A.**: See—  
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- Reussenzehn, Ernest A., and H. Goldberg**, to The Hobart Mfg. Co. Computing scale. 2,906,233, 9-29-59, Cl. 116-129.
- Reuter, Erich R.**: See—  
Stoll, Walter W., and Reuter. 2,906,350.
- Reuter, Franz G.**, to Mobay Chemical Co. Polishing instrument. 2,881,065, 4-7-59, Cl. 51-298.
- Reuter, Franz G.**, to Mobay Chemical Co. Vehicle tire. 2,902,072, 9-1-59, Cl. 152-330.
- Reuter, Franz G., J. Ulderup, and E. Kniepkamp**, to Mobay Chemical Co. Cushion for endless tracks. 2,917,347, 12-15-59, Cl. 305-38.
- Reuter, Franz G., J. Ulderup, and E. Kniepkamp**, to Mobay Chemical Co. Cushion for tractor tracks and the like. 2,917,348, 12-15-59, Cl. 305-38.
- Reuter, Gottfried, and H. Kordes**, to Firma Klockner-Georgsmarienwerke Akt. Method of casting resilient cushioning members for wheels. 2,895,175, 7-21-59, Cl. 18-59.
- Reuter, Henry G., Jr.**: See—  
Stavrakis, Alexander, and Reuter. 2,910,964.
- Reuter, Martin, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning**. Process for preparing quaternary phosphonium compounds. 2,912,466, 11-10-59, Cl. 260-606.5.
- Reuter, Martin, L. Orthner, and R. Reuber**, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Aluminum compounds soluble in organic solvents and process of preparing them. 2,877,248, 3-10-59, Cl. 260-414.
- Reuter, Paul L., and E. Weiss**, to Bendix Aviation Corp. Variable computing method and apparatus. 2,896,464, 7-28-59, Cl. 74-394.
- Reuther, John F., and S. D. Silliman**, to Westinghouse Electric Corp. Frequency halver. 2,892,102, 6-23-59, Cl. 307-88.5.
- Reutt, Zigmund, to Armstrong Siddeley Motors Ltd.** Plastic blades, particularly for a compressor rotor of a gas turbine engine. 2,868,441, 1-13-59, Cl. 230-134.
- Revco, Inc.**: See—  
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- Revcor, Inc.**: See—  
Kochevar, Joseph F., and Reichwein. 2,915,240.
- Reveka, Stanley, to The Lionel Corp.** Toy locomotive headlights. 2,883,796, 4-28-59, Cl. 46-226.
- Reverdin, Daniel, to Compagnie Generale de Telegraphie Sans Fil**. Delay lines for crossed field tubes. 2,889,488, 6-2-59, Cl. 315-39.3.
- Revere Camera Co.**: See—  
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- Briskin, Theodore S., Moore, and Rom**. 2,909,098.
- Brueckner, Hubert U., Fluskey, Pellar, and Ptaszek**. 2,880,555.
- Claras, Carl W.** 2,897,289.
- Lustig, Frank C.** 2,906,163.
- Lustig, Frank C.** 2,910,957.
- Moore, Robert L., and Pastor**. 2,877,958.
- Pastor, Sheldon L.** 2,907,190.
- Revere Copper and Brass, Inc.**: See—  
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- Revere Corp. of America**: See—  
MacDonald, Dennison H. 2,867,707.
- MacDonald, Dennison H.** 2,896,084.
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- Revere Electric Mfg. Co.**: See—  
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- Revere, Paul E., and G. H. Keith**, to Westinghouse Electric Corp. Manufacture of molybdenum and alloys thereof. 2,903,385, 9-8-59, Cl. 148-11.5.
- Reves, Wilson A., G. L. Drake, Jr., and J. D. Guthrie**, to United States of America, Agriculture. Aziridine-carboxylic acid polymers. 2,915,480, 12-1-59, Cl. 260-2.
- Revis Co.**: See—  
Hankus, Chester P. 2,887,220.
- Hankus, Chester P.** 2,889,650.
- Revoir, Harold J.**, to Minnesota Mining and Mfg. Co. Pressure-sensitive adhesive tape. 2,897,960, 8-4-59, Cl. 206-59.
- Revolver Corp.**: See—  
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- Revin, Milton R.** Accessory clamp. 2,896,896, 7-28-59, Cl. 248-229.
- Rex, Frederick T., and H. M. Weiss**, to Pulman Safety Equipment Corp. Face shield. 2,915,756, 12-8-59, Cl. 2-8.
- Rex, Harold B.** Printed transformer. 2,910,662, 10-27-59, Cl. 336-200.
- Rex, Virginia C.**: See—  
Rex, Walter A. 2,902,437.
- Rex, Walter A., and Hemminger**. 2,913,403.
- Tate, Roger W., Rex, and Hemminger**. 2,873,248.
- Rex, Walter A.**: See—  
Tate, Roger W., Rex, and Hemminger. 2,873,248.
- Rex, Walter A., deceased, by V. C. Rex, administratrix, to Esso Research and Engineering Co.** Hydroforming with special heat interchange. 2,902,437, 9-1-59, Cl. 208-159.
- Rex, Walter A., deceased, by V. C. Rex, administratrix, and C. E. Hemminger, to Esso Research and Engineering Co.** Non-regenerative fluid hydroforming with a platinum containing catalyst. 2,913,403, 11-17-59, Cl. 208-138.
- Rexair, Inc.**: See—  
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- Rexall Drug Co.**: See—  
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- Rexford, Donald L.**, to General Electric Co. Hydraulic speed governing system with reset relay. 2,878,785, 3-24-59, Cl. 121-42.
- Rexon, Lester, to Victor Development Co.** Light pulse responsive registration devices. 2,907,890, 10-6-59, Cl. 250-222.
- Rexroad, James O., and W. F. Born**, to Westinghouse Electric Corp. Operating mechanism for enclosed circuit interrupters. 2,894,084, 7-7-59, Cl. 200-50.
- Rey, Jean F.** Boring, drilling and tapping machine. 2,889,724, 6-9-59, Cl. 77-28.
- Rey, Marcel, to Etablissements Rey Freres & Cie.** Detonating fuse. 2,877,708, 3-17-59, Cl. 102-27.
- Reyerson, Lloyd H., and L. E. Peterson**, to Regents of the University of Minnesota. Method of altering the physical characteristics of linear condensation polymers with anhydrous hydrogen halide gas. 2,876,524, 3-10-59, Cl. 28-72.
- Reymann, George L.**: See—  
Gray, Daniel M., and Reymann. Re. 24,702.
- Reymann, Maria A., Jr.**: See—  
Day, Carl L., Fauth, Finkle, and Reymann. 2,896,674.
- Reymond, Paul E.** Winding up mechanism for time-pieces. 2,903,844, 9-15-59, Cl. 58-46.
- Reymond, Paul E.** Winding up mechanism for time-pieces. 2,903,845, 9-15-59, Cl. 58-46.
- Reymoneng, Gaston, and P. Onvrard**, to Antar Petroles de l'Atlantique. Remote metering system. 2,869,113, 1-13-59, Cl. 340-206.
- Reynard, Chauncey G.**, to Radio Corp. of America. Gun assembly aligning device. 2,876,554, 3-10-59, Cl. 33-181.
- Reynard, Chauncey G.**, to Radio Corp. of America. Toggle actuated bulb clamp. 2,886,336, 6-12-59, Cl. 279-118.
- Reynaud, Jean**: See—  
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- Huber, Harry, Freytag, and Reynaud**. 2,913,812.
- Reynolds, Alfred O.**: See—  
Spengler, Ralph A., Reynolds, and Snyder. 2,881,680.
- Reynolds, Andrew C., Jr.**: See—  
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- Reynolds, Clarence R., S. C. Asad, and W. R. Boodey**, to The Cleveland Skate Co., Inc. Combined truck and toe stop for roller skates. 2,899,209, 8-11-59, Cl. 280-11.2.
- Reynolds Co., The**: See—  
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- Reynolds, Coy.** Method and apparatus for buffing shoe soles. 2,895,263, 7-21-59, Cl. 51-139.
- Reynolds, Donald C., and S. J. Czynak**, to United States of America, Air Force. Apparatus for growing crystals. 2,907,643, 10-6-59, Cl. 23-273.
- Reynolds, Donald K.**, to General Electric Co. Magnetic record testing means. Re. 24,641, 4-28-59, Cl. 324-34.
- Reynolds, Donald K.**, to General Electric Co. Magnetic recording system. 2,894,796, 7-14-59, Cl. 346-74.



- Reynolds, Donald S., and R. J. Thorn, to Automatic Canteen Co. of America. Automatic article dispenser. 2,893,598. 7-7-59, Cl. 221-248.
- Reynolds, Edward E.: See—  
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- Reynolds, Eugene E., to Smith-Corona Marchant Inc. Overthrow preventing lock mechanism for numeral wheels. 2,896,847, 7-28-59, Cl. 235-131.
- Reynolds, Eugene S.: See—  
Onksen, George W., and Reynolds. 2,890,827.
- Reynolds, Frederick L.: See—  
Prescott, Charles H., Jr., and Reynolds. 2,868,636.
- Reynolds, Harold C.: See—  
Gattiker, Albert F., Jr., and Reynolds. 2,893,719.
- Reynolds, Harold C., to Ingersoll-Rand Co. Control for hoists. 2,874,989, 2-24-59, Cl. 294-64.
- Reynolds, Harold C., to Ingersoll-Rand Co. Fastener rotating and feeding device. 2,878,700, 3-24-59, Cl. 81-54.
- Reynolds, Harold C., to Ingersoll-Rand Co. Gas pressure operated trip valve. 2,889,132, 6-2-59, Cl. 251-33.
- Reynolds, John A., and E. Slagle, to Picker X-Ray Corp. Waite Mfg. Division, Inc. Wall exposure safety circuit for radiation protection. 2,880,327, 3-31-59, Cl. 250-95.
- Reynolds, John H. Low beam adjustable cultivator. 2,889,889, 6-9-59, Cl. 172-354.
- Reynolds, John M. Bottle dispensing mechanism. 2,889,074, 6-2-59, Cl. 221-108.
- Reynolds, Joseph F.: See—  
Bailey, Nathaniel A., Pasowicz, and Reynolds. 2,901,437.
- Reynolds, Julian L. Laminate for wrapping precooked frozen food. 2,902,396, 9-1-59, Cl. 154-50.
- Reynolds, Kenneth L. Vegetable shovel and conveyor construction. 2,876,886, 3-10-59, Cl. 198-7.
- Reynolds, Kenneth W., to General Electric Co. Rotary indexing machine. 2,887,905, 5-26-59, Cl. 74-821.
- Reynolds, Kenneth W., and C. S. Terez, to General Electric Co. Lamp transfer apparatus. 2,904,192, 9-15-59, Cl. 214-1.
- Reynolds, Linton C., and J. W. Shirley, to Riegel Textile Corp. Means for producing a textile fabric having exceptional wear resistance. 2,893,315, 7-7-59, Cl. 101-119.
- Reynolds Metals Co.: See—  
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- Babcock, Gordon M., Rethwisch, and Woosley. 2,904,525.
- Dillen, Warren A. 2,869,263.
- Evans, Lyon D. 2,895,182.
- Evans, Lyon D., and Hebert. 2,869,691.
- Hall, James A. 2,908,149.
- Jacke, Raymond E. 2,913,165.
- Kamlet, Jonas. 2,871,244.
- Kulesza, Chester P. 2,870,954.
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- Staley, John. 2,918,649.
- Staley, John, and Lewis. 2,879,320.
- Thomas, Jesse B., and Wolf. 2,908,070.
- Wilson, John B. 2,898,974.
- Reynolds Pen Co.: See—  
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- Reynolds, R. J. Tobacco Co.: See—  
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- Hoover, Kenneth H. 2,886,042.
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- Sherrill, Joseph H. 2,870,584.
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- Teague, Claude E., Jr. 2,869,557.
- Teague, Claude E., Jr. 2,872,360.
- Teague, Claude E., Jr. 2,899,464.
- Reynolds, Ralph C.: See—  
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- Reynolds, Ralph W., to Holcomb & Hoke Mfg. Inc. Folding door structure. 2,915,114, 12-1-59, Cl. 160-84.
- Reynolds, Ralph W., to Holcomb & Hoke Mfg. Co., Inc. Sound retardant flexible room divider. 2,915,115, 12-1-59, Cl. 160-84.
- Reynolds, Richard J., to Shell Development Co. Process for stabilizing oil-extended rubber. 2,912,407, 11-10-59, Cl. 260-33.6.
- Reynolds, Schuyler. Competitive hammering toy apparatus. 2,871,618, 2-3-59, Cl. 46-1.
- Reynolds, Vinling T., to Southwestern Industrial Electronics Co. Vibration recording device. 2,875,017, 2-24-59, Cl. 346-100.
- Reynolds, Walter J., to Lynch Corp. Weighing scale with sensitivity adjustment means. 2,891,750, 6-23-59, Cl. 265-49.
- Reynolds, Walter J., to Lynch Corp. Gross weighing head for produce bagging machine. 2,903,216, 9-8-59, Cl. 248-101.
- Reynolds, William B., to Phillips Petroleum Co. Polymerization of olefins by mechanical activation process. 2,899,418, 8-11-59, Cl. 260-94.9.
- Reynolds, William B., and P. G. Carpenter, to Phillips Petroleum Co. Synthetic rubber composition containing rosin acid and dithiocarbamate accelerating agent and method of producing same. 2,870,107, 1-20-59, Cl. 260-27.
- Reynolds, William B., and B. H. Ashe, Jr., to Phillips Petroleum Co. Polymers and method of making the same. 2,886,561, 5-12-59, Cl. 260-94.9.
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Brubaker, John G., Wassel, and Reynolds. 2,900,876.
- Reynolds, Zack D.: See—  
Harwood, Robert H., Reynolds, and Hedger. 2,881,535.
- Reynoldson, Alvin G. Method of increasing the moisture content of soils and preventing wind erosion. 2,907,140, 10-6-59, Cl. 47-58.
- Reynst, Maximilien F., to North American Phillips Co., Inc. Magnetic field-producing device. 2,873,413, 2-10-59, Cl. 317-200.
- Reynolds, A., and Co. Ltd.: See—  
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- Reys, John, to Falls Industries, Inc. Heat exchanger. 2,887,303, 5-19-59, Cl. 257-241.
- Reznek, Solomon, to Cook-Waite Laboratories, Inc. Aspirating cartridge syringe. 2,895,473, 7-21-59, Cl. 128-218.
- Reznek, Solomon, to Cook-Waite Laboratories, Inc. Aspirating cartridge syringe. 2,895,474, 7-21-59, Cl. 128-218.
- Rhea Mfg. Co.: See—  
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- Rheem Mfg. Co.: See—  
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- Pearl, Leland L., and Kettman. 2,907,701.
- Racheter, George R., and Alberts. 2,876,695.
- Rhees, Mark C. Method of blood plasma prothrombin time determinations. 2,878,715, 3-24-59, Cl. 88-14.
- Rhein-Chemie G.m.b.H.: See—  
Kern, Rudolf, and Grohs. 2,891,016.
- Kern, Rudolf, Grohs, and Blumel. 2,891,017.
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- Rheinisch-Westfälische "Revision Treuhand Akt." (Treuhand Akt.): See—  
Schwank, Gunther. 2,870,830.
- Rheinische Gummi- und Celluloid-Fabrik: See—  
Hanf, Wilhelm. 2,904,931.
- Rheinmetall Akt.: See—  
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- Kölbel, Herbert, and Engelhardt. 2,917,531.
- Rheinisch-Siegener Eisenbahnbedarf Akt.: See—  
Brill, Fritz, and Raab. 2,881,713.
- Trumper, Konrad. 2,904,077.
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- Wilkenloh, Wilhelm, Jäger, and Koenapfel. 2,910,281.
- Rheinstrom, James A., to The Karl Kiefer Machine Co. Valve means for pressurized container. 2,890,817, 6-16-59, Cl. 222-394.
- Rhem, William F.: See—  
West, Clifton F., Rhem, and Wethington. 2,876,610.
- Rheostatic Co. Ltd.: See—  
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- Steghart, Fritz L. F., and Kershaw. 2,917,702.
- Surgeoner, David H. 2,871,316.
- Rhett, Haskell S. Finger guard mechanism for jointers. 2,895,517, 7-21-59, Cl. 144-251.
- Rhett, Haskell S. Shaper guard with auxiliary finger protectors. 2,895,518, 7-21-59, Cl. 144-251.
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Brüninghaus, Paul. 2,880,871.
- Rhindress, Walter H. Device for cutting and cleaning commutator grooves. 2,918,851, 12-29-59, Cl. 90-15.
- Rhoades, Harry L., Jr.: See—  
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- Baker, Albert A., and Rhoades. 2,881,921.
- Baker, Albert A., and Rhoades. 2,888,138.
- Baker, Albert A., and Rhoades. 2,901,270.
- Rhoades, John S.: See—  
Gardiner, Donald A., Jr., and Rhoades. 2,880,860.
- Rhoades, Nolan K., and M. S. Baker, deceased (by Merchants & Savings Bank, administrator), to The Parker Pen Co. Receptacle for receiving and enclosing the writing end of a fountain pen. 2,916,013, 12-8-59, Cl. 120-42.01.
- Rhoads, Stanley. Plastic open end wrench. 2,909,954, 10-27-59, Cl. 81-186.
- Rhoda, Richard N., and A. M. Madison, to The International Nickel Co., Inc. Palladium plating by chemical reduction. 2,915,406, 12-1-59, Cl. 106-1.
- Rhode, Edward C. Speed control device. 2,903,905, 9-15-59, Cl. 74-513.
- Rhodes, Albert J.: See—  
McCarthy, Charles S., Koskela, and Rhodes. 2,905,024.

- Rhodes, Albert J., to American Forging & Socket Co. Hood hinge assembly. 2,904,822, 9-22-59, Cl. 16-128.1.
- Rhodes, Allen F., to McEvoy Co. Tubing pack off for tandem dual bore integral manifold valve. 2,885,005, 5-5-59, Cl. 166-75.
- Rhodes, Charles J. Pressure-responsive overload release devices. 2,912,037, 11-10-59, Cl. 153-21.
- Rhodes, Chester E. Elevator hand truck. 2,904,201, 9-15-59, Cl. 214-515.
- Rhodes, Chester R.: See—  
Eisenberg, Irwin W., Dibble, Armstrong, Love and Rhodes. 2,905,776.
- Rhodes, Gilbert L. Safety bottle closure. 2,881,934, 4-14-59, Cl. 215-9.
- Rhodes, Harrison B., W. F. Pesold, and J. M. Hirschon, to United States of America, Atomic Energy Commission. Recovery of uranium from low grade uranium bearing ores. 2,890,099, 6-9-59, Cl. 23-14.5.
- Rhodes, Hubert F., to Phillips Petroleum Co. Heat exchanger. 2,916,264, 12-8-59, Cl. 257-239.
- Rhodes, John W., to General Motors Corp. Motion transmitting connection. 2,896,474, 7-28-59, Cl. 74-522.
- Rhodes, M. H., Inc.: See—  
Laviana, Lawrence J. 2,913,048.
- Rhodes, Philip H.: See—  
Szukiewicz, Wacław, Steimle, and Rhodes. 2,898,312.
- Rhodes, Philip H., and P. L. Imes: said Imes assor. to said Rhodes. Thermoplastic composition plasticized with a mixed diester plasticizer of an aliphatic diol having two primary alcohol groups. 2,886,545, 5-12-59, Cl. 260-27.
- Rhodes, Roland N.: See—  
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- Preisig, Joseph O., and Rhodes. 2,905,853.
- Rhodes, Roland N., to Radio Corp. of America. Color television receiving system. 2,887,528, 5-19-59, Cl. 178-5.4.
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- Rhodes, Roland N., and C. B. Oakley, to Radio Corp. of America. Automatic frequency control apparatus. 2,896,018, 7-21-59, Cl. 178-5.8.
- Rhodes, Russell D. Containers and closure members therefor. 2,902,191, 9-1-59, Cl. 222-425.
- Rhodes, Thomas J., to United States Rubber Co. Extrusion apparatus. 2,892,212, 6-30-59, Cl. 18-12.
- Rhodes, Thomas J., to United States Rubber Co. Apparatus for making pneumatic tires. 2,897,540, 8-4-59, Cl. 18-5.
- Rhodes, Thomas J., to United States Rubber Co. Method of manufacturing a cellular lined plastic article. 2,907,074, 10-6-59, Cl. 18-59.
- Rhodes, William E., and C. D. Roe, to Robertshaw-Fulton Controls Co. Centrifugal governor switch. 2,884,496, 4-28-59, Cl. 200-80.
- Rhodin, Thor N., Jr., to E. I. du Pont de Nemours and Co. Niobium base high temperature alloys. 2,881,069, 4-7-59, Cl. 75-174.
- Rhodin, Thor N., Jr., to E. I. du Pont de Nemours and Co. High temperature niobium base alloy. 2,882,146, 4-14-59, Cl. 75-174.
- Rhodes, Richard W., to General Precision Laboratory Inc. Radar anti-jamming device. 2,910,691, 10-27-59, Cl. 343-7.
- Rhymney Engineering Co. Ltd.: See—  
Martins, Thomas. 2,901,281.
- Rial, Eugene L., and L. C. Apparatus for storing and dispensing sheet material in roll form. 2,872,125, 2-3-59, Cl. 242-55.42.
- Rial, Lawrence C.: See—  
Rial, Eugene L., and L. C. 2,872,125.
- Riat, Henri: See—  
Fasclati, Alfred, Gunst, Riat, and Seltz. 2,873,269.
- Fasclati, Alfred, and Riat. 2,891,941.
- Riat, Henri, to Ciba Ltd. New direct-dyeing azo-dyestuffs and process for their manufacture. 2,875,103, 2-24-59, Cl. 260-158.
- Riat, Henri, to Ciba Ltd. Triazine monoazo-dyestuffs. 2,903,442, 9-8-59, Cl. 260-153.
- Riat, Henri, and F. Oesterlein, to Ciba Ltd. New monoazo-dyestuffs. 2,906,748, 9-29-59, Cl. 260-199.
- Ribaux, Paul A., to Ford Motor Co. Injection system. 2,898,900, 8-11-59, Cl. 123-139.
- Ribesch, Robert E., and L. Halladay, to Bellingham Chain & Forge Co. Vacuum holder. 2,905,428, 9-22-59, Cl. 248-363.
- Riblet, Henry J. Ultra-high frequency directional coupling apparatus. 2,870,419, 1-20-59, Cl. 333-10.
- Riblet, Henry J. Microwave hybrid junctions. 2,876,421, 3-3-59, Cl. 333-11.
- Riblett, Earl W.: See—  
Horton, William P., Lefrancols, and Riblett. 2,888,397.
- Burton, William P., Lefrancols, and Riblett. 2,913,400.
- Burton, William P., Lefrancols, and Riblett. 2,914,464.
- Riblett, Earl W., W. P. Burton, H. S. Kaufman, and P. A. Lefrancols, to The M. W. Kellogg Co. Reforming of a naphtha with a catalyst composite consisting of a group VI metal compound supported on eta-alumina. 2,913,398, 11-17-59, Cl. 208-136.
- Ribovich, John: See—  
Damon, Glenn H., and Ribovich. 2,906,094.
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- Ricardo & Co., Engineers (1927) Ltd.: See—  
Goldsmith, Walter I. 2,911,963.
- Holt, George A. 2,881,743.
- Holt, George A. 2,898,894.
- Millington, Brian W. 2,911,959.
- Powell, Gerald E. 2,882,843.
- Ricardo, Harry R. 2,881,973.
- Ricardo, Harry R., to Ricardo & Co. Engineers (1927) Ltd. Compressors for air or other gas. 2,881,973, 4-14-59, Cl. 230-186.
- Ricards, Harold A., to Esso Research and Engineering Co. Feed pretreat in hydrocarbon adsorption process. 2,899,474, 8-11-59, Cl. 260-676.
- Ricards, Harold A., to Esso Research and Engineering Co. Conversion of hydrocarbons. 2,913,392, 11-17-59, Cl. 208-73.
- Rice, Anthony J., to Quaker City Metal Weatherstrip Co. Combined weatherstrip and sash balance. 2,885,744, 5-12-59, Cl. 20-12.
- Rieclius, Merrill V., to Chance Vought Aircraft, Inc. Artificial feel mechanism. 2,881,631, 4-14-59, Cl. 74-470.
- Rice, Alfred R.: See—  
Floam, Leonard, and Rice. 2,916,567.
- Rice Barton Corp.: See—  
Clem, Everett W. 2,872,767.
- Clem, Everett W. 2,914,864.
- Goumeniouk, Gleb I. 2,894,581.
- Munton, John P., and Peterson. 2,918,899.
- Rice, Everett L.: See—  
Jarrett, John W., and Rice. 2,917,942.
- Rice, Francis O. Apparatus for determining the volume of a gas in a liquid or gaseous mixture. 2,913,316, 11-17-59, Cl. 23-256.
- Rice, Henry T. M., to A. M. Stevens, by decree of distribution executrix of the estate of D. Stevens, deceased. Multiple stage, predetermined torque release apparatus for tightening threaded fastening elements. 2,893,278, 7-7-59, Cl. 81-52.4.
- Rice, James M., to Union Asbestos & Rubber Co. Device and method for exfoliating and blending asbestos fiber. 2,915,790, 12-8-59, Cl. 19-72.
- Rice, John H. Device for cleaning teeth. 2,872,929, 2-10-59, Cl. 132-91.
- Rice, Joseph: See—  
Bray, Frederick H., King, and Rice. 2,899,500.
- Wright, Esmond P. G., and Rice. 2,868,447.
- Wright, Esmond P. G., and Rice. 2,913,527.
- Wright, Esmond P. G., Rice, and Hunter. 2,871,464.
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- Rice, Leonard M., and C. H. Grogan, to The Geschickter Fund for Medical Research, Inc. N-substituted-3-azabicyclo [3:3:0] octane-2,4-diones and salts thereof. 2,904,548, 9-15-59, Cl. 260-247.1.
- Rice, Leslie B.: See—  
Quick, Carl F., and Rice. 2,898,785.
- Rice, Livingston L., W. C. Lamphier, and P. H. Netherwood, to Sprague Electric Co. Impregnated electrical capacitors. 2,870,385, 1-20-59, Cl. 317-258.
- Rice, Lon C., B. O. Satre, and H. E. Snyder, to Boeing Airplane Co. Welding apparatus and method for welding tubular skin structures. 2,883,517, 4-21-59, Cl. 219-117.
- Rice, Louis F., to The M. W. Kellogg Co. Fluidized catalyst vessels using sloping standpipes. 2,879,145, 3-24-59, Cl. 23-288.
- Rice, Louis F., J. L. Patton, G. F. Timson, and W. R. Partridge, to The M. W. Kellogg Co. Conversion process and apparatus for use therein. 2,900,325, 8-18-59, Cl. 208-78.
- Rice, Lyman A., to General Motors Corp. Switch. 2,867,702, 1-6-59, Cl. 200-87.
- Rice, Lyman A., to General Motors Corp. Regulating circuit for generators. 2,906,939, 9-29-59, Cl. 322-27.
- Rice, Lyman A., to General Motors Corp. Battery charging circuit. 2,908,854, 10-13-59, Cl. 320-40.
- Rice, Lyman A., to General Motors Corp. Regulator relay. 2,913,641, 11-17-59, Cl. 317-176.
- Rice, Lyman A., to General Motors Corp. Tensioning device. 2,914,713, 11-24-59, Cl. 317-176.
- Rice, Norman D., to Inland Steel Products Co. Metaldecking. 2,901,062, 8-25-59, Cl. 189-34.
- Rice, Owen, to Hagan Chemicals & Controls Inc. Ham pumping apparatus. 2,915,958, 12-8-59, Cl. 99-257.
- Rice, Philip K.: See—  
First, Vincent E., Potts, Rice, and Yendall. 2,908,144.
- Rice, Rex, to International Business Machines Corp. Self-reproducing tape control system. 2,911,147, 11-3-59, Cl. 235-61.6.
- Rice, Rex, Jr., M. R. Dilling, and G. Tyson, to Northrop Corp. Digital plotter. 2,898,175, 8-4-59, Cl. 346-23.
- Rice, Ruskin, to The Springfield Tent & Awning Co. Awning and frame for single piece canvas awning construction. 2,875,824, 3-3-59, Cl. 160-58.
- Rice, Theodore, to Gulf Research & Development Co. Method for charging high-boiling hydrocarbons to fluid catalytic conversion processes. 2,904,504, 9-15-59, Cl. 208-157.
- Rice, Walter A., to Mohasco Industries, Inc. Apparatus for making pile fabric. 2,896,670, 7-28-59, Cl. 139-38.
- Rice, William A. Two-way plumb and level. 2,906,031, 9-29-59, Cl. 33-207.
- Rice, William J.: See—  
Klasing, Arthur P., and Rice. 2,880,925.
- Klasing, Arthur P., and Rice. 2,916,053.



- Rice, Willis D.: See—  
Lewis, Edward H., Rice, and Estrin. 2,867,001.  
Rice, Sumner, to Raytheon Co. Directional antenna. 2,915,752, 12-1-59, Cl. 343-842.  
Rich, Barrett G., to Deere & Co. Crankcase ventilating system and duplex air cleaner especially therefor. 2,871,663, 2-3-59, Cl. 60-97.  
Rich, Charles A., Jr., to Morgan Construction Co. Seal. 2,868,574, 1-13-59, Cl. 288-2.  
Rich, Donald G., to Carrier Corp. Rotary regenerator seals. 2,902,267, 9-1-59, Cl. 257-269.  
Rich, Edward L., and R. H. Turner; said Rich assor. to said Turner. Adaptor plugs for cameras. 2,872,857, 2-10-59, Cl. 95-115.  
Rich, Harold, to General Electric Co. A-C wattmeter. 2,897,446, 7-28-49, Cl. 324-142.  
Rich, Harry L., and E. T. Habib, to United States of America, Navy. Shock-spectrum instrument. 2,881,043, 4-7-59, Cl. 346-7.  
Rich, Herbert G., to Fisher Governor Co. Flexible diaphragm flow control valve. 2,877,791, 3-17-59, Cl. 137-487.  
Rich, Jack V., to Bendix Aviation Corp. Forced draft instrument shelter. 2,900,821, 8-25-59, Cl. 73-349.  
Rich, John P.: See—  
Carlsmith, Lawrence A., and Rich. 2,878,116.  
Carlsmith, Lawrence A., and Rich. 2,878,117.  
Rich, John P., O. Luthi, and W. N. Thompson, to Improved Machinery Inc. Intermeshing screw pumps and the like. 2,908,226, 10-13-59, Cl. 103-128.  
Rich, John P., and O. Luthi. Apparatus for screening pulp. 2,908,390, 10-13-59, Cl. 209-273.  
Rich, John W.: See—  
Peterson, William F., Jubel, and Rich. 2,886,867.  
Rich, Joseph A.: See—  
Webber, Stanley E., and Rich. 2,900,557.  
Rich, Joseph A., to General Electric Co. Tunable microwave resonant system and electric discharge device. 2,888,600, 5-26-59, Cl. 315-533.  
Rich, Joseph A., to General Electric Co. Electron beam amplification apparatus. 2,894,170, 7-7-59, Cl. 315-541.  
Rich, Klinger Aktiengesellschaft: See—  
Kruschik, Julius. 2,915,087.  
Rich, Lewis C., and L. H. Rowley, to Sperry Rand Corp., Ford Instrument Co. Division. Servosystem with low impedance stabilization network. 2,878,435, 3-17-59, Cl. 318-32.  
Rich, Malcolm N.: See—  
Peck, Rudolph, and Rich. 2,894,548.  
Rich Mfg. Co. of California: See—  
Ewing, Paul E. 2,879,563.  
Rich Mfg. Corp.: See—  
Kirkpatrick, Leland W. 2,868,637.  
Rich, Robert E.: See—  
Diamond, Holton W., and Powell. 2,868,653.  
Rich, Robert L. Adding and subtracting machine. 2,904,249, 9-15-59, Cl. 235-83.  
Rich, Samuel. Sliding windows. 2,912,714, 11-17-59, Cl. 16-100.  
Rich, Samuel M.: See—  
Hamilton, Rollie D., and Rich. 2,899,024.  
Rich, Stanley R. Supports for mechanical vibrators. 2,873,392, 2-10-59, Cl. 310-26.  
Rich, Stanley R., and W. Roth, to Bendix Aviation Corp. Control circuit. 2,892,085, 6-23-59, Cl. 250-36.  
Rich, Theodore A., to General Electric Co. Logarithmic translating circuit. 2,868,968, 1-13-59, Cl. 250-27.  
Rich, Theodore A., to General Electric Co. Small particle filter. 2,884,088, 4-28-59, Cl. 183-32.  
Richard, Andre P.: See—  
Petitcolas, Pierre, Richard, Sureau, Roe, and Develotte. 2,893,817.  
Richard-Foy, Robert M. P. O., to Association des Ouvriers en Instruments de Precision (A.O.I.P.) (Societe Anonyme Cooperative a Capital Variable). Dose-measuring device for ionizing radiation. 2,884,532, 4-28-59, Cl. 250-83.3.  
Richard-Foy, Robert M. P. O., to Association des Ouvriers en Instruments de Precision (A.O.I.P.) (Societe Anonyme Cooperative a Capital Variable). Measuring apparatus for ionizing radiations. 2,884,533, 4-28-59, Cl. 250-83.3.  
Richard, Henry J., 51% to Theophile J. La Lime. Cutting tools. 2,870,523, 1-27-59, Cl. 29-96.  
Richard, Joseph, and L. Door lock. 2,903,286, 9-8-59, Cl. 292-295.  
Richard, Lillie: See—  
Richard, Joseph, and L. 2,903,286.  
Richard, Paul P. Arrangement for the automatic steering of tractors or the like vehicles. 2,906,356, 9-29-59, Cl. 180-648.  
Richards, Alaa G.: See—  
Bourne, Marian E., and Richards. 2,873,339.  
Richards, Archer W., to Yates-American Machine Co. Combination saw, jointer and sander tool. 2,913,025, 11-17-59, Cl. 144-1.  
Richards, Arthur J., to Fenestra Inc. Pouring form for windows. 2,901,810, 9-1-59, Cl. 25-131.  
Richards, Arthur J. Rivet bucking device. 2,914,972, 12-1-59, Cl. 78-535.  
Richards, Audley G.: See—  
Emerson, John R., Fuller, and Richards. 2,894,740.  
Richards, Burton A., to Bear Mfg. Co. Gauge for torsion bar suspension systems for vehicles. 2,900,734, 8-25-59, Cl. 33-180.  
Richards, Charles S. Paint strainer. 2,883,057, 4-21-59, Cl. 210-476.  
Richards, David C., to Socony Mobil Oil Co., Inc. Self-orienting geophone. Re. 24,709, 10-6-59, Cl. 340-17.  
Richards, Earl. Warm air baseboard heating structure. 2,870,609, 1-27-59, Cl. 98-40.  
Richards, Geoffrey P., to The Fairley Aviation Co. Ltd. Apparatus for modulating high frequency waves. 2,903,658, 9-8-59, Cl. 333-81.  
Richards, George B.: See—  
Billeter, Henry R., and Richards. 2,894,659.  
Richards, George B., to Liquid Controls Corp. Fluid control device. 2,874,715, 2-24-59, Cl. 137-98.  
Richards, George B., to Liquid Controls Corp. Liquid valves. 2,898,927, 8-11-59, Cl. 137-79.  
Richards, George B., to Liquid Controls Corp. Liquid flow control apparatus. 2,903,025, 9-8-59, Cl. 141-217.  
Richards, Hans K., to United States of America, Atomic Energy Commission. Radiation detecting and telemetering system. 2,917,633, 12-15-59, Cl. 250-83.6.  
Richards, Harold A., Jr.: See—  
Hardy, Robert L., Richards, Downer, and Olsen. 2,880,615.  
Richards, Howard R.: See—  
Alexeff, Alexander V., and Richards. 2,915,102.  
Richards, James R., to United States of America, Navy. High frequency dental tool. 2,874,470, 2-24-59, Cl. 32-58.  
Richards, John M. Apparatus for testing eyes. 2,868,068, 1-13-59, Cl. 88-20.  
Richards, Leslie D.: See—  
Cullen, Roy H., and Richards. 2,915,323.  
Cullen, Roy H., Richards, and Hodgeman. 2,892,535.  
Richards Mfg. Co.: See—  
Treace, Harry T. 2,878,809.  
Richards, Richard K., to International Business Machines Corp. Electronic counting system. 2,888,556, 5-26-59, Cl. 250-27.  
Richards, Robert W. B., to Thomas Robinson & Son Ltd. Under-table traveling-saw apparatus for cutting sheets of materials. 2,870,802, 1-27-59, Cl. 143-47.  
Richards, Roman B.: See—  
Hopper, Cecil M., and Richards. 2,876,182.  
Richards, Stanley I., to Ferranti Ltd. Recording member assembly for computer or the like. 2,913,358, 12-1-59, Cl. 246-74.  
Richards, William M. S., to Celanese Corp. of America. Preparation of partially frozen liquid mixtures. 2,915,474, 12-1-59, Cl. 252-182.  
Richards, William V., and H. Rosen, to H. A. Phillips, d. b. a. H. A. Phillips Co., by W. Phillips, conservator of his estate. Liquid return system. 2,871,673, 2-3-59, Cl. 62-174.  
Richardson, Alan C., to California Packing Corp. Continuous cooker and heat exchanger. 2,894,446, 7-14-59, Cl. 99-361.  
Richardson, Alan C., to California Packing Corp. Process for the production of vinegar. 2,913,343, 11-17-59, Cl. 99-147.  
Richardson, Arthur T., Jr. Hood for kitchen range. 2,901,963, 9-1-59, Cl. 98-115.  
Richardson, Bert, and N. Brocklebank, to Priestman Brothers Ltd. Method of making slewing bearings for cranes and the like. 2,908,069, 10-13-59, Cl. 29-148.4.  
Richardson, Bobby J.: See—  
Bowden, Henry P., and Richardson. 2,914,191.  
Richardson, Cecil H. Scraper cylinder improvement. 2,882,621, 4-21-59, Cl. 37-126.  
Richardson, Cecil R., to Halliburton Oil Well Cementing Co. Coupling apparatus. 2,877,851, 3-17-59, Cl. 166-175.  
Richardson, Charles D.: See—  
Wolff, George M., and Richardson. 2,917,570.  
Richardson, Chester A., to R. C. Pratt. Liquefied gas refrigeration system. 2,909,039, 10-20-59, Cl. 62-45.  
Richardson Co., The: See—  
Gemberling, George W. 2,890,488.  
Mocas, Verlin A. 2,901,527.  
Richardson, Daniel L.: See—  
Sampson, Darwin L., Glass, and Richardson. 2,914,302.  
Richardson, Edward A. Heat exchange apparatus. 2,893,702, 7-7-59, Cl. 257-245.  
Richardson, Edward A. Cooling and supporting structure. 2,893,703, 7-7-59, Cl. 257-250.  
Richardson, Eugene E., to Standard Oil Co. Lubricant compositions. 2,882,229, 4-14-59, Cl. 252-32.7.  
Richardson, Eugene E., to Standard Oil Co. Lubricant compositions. 2,883,339, 4-21-59, Cl. 252-32.7.  
Richardson, Forrest W. Two-piece digging tooth. 2,870,552, 1-27-59, Cl. 37-142.  
Richardson, Frank A., to The De La Rue Co. Ltd. Apparatus for the counting of sheets of material for example, bank notes. 2,911,216, 11-3-59, Cl. 271-27.  
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- Richardson, James W.: See—  
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Richardson, John E.: See—  
Nuttall, Hubert V., and Richardson. 2,896,091.  
Richardson, John E. System for analogue computing utilizing detectors and modulators. 2,870,960, 1-27-59, Cl. 235-61.  
Richardson, John T., to Antennavision Mfg. & Engineering Co. Cable lasher. 2,895,713, 7-21-59, Cl. 254-134.3.  
Richardson, John W., to Tecumseh Products Co. Engine control device. 2,873,731, 2-17-59, Cl. 123-99.  
Richardson, Joseph D., to Phillips Petroleum Co. Liquid phase separation control. 2,872,936, 2-10-59, Cl. 137-172.  
Richardson, Lawrence and W. S. Method and apparatus for flushing toilets and the like. 2,907,049, 10-6-59, Cl. 4-34.  
Richardson, Marguerite M. Box lid fastener. 2,918,319, 12-22-59, Cl. 292-253.  
Richardson, Martin A.: See—  
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Richardson, Norman H. Electrical fixture. 2,871,455, 1-27-59, Cl. 339-8.  
Richardson, Norvell M. Utility rack. 2,904,188, 9-15-59, Cl. 211-65.  
Richardson, Olan, to Southern States Equipment Corp. Electric fuse. 2,903,538, 9-8-59, Cl. 200-127.  
Richardson, Olan, and C. W. Walter, to Southern States Equipment Corp. Silver collar. 2,916,780, 12-15-59, Cl. 19-159.  
Richardson, Pierce F., to International Harvester Co. Steering means for vehicles. 2,876,639, 3-10-59, Cl. 74-710.5.  
Richardson, Pierce F., to International Harvester Co. Pre-loading bearings on a track roller assembly. 2,906,564, 9-29-59, Cl. 308-15.  
Richardson, Ralph R., and J. F. Castner, to United Biscuit Co. of America. Cellular tray forming and assembling machine. 2,879,700, 3-31-59, Cl. 93-37.  
Richardson Rod & Reel Co.: See—  
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Richardson, Rolland A., to Pacific Industrial Mfg. Co. Precision control system for press brakes or the like. 2,906,096, 9-29-59, Cl. 60-97.  
Richardson, Ronald E., to Pittsburgh Plate Glass Co. Glass pressing nipper rolls. 2,895,664, 7-21-59, Cl. 154-2.7.  
Richardson, Ronald E., to Pittsburgh Plate Glass Co. Glass bending moulds. 2,903,825, 9-15-59, Cl. 49-67.  
Richardson, Ronald E., to Pittsburgh Plate Glass Co. Glass bending moulds. 2,918,755, 12-29-59, Cl. 49-67.  
Richardson, Roy A., and J. Cohn, to Motorola, Inc. Radio receiver with impulse noise blanking. 2,901,601, 8-25-59, Cl. 250-20.  
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Richardson, William D. Clothespin. 2,871,538, 2-3-59, Cl. 24-137.  
Richardson, William F., to Flex-O-Lators, Inc. Edge roll for cushion spring assemblies. 2,871,925, 2-3-59, Cl. 155-184.  
Richardson, William S., to The Falk Corp. Oil-and-vapor shaft-seal. 2,891,808, 6-23-59, Cl. 286-10.  
Richardson, Woodrow W., to International Minerals & Chemical Corp. Process for producing defluorinated calcium phosphates. 2,893,834, 7-7-59, Cl. 23-109.  
Richelli, Federico. Ice making machine. 2,890,572, 6-16-59, Cl. 62-233.  
Richer, Irving. Containers. 2,883,042, 4-21-59, Cl. 206-7.  
Richert, Herbert B., to The Dow Chemical Co. 2,4-ditertiary-butyl-4,6-dimethoxy-2,5-cyclohexadien-1-one. 2,908,692, 10-13-59, Cl. 260-396.  
Richeson, Sanford E. Installation for spray-coating hollow articles. 2,884,897, 5-5-59, Cl. 118-315.  
Richey, David M., to Emhart Mfg. Co. Fluid lock valve. 2,872,903, 2-10-59, Cl. 121-40.  
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Chamberlain, Richard O., and Wakefield. 2,869,646.  
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Zwiffl, Henry C., Hull, and Hart. 2,886,457.  
Zwiffl, Henry C., Voss, and Gower. 2,898,298.  
Richle, Carlton A., to Owens-Illinois Glass Co. Molding composition containing phenol-formaldehyde and rubber. 2,867,589, 1-6-59, Cl. 260-17.2.  
Richman, Donald, to Hazeltine Research, Inc. Frequency-difference detector system. 2,890,270, 6-9-59, Cl. 178-5.4.  
Richman, Donald, to Hazeltine Research, Inc. Television field-identification system. 2,897,266, 7-28-59, Cl. 178-7.3.  
Richman, Donald, to Hazeltine Research, Inc. Color-television system. 2,898,397, 8-4-59, Cl. 178-5.2.  
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Richman, Donald, to Hazeltine Research, Inc. Phase detector. 2,898,459, 8-4-59, Cl. 250-27.  
Richman, Donald, to Hazeltine Research, Inc. Phase detector. 2,910,581, 10-27-59, Cl. 250-27.  
Richman, Jacob S., and T. R. East; said East assor. to said Richman. Frankfurter cooking mechanism. 2,896,527, 7-28-59, Cl. 99-332.  
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Richmond, Eugene E. Thermo hydraulic valve. 2,890,687, 6-16-59, Cl. 123-41.12.  
Richmond, Francis M., W. J. Pennington, and R. W. Koffler, to Universal-Cyclops Steel Corp. Ferrous base alloys. 2,909,426, 10-20-59, Cl. 75-128.  
Richmond, George G. Combination grass rake and grabber. 2,891,374, 6-23-59, Cl. 56-400.12.  
Richmond, Kenneth W., and B. Hughes, to Shell Development Co. Hydrogen peroxide emulsions. 2,896,532, 5-12-59, Cl. 252-104.  
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Richmond Screw Anchor Co., Inc.: See—  
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Richmond, William F., Jr., and D. C. Nowack, to The Martin Co. Switching system. 2,892,907, 6-30-59, Cl. 200-46.  
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Richter, Albert, to Sperry Rand Corp., Ford Instrument Co. Division. Pressure-voltage transducing element. 2,887,882, 5-26-59, Cl. 73-398.  
Richter, Albert, V. Ordorica, and D. Gertz, to Sperry Rand Corp., Ford Instrument Co. Division. Magnetic clutch. 2,898,485, 8-4-59, Cl. 310-104.  
Richter, Don L. Building unit. 2,891,491, 6-23-59, Cl. 108-1.  
Richter, Donald L., to Kaiser Aluminum & Chemical Corp. Utility automotive vehicle. 2,908,528, 10-13-59, Cl. 296-28.  
Richter, George A., and A. B. Lamb, to United States of America, Navy. Special papers. 2,893,754, 7-7-59, Cl. 281-38.  
Richter, George A., Jr.: See—  
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Richter, George A., Jr., and G. L. Brown, to Rohm & Haas Co. Process for spinning particulate dispersions. 2,869,977, 1-20-59, Cl. 18-54.  
Richter, Gerhard, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Arrangements for controlling the effective thrust produced by reaction-propulsion units and in particular by ram-jet units or athodyds. 2,914,911, 12-1-59, Cl. 60-35.6.  
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Richter, Helmer, and M. Schenck, to Firma Schering A.G. 4-aminochromanes. 2,903,454, 9-8-59, Cl. 260-247.7.  
Richter, Henry, to Paramount Textile Machinery Co. Transfer machine. 2,889,648, 6-9-59, Cl. 41-1.  
Richter, Johan C. F. C., to Aktiebolaget Kamyr. Method and apparatus for the separation of liquids from cellulosic pulp. 2,870,009, 1-20-59, Cl. 92-7.  
Richter, John W.: See—  
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Richter, Ole J., to Aktiebolaget Kamyr. Device for feeding comminuted cellulosic fibrous material into a pressure vessel. 2,901,149, 8-25-59, Cl. 222-367.  
Richter, Ole J., to Aktiebolaget Kamyr. Material feeding apparatus. 2,914,223, 11-23-59, Cl. 222-194.  
Richter, Otto P. Pneumatic holding device. 2,871,053, 1-27-59, Cl. 294-64.  
Richter, Philip: See—  
Appleton, Bernard S., and Richter. 2,918,122.  
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Richter, Rudolf. Flyers for roving machines. 2,867,970, 1-13-59, Cl. 57-115.  
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Molotsky, Hyman M., and Richter. 2,901,510.  
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Richter, Sidney B., to Velsicol Chemical Corp. Halogenated organic compounds. 2,901,338, 8-25-59, Cl. 71-2.5.  
Richter, Sidney B., to Velsicol Chemical Corp. New compositions of matter. 2,909,458, 10-20-59, Cl. 167-30.  
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- Richter, Walther: See—  
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- Richter, Walther, to Allis-Chalmers Mfg. Co. Electromagnetic centrifugal pump. 2,910,941, 11-3-59, Cl. 103-1.
- Richter, Walter H. Display stand. 2,908,400, 10-13-59, Cl. 211-148.
- Richter, Willy, to Kurt Korber & Co., K.G. Device for attaching mouthpieces to cigarettes and the like. 2,881,767, 4-14-59, Cl. 131-94.
- Richter, Willy, and M. Neubert, to Kurt Korber & Co., K.G. Tobacco rod making machines. 2,868,211, 1-13-59, Cl. 131-66.
- Richter, Willy K., and M. K. Neubert, to Hauni-Werke Korber & Co., K.G. Machines for producing a continuous rod of fibrous material. 2,911,980, 11-10-59, Cl. 131-84.
- Richter, Frank H., to W. M. Cissell Mfg. Co. Fabric drying apparatus having means for selectively supplying drying and cooling medium. 2,870,545, 1-27-59, Cl. 34-63.
- Richter, Frank H., to W. M. Cissell Mfg. Co. Garment-vent clamp. 2,895,659, 7-21-59, Cl. 224-252.
- Richter, Frank H., and W. M. Ingold, to W. M. Cissell Mfg. Co. Garment finisher and means for adjusting size of bag thereof. 2,889,969, 6-9-59, Cl. 223-67.
- Richtmyer, Lawson E., and P. G. Gerhard, to United States of America, Army. Electromechanical timer. 2,900,021, 8-18-59, Cl. 161-1.
- Rickard, Clyde E., to McDowell Mfg. Co. Protector nipple. 2,893,437, 7-7-59, Cl. 138-96.
- Rickard, Clyde E., to McDowell Mfg. Co. Collar protector. 2,893,438, 7-7-59, Cl. 138-96.
- Rickard, Clyde E., to McDowell Mfg. Co. Split ring coupling. 2,901,269, 8-25-59, Cl. 285-39.
- Rickard, Clyde E., to McDowell Mfg. Co. Drain gasket. 2,916,043, 12-8-59, Cl. 137-217.
- Rickard, Clyde E., to McDowell Mfg. Co. Pipe in socket coupling having loose thread connecting means. 2,916,306, 12-8-59, Cl. 285-5.
- Rickard, Florence: See—  
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- Rickard, James A.: See—  
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- Rickard, James A., and A. Frosch, to Jersey Production Research Co. Ionization chamber for mass spectrometer. 2,911,531, 11-3-59, Cl. 250-41.9.
- Rickard, William: See—  
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- Rickard, William A.: See—  
Metzgar, Harry H. 2,889,823.
- Rickard, William H. Spool for fishing reel. 2,890,842, 6-16-59, Cl. 242-118.4.
- Rickards, William H., and J. H. Johanson, to The Gabriel Co. Coaxial line. 2,892,007, 6-23-59, Cl. 174-28.
- Rickel, William R., to Whirlpool Corp. Laundry machine. 2,915,888, 12-8-59, Cl. 68-19.
- Rickenmann, Alfred, to Reishauer-Werkzeuge A.G. Machine for the grinding of spur gears and helical gears by the generating principle. 2,898,707, 8-11-59, Cl. 51-95.
- Ricker, Eugene C., to Haloid Xerox Inc. Xerographic belt loading apparatus. 2,918,898, 12-29-59, Cl. 118-308.
- Ricker, Fred G., and R. C. Randall, to Baker Perkins, Inc. Dough trough elevators. 2,917,192, 12-15-59, Cl. 214-313.
- Ricker, Richard W., to Aluminum Co. of America. Castable refractory. 2,912,341, 11-10-59, Cl. 106-64.
- Rickert Electric, Inc.: See—  
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- Rickert, Hans Ferdinand: See—  
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- Rickert, Herbert B.: See—  
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- Rickert, Herbert B., to The Dow Chemical Co. Aqueous coating composition of coal acids, starch and a plasticizer and a base coated therewith. 2,883,300, 4-21-59, Cl. 106-213.
- Rickert, Herbert B., to The Dow Chemical Co. Aqueous coating compositions of coal acids and starch and a base coated therewith. 2,887,399, 5-19-59, Cl. 106-213.
- Ricketts, James B., Jr., to Burroughs Corp. Thyatron actuated pawl circuit. 2,904,726, 9-15-59, Cl. 317-123.
- Ricketts, James B., Jr., E. E. Bittmann, and J. Deutsch, to Burroughs Corp. Static magnetic memory system. 2,915,740, 12-1-59, Cl. 340-174.
- Ricketts, Robert E., to General Electric Co. Logarithmic amplifier. 2,915,599, 12-1-59, Cl. 179-171.
- Ricklick, Eugene A., to Stockland Road Machinery Co. Universal hitch assembly. 2,867,452, 1-6-59, Cl. 280-492.
- Ricks, Marc. Automatic door-opening signal device. 2,874,240, 2-17-59, Cl. 200-44.
- Ricouard, Henri L. G., to Societe d'Exploitation de Proceses Mechaniques Mecaproduer. Apparatus for walking heavy equipment. 2,914,127, 11-24-59, Cl. 180-8.
- Ridbo Laboratories, Inc.: See—  
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- Ridgway, Eric O. 2,870,104.
- Ridgway, Eric O., and Perry. 2,870,103.
- Ridgway, Eric O., and Perry. 2,870,105.
- Ridgway, Eric O., and Perry. 2,870,106.
- Riddell, John T., Inc.: See—  
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- Riddell, Joseph M. Fluid power motor apparatus. 2,870,556, 1-27-59, Cl. 37-184.
- Riddervold, Hans W.: See—  
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- Riddick, Frank C., Jr.: See—  
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- Liefers, William C., Riddick, and Switzer. 2,913,404.
- Liefers, William C., Riddick, and Switzer. 2,914,466.
- Riddington, Frederick W., and H. Felts, to General Electric Co. Centrifugal spraying apparatus for applying coatings to cavities in objects. 2,876,736, 3-10-59, Cl. 118-301.
- Riddle Airlines, Inc.: See—  
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- Riddle, Harry V. Cluster trailer hitch. 2,911,233, 11-3-59, Cl. 280-415.
- Riddle, Joseph E., to Librascope, Inc. Clamp. 2,917,267, 12-15-59, Cl. 248-361.
- Ridenaur, Wayne F., to Cheshire, Inc. Label applying machine. 2,889,029, 6-2-59, Cl. 198-35.
- Ridenour, Louis N., to International Telemeter Corp. Video scrambling and unscrambling system. 2,875,269, 2-24-59, Cl. 178-3.1.
- Ridenour, Louis N., to Paramount Pictures Corp. Subscription television distribution system. 2,918,522, 12-22-59, Cl. 178-5.1.
- Rideout, Richard G. Apparatus for photographic slide viewing. 2,869,260, 1-20-59, Cl. 40-78.
- Rider, Frank A., and R. P. Stanton, to The Viking Corp. Control valve. 2,877,978, 3-17-59, Cl. 251-46.
- Rider, Osborne L., Jr.: See—  
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- Rider, Paul Z., to Sperry Rand Corp. Readout means for accounting machines. 2,900,131, 8-18-59, Cl. 235-59.
- Rider, R. Windham: See—  
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- Rider, Stuart H.: See—  
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- Ridge, Guy H.: See—  
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- Ridge Tool Co., The: See—  
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- Janik, Anton J. 2,891,799.
- Lauck, William A. 2,871,733.
- Ridgers, Charles E. S., and R. H. Briggs, to The Decca Record Co. Ltd. Radar apparatus. 2,894,220, 7-7-59, Cl. 333-24.
- Ridgers, Frederick G.: See—  
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- Ridgers, Frederick G., to N. Slater Co. Ltd. Cable support. 2,895,193, 7-21-59, Cl. 24-20.
- Ridgeway, Bruce. Expansion wheel hub bearing. 2,895,771, 7-21-59, Cl. 308-236.
- Ridgeway, Bruce, and R. R. Ingram. Automobile lift. 2,901,116, 9-1-59, Cl. 187-8.43.
- Ridgway, Edmund T., to The Budd Co. Selectively connectible axle frame for road vehicles, especially trailers. 2,888,297, 5-26-59, Cl. 296-28.
- Ridgway, Eric O., to Ridbo Laboratories, Inc. Chloroprene rubber composition containing a tall oil-sulphur reaction product. 2,870,104, 1-20-59, Cl. 260-23.7.
- Ridgway, Eric O., and N. A. Perry, to Ridbo Laboratories, Inc. Chlorosulfonated polyethylene composition containing sulfurized tall oil. 2,870,103, 1-20-59, Cl. 260-23.
- Ridgway, Eric O., and N. A. Perry, to Ridbo Laboratories, Inc. Nitrile rubber compositions containing sulfurized tall oil. 2,870,105, 1-20-59, Cl. 260-23.7.
- Ridgway, Eric O., and N. A. Perry, to Ridbo Laboratories, Inc. Chloroprene rubber compositions containing sulfurized tall oil. 2,870,106, 1-20-59, Cl. 260-23.7.
- Ridgway, Frank, to Arundel, Coulthard & Co. Ltd. Production of tyre cord and like yarn. 2,887,840, 5-26-59, Cl. 57-61.
- Ridgway, Frank, to Arundel, Coulthard & Co. Ltd. Production of tyre cord and like yarn. 2,887,841, 5-26-59, Cl. 57-60.
- Ridgway, John A., Jr., and J. M. Stuckey, to The American Oil Co. Hydrogenation process utilizing aluminum chloride complex catalyst. 2,910,513, 10-27-59, Cl. 260-667.
- Ridings, Clements A., and A. W. Holstein, to National Standby Vendors, Inc. Coin apparatus. 2,872,009, 2-3-59, Cl. 194-10.
- Ridings, Garvice H.: See—  
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- Ridings, Garvice H., to The Western Union Telegraph Co. Record communication-telephone system. 2,903,517, 9-8-59, Cl. 179-4.
- Ridings, Garvice H., to The Western Union Telegraph Co. Teletograph system. 2,919,305, 12-29-59, Cl. 178-19.
- Ridings, Garvice H., R. J. Wise, and C. Jelinek, Jr., to The Western Union Telegraph Co. Facsimile ticket and message system. 2,894,063, 7-7-59, Cl. 178-6.6.
- Ridler, Desmond S., and B. F. Armsby, to International Standard Electric Corp. Driving arrangements. 2,883,475, 4-21-59, Cl. 179-100.2.
- Ridley, Ian M., to R. L. Klosterman. Tilttable tandem refractory and concrete gun apparatus. 2,899,182, 8-11-59, Cl. 259-151.
- Ridley, Oscar E., and E. J. Walsh, to General Electric Co. Stator vane locking key. 2,915,281, 12-1-59, Cl. 253-78.
- Ridlinghafer, Charles B.: See—  
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- Ridout, Philip J.: See—  
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- Riebe, Kenneth W.: See—  
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- Rieber, Martin, and L. Orthner, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Process of preparing cycloalkane-oximes. 2,885,440, 5-5-59, Cl. 260-566.
- Rieckman, Werner. Combination ice and roller skates. 2,868,553, 1-13-59, Cl. 280-7.13.
- Rieckman, Werner. Code set keyless starter for automobiles. 2,897,376, 7-25-59, Cl. 307-10.
- Riede, John R.: See—  
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- Henderson, Ashland S., Cross, and Riede. 2,909,303.
- Riede, Peter M.: See—  
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- Riedel-de Haen Akt.: See—  
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- Riedel, Erich, to Bruckebau Flender G.m.b.H. Sieves for sludge draining. 2,892,546, 6-30-59, Cl. 210-332.
- Riedel, Jack: See—  
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- Riedel, Kurt A., to Kearney & Trecker Corp. Machine tool counterweight. 2,896,512, 7-28-59, Cl. 90-16.
- Riedel, Kurt A., to Kearney & Trecker Corp. Knee deflection eliminator. 2,908,204, 10-13-59, Cl. 90-55.
- Riedel, Ralph H., to Clevite Corp. Sealing ring and method of making same. 2,886,479, 5-12-59, Cl. 154-81.
- Riedel, Walther. Thermostats. 2,907,210, 10-6-59, Cl. 73-368.3.
- Rieder Brothers: See—  
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- Rieder, Robert M., to Rieder Brothers. Knockdown counter construction. 2,879,561, 3-31-59, Cl. 20-92.7.
- Riedesel, Richard G.: See—  
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- Riedesser, Franz, to Papierfabrik Balenfurt A. G. Hoisting eye with tripping arrangement. 2,879,099, 3-24-59, Cl. 294-83.
- Riedl, Hans-Joachim: See—  
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- Repp, Walter, Riedl, and von Schickh. 2,879,215.
- Riedl, Wolfgang, to Schwarz Laboratories, Inc. Nucleus alkylated phloracetylenes and procedure for the production of such compounds. 2,898,374, 8-4-59, Cl. 260-586.
- Riedle, Rudolf: See—  
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- Nitzsche, Siegfried, and Riedle. 2,902,504.
- Riegel Paper Corp.: See—  
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- Riegel Textile Corp.: See—  
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- Rieger, Frederic L., to Thermometer Corp. of America. Combined compass, inclinometer and accelerometer. 2,873,536, 2-17-59, Cl. 33-225.
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- Rieger, William H., and L. A. Springman, to Rellly Tar & Chemical Corp. Purification of piperidines. 2,868,793, 1-13-59, Cl. 260-293.
- Riegler, Werner L.: See—  
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- Riegler, Werner L., and J. N. Dybalski, to Armour and Co. Anti-slaking buffing compositions. 2,899,290, 8-11-59, Cl. 51-304.
- Rieke, George A. Grinding tool formed of an inorganic bonding agent. 2,874,034, 2-17-59, Cl. 51-298.
- Rieke, Glenn T., to Rieke Metal Products Corp. Ball handled closure cap. 2,895,654, 7-21-59, Cl. 222-529.
- Rieke, John W.: See—  
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- Pentico, George W. A., and Rieke. 2,878,381.
- Rieke, John W., to Bell Telephone Laboratories, Inc. Instantaneous signal amplitude clipper. 2,892,081, 6-23-59, Cl. 250-27.
- Rieke, Mahlon E.: See—  
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- Riel, Harold K. Applicator. 2,896,238, 7-28-59, Cl. 15-137.
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- Riemenschneider, Lawrence E. Method for operating two-cycle engines. 2,896,593, 7-28-59, Cl. 123-1.
- Riener, Edward F., to Rohm & Haas Co. Anion-exchange resins for sugar decolorization and their preparation. 2,874,132, 2-17-59, Cl. 260-2.1.
- Riener, Harry, to American Can Co. Container. 2,905,357, 9-22-59, Cl. 220-42.
- Rienhoff, Hugh Y.: See—  
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- Rienks, George W. Spray nozzle. 2,878,068, 3-17-59, Cl. 299-153.
- Rienks, Leo: See—  
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- Rieppel, Perry J., and M. C. Clapp, to The Metal Specialty Co. Means for joining pressure-welded tubes. 2,874,942, 2-24-59, Cl. 257-256.
- Rieppel, Perry J., M. C. Clapp, and E. G. Elliott, Jr., to The Metal Specialty Co. Simultaneous pressure welding and pressure forming. 2,882,588, 4-21-59, Cl. 29-157.3.
- Ries, Harold C.: See—  
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- Ries, Harold H.: See—  
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- Ries, Herman E., Jr.: See—  
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- Ries, Irving G., and P. L. Ries, deceased (M. McGilvray, executrix). Multiple speed tripod head. 2,882,001, 4-14-59, Cl. 248-183.
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- Rieseler, Hermann, deceased; by H. Rieseler, nee Scherber, heir. Two-stroke cycle internal combustion engine with opposed pistons. 2,875,738, 3-3-59, Cl. 123-51.
- Rieseler, Hermann, deceased; by H. Rieseler, nee Scherber, heir. Piston for internal combustion engines. 2,898,897, 8-11-59, Cl. 123-41.38.
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- Rieser, John D. Variable speed transmission mechanism and enclosed system of continual fluid wetting of actuating parts. 2,871,715, 2-3-59, Cl. 74-230.17.
- Rieser, John D. Electrically operated self-contained speed change mechanism. 2,905,010, 9-22-59, Cl. 74-421.
- Rieser, Raymond G., to Pittsburgh Plate Glass Co. Dyeing plastic and solution therefor. 2,914,373, 11-24-59, Cl. 8-4.
- Riesing, Ellwood F., and C. L. Moorman, to General Motors Corp. Fluid seal. 2,867,457, 1-6-59, Cl. 286-11.16.
- Riesing, Ellwood F., and C. L. Moorman, to General Motors Corp. Fluid seal. 2,883,224, 4-21-59, Cl. 288-2.
- Rieske, Henry J. Sprinkling device. 2,904,257, 9-15-59, Cl. 239-19.
- Riester, Hubert A., Jr., and C. J. Kugler, to American Meter Co., Inc. Strip chart assembly. 2,903,323, 9-8-59, Cl. 346-136.
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- Riester, William C., to Trico Products Corp. Windshield wiper motor transmission system. 2,895,158, 7-21-59, Cl. 15-253.
- Riester, William C., and M. Bitzer, to Trico Products Corp. Windshield cleaner motor. 2,889,818, 6-9-59, Cl. 121-164.
- Riester, William J.: See—  
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- Rieter, Joh. Jacob, & Co. Ltd.: See—  
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- Rieth, Harold, to Standard Coil Products Co., Inc. Multi-band high frequency circuits. 2,894,134, 7-7-59, Cl. 250-40.
- Rieth, Harold F. Selective group energizing system. 2,918,608, 12-22-59, Cl. 315-166.
- Riethmüller, Paul, and L. Leinert, to Robert Bosch G. m. b. H. Process for manufacturing shells for spark plugs and the like. 2,874,460, 2-24-59, Cl. 29-535.
- Rietsch, Herwig, to Mannesmann-Transil Aktiengesellschaft. Bearing assembly for the shaft of underground hydraulic turbines for driving drill bits in deep-well drilling. 2,908,534, 10-13-59, Cl. 308-162.
- Rietz, Carl A., to Rietz Mfg. Co. Disintegrating and dispersion apparatus and method. 2,903,191, 9-8-59, Cl. 241-21.
- Rietz, Edward L., to Auto Specialties Mfg. Co. Rotary shredder and cutter. 2,891,369, 6-23-59, Cl. 56-25.4.
- Rietz Mfg. Co.: See—  
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- Riffel, Heinrich, to Rheinmetall Akt. Power-driven type-writer. 2,870,896, 1-27-59, Cl. 197-17.
- Riffet, Marcel, and R. G. M. Damidot, to Propaltec. Safety stopper for liquid-carrying and the like containers. 2,918,187, 12-22-59, Cl. 215-21.
- Rifkin, Michael. Window construction. 2,877,513, 3-17-59, Cl. 20-52.2.
- Rigaud, Maurice, to Societe des Agrafes Francaises & d'Articles Metalliques (Societe Anonyme). Locking device. 2,888,288, 5-26-59, Cl. 292-46.
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- Rigden, Sydney A. R., to The General Electric Co. Ltd. Sodium vapour electric discharge lamps. 2,875,358, 2-24-59, Cl. 313-25.
- Rigert, Max, to McGraw-Edison Co. Switch actuator. 2,868,921, 1-13-59, Cl. 200-87.
- Rigert, Max, to McGraw-Edison Co. Electromagnetically actuated switch construction. 2,911,494, 11-3-59, Cl. 200-87.
- Riggen, Lewis R., to Northrop Aircraft, Inc. Backlash detector apparatus. 2,887,680, 5-19-59, Cl. 340-282.
- Riggen, Theodore K., to Corning Glass Works. Electronic tube structures. 2,876,374, 3-3-59, Cl. 313-102.
- Riggs, Frederick S., to The Goodyear Tire & Rubber Co. Rim structure. 2,884,984, 5-5-59, Cl. 152-410.
- Riggs, George, and R. F. Schunneman, to Bell Telephone Laboratories, Inc. Telephone call charge and tax calculator. 2,911,150, 11-3-59, Cl. 235-162.
- Riggs, Harold C., to The Electric Storage Battery Co. Vent plug. 2,906,806, 9-29-59, Cl. 136-177.
- Riggs, Harold C., and F. J. Port, to The Electric Storage Battery Co. Vent plug. 2,911,986, 11-10-59, Cl. 137-43.
- Riggs & Lombard, Inc.: See—  
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- Rigby, Mart B., to The Goodyear Tire & Rubber Co. Safety tire construction. 2,900,005, 8-18-59, Cl. 152-341.
- Rights, Clyde S. Ligature inserter. 2,880,728, 4-7-59, Cl. 128-326.
- Rigdbilt Inc.: See—  
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- Rigney, Daniel K., and C. E. Carpenter. Television picture clarifier. 2,897,488, 7-28-59, Cl. 340-369.
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- Rigsby, Canby A., Sr. Storage battery terminal lug connector. 2,906,804, 9-29-59, Cl. 136-134.
- Rigsby, Lonnie D. Cotton bale resampling and breakout device. 2,896,805, 7-28-59, Cl. 214-620.
- Rigterink, Merle D.: See—  
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- Rigterink, Raymond H., to The Dow Chemical Co. 3,4-dihydro-2H-1,3-benzoxazine. 2,867,618, 1-6-59, Cl. 260-244.
- Rigterink, Raymond H., to The Dow Chemical Co.  $\alpha$ -(dialkylamino)-6-phenyl-o-cresol esters. 2,872,477, 2-3-59, Cl. 260-476.
- Rigterink, Raymond H., to The Dow Chemical Co. 3-(benzyl-oxy-methyl)-4-heptanol. 2,875,251, 2-24-59, Cl. 260-611.
- Rigterink, Raymond H., to The Dow Chemical Co. 2-alkenyl-3,4-dichlorophenols. 2,901,515, 8-25-59, Cl. 260-623.
- Rigterink, Raymond H., R. L. Miller, Jr., and L. H. Silvernall, to The Dow Chemical Co. Delayed tack adhesive comprising 1,2-bis (2-biphenyloxy) ethane. 2,885,306, 5-5-59, Cl. 117-122.
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- Rijnders, Johannes, to North American Phillips Co., Inc. Lighting fixture. 2,878,369, 3-17-59, Cl. 240-25.
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- Rikard, Mack A., E. A. Bartlett, and R. B. Coleman, Jr., to American-Marletta Co. Method of producing agglomerated lime hydrate. 2,894,820, 7-14-59, Cl. 23-188.
- Rike, Frederick F., and R. V. Kikunas, to Buckeye Iron & Brass Works. Emergency shut-off valve. 2,867,228, 1-6-59, Cl. 137-68.
- Rike, Richard C., to General Motors Corp. Brake cooling system. 2,879,867, 3-31-59, Cl. 183-264.
- Rike, Richard C., to General Motors Corp. Brake power booster. 2,887,848, 5-26-59, Cl. 60-54.6.
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- Riker Laboratories, Inc.: See—  
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- Riley, Claude J. Disappearing medicine cabinet. 2,875,012, 2-24-59, Cl. 312-223.
- Riley, Daniel F., and S. Goldberg, to Edgerton, Germeshausen & Grier, Inc. Cathode heater. 2,919,373, 12-29-59, Cl. 313-340.
- Riley, Dorcas R. Trousers pocket. 2,899,684, 8-18-59, Cl. 2-254.
- Riley, Erwin M.: See—  
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- Riley, Floyd E., to R. R. Putt. Tubeless tire bead-seating device. 2,873,796, 2-17-59, Cl. 157-121.
- Riley, Forrest T. Hand-operated air vacuum cleaner and blower. 2,902,708, 9-8-59, Cl. 15-330.
- Riley, Gerard C., to Rohm & Haas Co. Tert-carbinamines. 2,871,266, 1-27-59, Cl. 260-584.
- Riley, James D.: See—  
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- Riley, Joseph R., to The C. M. Kemp Mfg. Co. Lift and discharge for wheeled cart. 2,888,157, 5-26-59, Cl. 214-313.
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- Riley, Walter E. Twin-arch pipe line span. 2,894,527, 7-14-59, Cl. 137-236.
- Rimbach, Harry J. Twin weedless fishhooks. 2,908,990, 10-20-59, Cl. 43-44.82.
- Rimes, Clyde E., to National Dairy Products Corp. Sheet feeding machine. 2,880,995, 4-7-59, Cl. 271-14.
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- Rimmer, John A., and E. F. Martin,  $\frac{1}{2}$  to J. A. Rimmer,  $\frac{1}{4}$  to F. E. Rimmer, and  $\frac{1}{4}$  to B. C. French. Belt for personal wear. 2,884,682, 5-5-59, Cl. 28-78.
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- Rimsha, Victor E., to The Dole Valve Co. Thermostatic control valve. 2,893,638, 7-7-59, Cl. 236-68.
- Rimsha, Victor E., and R. W. Couffer, Jr., to The Dole Valve Co. Non-thermostatic adjustable mixing valve. 2,893,425, 7-7-59, Cl. 137-607.
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- Rinehart, Cleo A., to Swift & Co. Animal casing and method of producing same. 2,890,121, 6-9-59, Cl. 99-175.
- Rinehart, Dale W., to Pittsburgh Plate Glass Co. Electrical resistor metal coatings on refractory materials. 2,882,377, 4-14-59, Cl. 201-73.
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- Ring, Harold H., W. E. Shrode, H. W. Clay, and R. E. McCleary, to Atwood Vacuum Machine Co. Method of making hinge members. 2,888,734, 6-2-59, Cl. 29-11.
- Ring, Robert G., to Chapman Chemical Co. Wood preservation method and package. 2,875,020, 2-24-59, Cl. 21-7.
- Ring, William. Tandem wheel roller skate. 2,868,554, 1-13-59, Cl. 280-11.26.
- Ringdal, Lars. Cartridge. 2,918,868, 12-29-59, Cl. 102-39.
- Ringse, Carl H.: See—  
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- Ringler, William A., to Diamond Gardner Corp. Package and method of forming the same. 2,874,524, 2-24-59, Cl. 53-29.
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- Ringold, Howard J., and G. Rosenkranz, to Syntex S.A.  $\Delta^1$ -androsten-17 $\beta$ -ol-3-one having an 11 $\beta$ -hydroxy or an 11-keto group as well as 17-esters of these derivatives and 17 $\alpha$ -lower alkyl derivatives thereof. 2,888,474, 5-26-59, Cl. 260-397.45.
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- Ringold, Howard J., F. A. Kincl, and E. Batres, to Syntex S.A. Cyclopentanophenanthrene derivatives. 2,895,969, 7-21-59, Cl. 260-397.3.
- Ringold, Howard J., and E. Batres, to Syntex S.A. 4,9 $\alpha$ -dihalo-11-oxygenated derivatives of progesterone. 2,897,199, 7-28-59, Cl. 260-239.55.
- Ringold, Howard J., and G. Rosenkranz, to Syntex S.A. Process for the production of 2-methyl-dihydrotestosterones. 2,908,693, 10-13-59, Cl. 260-397.4.
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- Rings, Franz, to G. Kromschroder Akt. Pipe line connections for meters and the like. 2,881,012, 4-7-59, Cl. 285-30.
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- Rinker, Edwin C., and R. Duva, to Sel-Rex Corp. Electroplating bright gold. 2,905,601, 9-22-59, Cl. 204-43.
- Rinker, Lyman E., and H. G. Lee, to Leupold & Stevens Instruments, Inc. Radio relay or repeater station time synchronizing switch. 2,870,640, 1-27-59, Cl. 74-209.
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- Rinse, Jacobus, to J. W. Ayers & Co. Alkyd gels and compositions containing the same. 2,892,780, 6-30-59, Cl. 252-35.
- Rinse, Jacobus, to J. W. Ayers & Co. Polyaluminum oxide carboxylates. 2,910,494, 10-27-59, Cl. 260-448.
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Grieve, George T. W., and Ripley. 2,907,164.
- Rippling, Frank, to Clark Equipment Co. Protective device for a carburetion system. 2,902,988, 9-8-59, Cl. 123-120.
- Ripple, Lewis M., to Republic Steel Corp. Automatic gas bleeder igniter. 2,888,981, 6-2-59, Cl. 158-123.

- Ripple, Melvin H., to The Hoover Co. Driving connection for floor polishers. 2,867,825, 1-13-59, Cl. 15-49.
- Ripstein, Archie C. Pipe driver. 2,882,011, 4-14-59, Cl. 264-29.
- Ri-Ri Werke A.G.: See—  
Moser, Friedrich. 2,870,483.
- Risch, Karl: See—  
Bodmer, Albert, and Risch. 2,907,678.  
Weiss, Ernst, and Risch. 2,904,952.
- Risch, Thomas A., to Pittsburgh Plate Glass Co. Filling elongated cavities with polyurethane foams. 2,910,730, 11-3-59, Cl. 18-59.
- Rische, Kurt, A. Krell, and G. Marek. Suspension device. 2,908,404, 10-13-59, Cl. 214-1.
- Risdon, Harold L., to The Pillsbury Co. Multi-purpose container. 2,917,221, 12-15-59, Cl. 229-34.
- Rise, William E.: See—  
Featherstone, Ronald A., and Rise. 2,908,066.
- Riser, George R.: See—  
Port, William S., and Riser. 2,890,230.
- Rishell, George L., to Sylvania Electric Products Inc. Anode for radio tubes. 2,878,408, 3-17-59, Cl. 313-217.
- Rishell, George L., to Sylvania Electric Products Inc. Electron discharge device. 2,909,699, 10-20-59, Cl. 313-238.
- Rishell, George L., to Sylvania Electric Products, Inc. Getter flag. 2,915,172, 12-1-59, Cl. 206-4.
- Rising, Henry C. Apparatus for making ice cubes. 2,900,804, 8-25-59, Cl. 62-157.
- Risk, George, to Dale Products, Inc. Hole mounted resistor. 2,878,356, 3-17-59, Cl. 201-67.
- Risk, Norman E., to Caterpillar Tractor Co. Emergency and parking brake for tractors. 2,881,872, 4-14-59, Cl. 188-106.
- Risk, Thomas H., to Ford Motor Co. Aluminum wheel mounting. 2,895,767, 7-21-59, Cl. 301-9.
- Riske, Gilbert: See—  
Endebak, Peter J., Riske, and Tucker. 2,889,009.
- Risley, Roger E., and F. T. Newell, to Dresser Industries, Inc. Pressure-sealing coupling for plain end pipe. 2,887,328, 5-19-59, Cl. 285-110.
- Risley, Willis D. Hoisting mechanism for truck beds. 2,901,287, 8-25-59, Cl. 298-19.
- Risner, Robert C. Automobile carriers. 2,908,527, 10-13-59, Cl. 296-1.
- Risse, John T., to Iowa Mfg. Co. of Cedar Rapids. Drum for rotary kiln. 2,877,007, 3-10-59, Cl. 263-33.
- Risse, Ralph F., to Goodman Mfg. Co. Boring type miner. 2,889,910, 6-9-59, Cl. 198-7.
- Rissl, Erwin: See—  
Jucker, Ernst, Rissl, Sues, Vogel, and Wolff. 2,883,389.
- Rissler, Lennius R.: See—  
Jucker, Ernst, Rissl, Sues, Vogel, and Wolff. 2,871,241.
- Kraft, Joseph K., and Rissler. 2,878,898.
- Rissmiller, Edwin H.: See—  
Cosby, John N., Harris, and Rissmiller. 2,902,347.  
Cosby, John N., Rissmiller, and Spooner. 2,902,519.
- Rissuch, Edward J. Severable frozen food carton. 2,896,837, 7-28-59, Cl. 229-51.
- Rist, Michel: See—  
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Maurice, Jean, and Rist. 2,880,831.  
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Maurice, Jean, and Rist. 2,914,151.  
Maurice, Jean, and Rist. 2,914,151.
- Rist, Reinhard E.: See—  
Cohen, Robert M., and Rist. 2,903,630.
- Ristow, Edward W., to Milwaukee Electric Tool Corp. Power hammer. 2,877,820, 3-17-59, Cl. 153-21.
- Ristvedt, Victor G.: See—  
Blanchette, Albert G., and Ristvedt. 2,906,276.
- Ris-Van, Inc.: See—  
Floy, Delbert W. 2,903,982.
- Ritchey, Neil F., to Knapp Mills Inc. Method and means for detecting flaws in metals. 2,916,623, 12-8-59, Cl. 250-65.
- Ritchey, Norman B., to Sylvania Electric Products, Inc. Capacitor. 2,917,688, 12-15-59, Cl. 317-261.
- Ritchie, Bertram F.: See—  
Reichelt, Lester O., and Ritchie. 2,908,796.
- Ritchie, Wilbrod Z. Bread loaf display rack. 2,891,677, 6-23-59, Cl. 211-49.
- Ritchie, William, and C. G. Stephen, to Chicago Pneumatic Tool Co. Pneumatic rock or coal drill. 2,907,303, 10-6-59, Cl. 121-10.
- Rite Way Sales and Mfg. Co., Inc.: See—  
Cohn, Nathan, and Emeritz. 2,897,721.
- Riter, Samuel, to A. Werman & Sons, Inc. Method of stitch-down shoe fabrication. 2,876,470, 3-10-59, Cl. 12-142.
- Ritscher, Arthur, and B. Schubert, to Kurt Körber & Co. K.G. Conveyor apparatus. 2,918,197, 12-22-59, Cl. 221-183.
- Ritsky, Louis L. Shuttles for narrow fabric looms. 2,888,957, 6-2-59, Cl. 139-201.
- Ritson, Daniel D., to American Cyanamid Co. Grease resistant cellulosic webs coated with a linear anionic thermoplastic ethyl acrylate-acrylonitrile-methacrylic acid polymer containing a hydrophilic inorganic pigment as extender and composition for manufacture thereof. 2,889,299, 6-2-59, Cl. 260-29.6.



- Ritson, Daniel D., and Y. Jen, to American Cyanamid Co. Pigment starch paper coating composition containing polymethyl carbamyl polyazalkane resins and article coated therewith. 2,918,438, 12-22-59, Cl. 260-17.3.
- Rittberger, Carl C., Jr. Butchering apparatus. 2,877,889, 3-17-59, Cl. 198-196.
- Rittel, Werner: See—  
Schwyzer, Robert, Iselin, Rittel, and Sieber. 2,917,502.
- Rittenberg, Donald E.: See—  
Baxter, Leonard R., and Rittenberg. 2,889,854.  
Baxter, Leonard R., and Rittenberg. 2,890,023.
- Rittenhouse, Howard E., to Tokheim Corp. Double-diaphragm pump. 2,877,715, 3-17-59, Cl. 103-150.
- Rittenhouse, Howard E., to Bowser, Inc. Four-way valve. 2,898,079, 8-4-59, Cl. 251-30.
- Rittenhouse, Joseph W., and E. L. Luehring, to Hi-Voltage Equipment Co., a division of Joslyn Mfg. and Supply Co. Means and methods for switching a polyphase capacitor bank. 2,918,588, 12-22-59, Cl. 307-94.
- Rittenhouse, Owen R., and E. W. Glover, to General Motors Corp. Steering gear. 2,918,945, 12-15-59, Cl. 74-499.
- Ritter, Alden J., and W. H. Scott, to Scott & Scott, to Minneapolis-Honeywell Regulator Co., and said Ritter, assor., to The C. A. Olsen Mfg. Co. Control apparatus. 2,884,767, 5-5-59, Cl. 62-161.
- Ritter, Charles W. Granular material applicator. 2,906,539, 9-29-59, Cl. 275-7.
- Ritter Co., Inc.: See—  
Ellis, Charles A. 2,884,695.  
Ellis, Charles A. 2,891,312.
- Ritter, Darrell L., L. B. Blocker, and J. Wilcox, to United States of America, Navy. Light weight pneumatic airplane. 2,886,265, 5-12-59, Cl. 244-117.
- Ritter, David M., to United States of America, Atomic Energy Commission. Process for the recovery of plutonium. 2,868,619, 1-13-59, Cl. 23-14.5.
- Ritter, David M., to United States of America, Atomic Energy Commission. Recovery of plutonium values from dilute solution by partial precipitation of carrier compounds. 2,891,841, 6-23-59, Cl. 23-14.5.
- Ritter, David M., and R. P. S. Black, to United States of America, Atomic Energy Commission. Reduction in Pu recovery processes. 2,906,597, 9-29-59, Cl. 23-14.5.
- Ritter, Edwin E., to Hugh H. Eby, Inc. Electronic tube socket. 2,875,423, 2-24-59, Cl. 339-126.
- Ritter, George B. Massage and reducing device. 2,907,323, 10-6-59, Cl. 128-33.
- Ritter, George F., Jr.: See—  
Zellers, James T., Jr., and Ritter, Jr. 2,878,621.
- Ritter, Jay S., M. Feiler, and M. Pantzer, to The Panray Corp. Surgical device. 2,898,913, 8-11-59, Cl. 128-296.
- Ritter, Josef: See—  
Boyer, Wilhelm, Eisenburger, Hufnagl, and Ritter. 2,916,910.  
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- Ritter, Kaspar: See—  
Hütter, Wolfgang, and Ritter. 2,917,121.
- Ritter, Kaspar, to Allgauer-Werke G.m.b.H. Driven trailers. 2,903,080, 9-8-59, Cl. 180-14.
- Ritter, Kurt, to Heine, Auer Mühlenwerke Kommandit-Gesellschaft Auf Aktien. Hopping of beer. 2,893,870, 7-7-59, Cl. 99-50.5.
- Ritter, Kurt. Swimming pool lamp frame lock. 2,906,863, 9-29-59, Cl. 240-26.
- Ritter, Walter T., R. O. Ragan, and R. F. Trant, to United Biscuit Co. of America. Light sensitive coating composition. 2,916,376, 12-8-59, Cl. 96-93.
- Rittershausen, Ernst P.: See—  
Edwards, Roy T., and Rittershausen. 2,906,712.
- Rittershofer, Egon, to N. Laing. Tank-pump. 2,868,132, 1-13-59, Cl. 103-87.
- Rittmann, Albert D., to Philco Corp. Semiconductive device and method for the fabrication thereof. 2,870,052, 1-20-59, Cl. 148-33.
- Rittner, Edmund S., to North American Phillips Co., Inc. Photovoltaic device. 2,873,303, 2-10-59, Cl. 136-89.
- Ritts, Loyd E. Conelrad automatic alarm and light system. 2,912,682, 11-10-59, Cl. 340-253.
- Ritz, Hans. Tubular bar current transformer. 2,892,167, 6-23-59, Cl. 336-174.
- Ritz, Stanley D. Weather strip for window. 2,905,983, 9-29-59, Cl. 20-58.4.
- Ritzenthaler, Bruce A., to Standard Oil Co. Time interval device. 2,906,333, 9-29-59, Cl. 161-15.
- Ritzerfeld, Gerhard: See—  
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Ritzerfeld, Wilhelm and G. 2,868,117.  
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Ritzerfeld, Wilhelm and G. 2,906,202.  
Ritzerfeld, Wilhelm and G. 2,912,927.
- Ritzerfeld, Wilhelm and G. Apparatus for printing spaced text portions adjacent each other. 2,868,116, 1-13-59, Cl. 101-132.5.
- Ritzerfeld, Wilhelm and G. Rotary duplicating apparatus. 2,868,117, 1-13-59, Cl. 101-132.5.
- Ritzerfeld, Wilhelm and G. Printing arrangement for rotary duplicators. 2,873,670, 2-17-59, Cl. 101-132.
- Ritzerfeld, Wilhelm and G. Pressure roller support and moving means for a rotary duplicating machine. 2,895,413, 7-21-59, Cl. 101-132.5.
- Ritzerfeld, Wilhelm and G. Intermittent selective rotary printing apparatus. 2,896,534, 7-28-59, Cl. 101-132.5.
- Ritzerfeld, Wilhelm and G. Method and apparatus for duplicating. 2,902,926, 9-8-59, Cl. 101-141.
- Ritzerfeld, Wilhelm and G. Ejector and sorting mechanism for printing machines. 2,906,196, 9-29-59, Cl. 101-2.
- Ritzerfeld, Wilhelm and G. Rotary duplicating machine. 2,906,202, 9-29-59, Cl. 101-132.5.
- Ritzerfeld, Wilhelm and G. Duplicating machine for selective printing. 2,912,927, 11-17-59, Cl. 101-92.
- Riva, William. Floral receptacle pane for windows and the like. 2,887,824, 5-26-59, Cl. 47-41.
- Rivard, Harvey F. Ski structure. 2,914,335, 11-24-59, Cl. 280-11.13.
- Rivas, Carlos C. Film editing machine. 2,885,487, 5-5-59, Cl. 179-100.1.
- Rively, Clair M., and G. A. Daines, to Westinghouse Electric Corp. Welding apparatus. 2,882,387, 4-14-59, Cl. 219-96.
- Rively, Clair M., and E. L. Midgley, to Westinghouse Electric Corp. Welding apparatus. 2,903,561, 9-8-59, Cl. 219-78.
- Rivero, Santiago. Automatic toothbrush and dispenser. 2,882,343, 4-21-59, Cl. 15-138.
- Rivero, Santiago. Toothbrush having a dentifrice supply unit. 2,900,650, 8-25-59, Cl. 15-138.
- Rivero-Ferro, Juan. Stimulated soccer game apparatus. 2,884,253, 4-28-59, Cl. 273-85.
- Rivers, George D., and D. H. Lapointe, to Royal McBee Corp. Printed circuit translators. 2,899,676, 8-11-59, Cl. 340-247.
- Rivers, Paul J. Flat tire alarm. 2,917,020, 12-15-59, Cl. 116-34.
- Rivers, Richard D., to American Air Filter Co., Inc. Electrostatic air filter cell with conductively striped filter web. 2,868,319, 1-13-59, Cl. 183-7.
- Rivers, Richard D., and D. H. Robb, to American Air Filter Co., Inc. Electrostatic air filter. 2,908,348, 10-13-59, Cl. 183-7.
- Rivers, Robert A. Tunable cavity resonator. 2,919,419, 12-29-59, Cl. 333-83.
- Rivoche, Eugene J. Method of preparing food products. 2,877,382, 5-19-59, Cl. 99-1.
- Riv-Officine Di Villar Perosa Società per Azioni: See—  
Barberis, Giovanni. 2,869,783.
- Rix, Albert, to Olympia Werke A.G. Adjustable type lever action. 2,918,159, 12-22-59, Cl. 197-17.
- Rixson, Oscar C. Co. The: See—  
Ellis, David H., and Mielke. 2,909,801.  
Noltin, Frederick, and Martino. 2,887,194.
- Rizer, Floyd R., 20% to L. Vigne. Arc welding electrode holder with safety shutoff. 2,894,086, 7-7-59, Cl. 200-51.
- Rizer, Ralph B., and E. K. Landis. Nose initiator mounting. 2,871,787, 2-3-59, Cl. 102-70.2.
- Rizzatti, Frank, and J. D. Callahan, to Burleigh Brooks Inc. Quick mounting means for photographic cameras. 2,880,490, 4-7-59, Cl. 24-263.
- Rizzi, Luigi: See—  
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- Rizzitano, Fortunato J., to United States of America, Army. Collapsible plunger head. 2,900,075, 8-18-59, Cl. 207-6.
- Rizzo, Salvatore F., to Home Heating Devices, Inc. Heat economizer for small units. 2,882,023, 4-14-59, Cl. 257-2.
- Rizzuto, Angelo A. Foldable platform extension. 2,918,985, 12-29-59, Cl. 182-223.
- Rizzuto, Anthony: See—  
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- Rizzuto, Charles, to A. Rizzuto. Baby carriage brake mechanism. 2,873,820, 2-17-59, Cl. 188-20.
- Roach, James R.: See—  
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- Roach, James R., and J. P. Dilworth, to The Texas Co. Lubricating grease comprising methylchlorophenyl silicone polymer thickened with a high melting diazo compound. 2,880,176, 3-31-59, Cl. 252-49.6.
- Roach, James R., and J. P. Dilworth, to The Texas Co. EP additive for mixed lithium-calcium base greases. 2,886,526, 5-12-59, Cl. 252-40.
- Roach, James R., and J. P. Dilworth, to Texaco Inc. Lubricating greases containing polymerized dihydroquinolines. 2,908,646, 10-13-59, Cl. 252-42.1.
- Road, Richard A., to Duncan Electric Co., Inc. Insulated potential coils. 2,912,627, 11-10-59, Cl. 317-158.
- RO-AN Heat Reclaimer Corp.: See—  
Heller, Anton H. 2,890,862.
- Roan, Henry A. Variable valve timing mechanism for engines. 2,880,711, 4-7-59, Cl. 123-90.
- Roan, Henry A. Variable valve timing for overhead cam engines. 2,880,712, 4-7-59, Cl. 123-90.
- Roat, Howard L.: See—  
Lawless, Norman D., Roat, and Wheeler. 2,875,407.
- Robar, Garret D., to Vandercok & Sons, Inc. Plate mounting device. 2,908,319, 10-13-59, Cl. 154-1.
- Robards, Preston O.: See—  
Cavett, Paul A., and Robards. 2,901,008.
- Robards, Preston O., to Equipment Research Corp. Jumper for interconnecting power control conductors of railway diesel units and the like. 2,869,091, 1-13-59, Cl. 339-29.

- Robb, Adrian J. Device for use in carrying golf clubs. 2,887,137, 5-19-59, Cl. 150-1.5.
- Robb, Alexander L.: See—  
Hodges, William C., and Robb. 2,873,502.
- Robb, Deloss H.: See—  
Rivers, Richard D., and Robb. 2,908,348.
- Robb, Frank B.: See—  
Robb, John F. and F. B. 2,872,007.
- Robb, John F. and F. B., to J. W. Menhall. Ticket dispensing parking meter. 2,872,007, 2-3-59, Cl. 194-7.
- Robb, Walter Y., to Crompton & Knowles Loom Works. Pile fabric loom and pile wire therefor. 2,868,231, 1-13-59, Cl. 139-46.
- Robbers, James A.: See—  
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- Robbie, Kenneth A.: See—  
Solley, Douglas A., Jr., and Robbie. 2,900,807.
- Robbie, Kenneth A., to General Electric Co. Refrigerator cabinet. 2,867,095, 1-6-59, Cl. 62-285.
- Robbins, Albert A., to Kwik-Kold of America, Inc. Beverage cooling means. 2,882,691, 4-21-59, Cl. 62-4.
- Robbins, Albert A. Folding type chemical freezing package. 2,882,692, 4-21-59, Cl. 62-4.
- Robbins, Albert A., to Kwik-Kold of America, Inc. Chemical freezing package. 2,898,744, 8-11-59, Cl. 62-4.
- Robbins, Albert A., Kwik-Kold of America, Inc. Method of forming a cooling package. 2,907,173, 10-6-59, Cl. 62-4.
- Robbins, Albert A., to Kwik-Kold of America, Inc. Unit type chemical freezing package. 2,916,886, 12-15-59, Cl. 62-4.
- Robbins, Asthino, 50% to W. J. Amburgey. Fire alarm. 2,898,426, 8-4-59, Cl. 200-142.
- Robbins, Azor D. Body supports. 2,886,031, 5-12-59, Cl. 128-78.
- Robbins, Clyde F.: See—  
Nolden, William F., and Robbins. 2,878,368.  
Nolden, William F., and Robbins. 2,896,034.  
Nolden, William F., and Robbins. 2,908,776.
- Robbins, Clyde F., to Cutler-Hammer, Inc. Driving and positioning mechanism for drum type controller. 2,908,175, 10-13-59, Cl. 74-143.
- Robbins, Dewey H., to Fisher Flouring Mills Co. Method of processing wheat. 2,884,327, 4-28-59, Cl. 99-80.
- Robbins, Donald A.: See—  
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- Robbins, Earl R., to General Electric Co. Waveguide system and method. 2,877,410, 3-10-59, Cl. 324-58.5.
- Robbins, Edward S., to Robbins Floor Products, Inc. Extrusion graining process. 2,914,807, 12-1-59, Cl. 18-48.8.
- Robbins Floor Products, Inc.: See—  
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- Robbins, Frederick P. Spring blinder. 2,909,179, 10-20-59, Cl. 129-24.
- Robbins, James S. Cable spreading tool. 2,881,582, 4-14-59, Cl. 57-3.5.
- Robbins, James S., to Goodman Mfg. Co. Rotary tunneling machine having ratcheting advancing and retracting means. 2,898,742, 8-11-59, Cl. 61-84.
- Robbins, Kenneth C.: See—  
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- Robbins, Kenneth C., to Armour and Co. Intrinsic factor preparation. 2,910,405, 10-27-59, Cl. 167-74.
- Robbins, Kenneth C., and N. H. Grant, to Armour and Co. Process for preparing pankrin. 2,871,165, 1-27-59, Cl. 195-63.
- Robbins, Kenneth C., and N. H. Grant, to Armour and Co. Preparation of uricase. 2,878,161, 3-17-59, Cl. 195-66.
- Robbins, Leo, and J. Bendror, to Printing Industries Equipment Inc. Book rounding and backing machine. 2,911,659, 11-10-59, Cl. 11-5.
- Robbins, Leroy V., Jr., and E. J. Newchurch, to Esso Research and Engineering Co. Hydrocarbon conversion process. 2,895,900, 7-21-59, Cl. 208-72.
- Robbins, Leroy V., Jr., and L. A. Nicolai, to Esso Research and Engineering Co. Regeneration of hydroforming catalysts containing sulfur inactivating deposits. 2,905,631, 9-22-59, Cl. 208-136.
- Robbins, Maurice A., Jr., to General Aniline & Film Corp. Film spool holding device for cameras. 2,868,472, 1-13-59, Cl. 242-71.
- Robbins & Myers, Inc.: See—  
Bourke, John D. 2,874,643.  
Bourke, John D., and Comer. 2,915,979.  
Miche, John S. 2,896,480.  
Miche, John S., and Springer. 2,871,793.  
Weed, Herman R. 2,901,695.
- Robbins, Noel. Surgical handpiece. 2,881,763, 4-14-59, Cl. 128-355.
- Robbins, Noel. Surgical flexible cable support. 2,881,998, 4-14-59, Cl. 248-70.
- Robbins, Ollice C. Portable horizontal drill. 2,868,043, 1-13-59, Cl. 77-7.
- Robbins, Omer E. Co.: See—  
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- Robbins, Sam, Inc.: See—  
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Robbins, Samuel B. 2,903,651.
- Robbins, Samuel B., to Sam Robbins, Inc. Apparatus for and method of wave guide energy transmission modulation, control and cut-off. 2,903,613, 9-8-59, Cl. 315-3.
- Robbins, Samuel B., to Sam Robbins, Inc. Warning device and signal. 2,903,681, 9-8-59, Cl. 340-220.
- Robbins, Thomas E., Jr.: See—  
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- Robbins, Wilbur, and G. S. Jenkins, to National Mine Service Co. Continuous mining by cutting and crushing. 2,872,169, 2-3-59, Cl. 262-7.
- Robbins, Wilbur, and C. C. Conway, to National Mine Service Co. Steering-by-driving control mechanism. 2,890,034, 6-9-59, Cl. 262-7.
- Robbins, William K. Three piece separable section chain connector and the like. 2,877,621, 3-17-59, Cl. 59-88.
- Robedee, Helen M.: See—  
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- Robedee, Lee C., to H. M. Robedee, 1/4 to V. L. and A. F. Rioux, 1/4 to F. C. and W. F. Moran, and 1/4 to D. E. and J. E. Ziemiński. Waste disposal device. 2,898,198, 8-4-59, Cl. 23-252.
- Roeder, Andries G., and T. de Jong, to North American Phillips Co., Inc. Coll system comprising a slidable-core coil. 2,887,666, 5-19-59, Cl. 336-75.
- Robell, John, M. Steinberg, and E. B. Jones to Guggenheim Brothers (1949 Firm). Process for the production of anhydrous hydrazine. 2,878,103, 3-17-59, Cl. 23-190.
- Roberge, Joseph D.: See—  
Cannon, Charles E., Jr., and Roberge. 2,906,016.
- Roberson, Cletis L., and R. L. Tiede, to Owens-Corning Fiberglas Corp. Level indicator and controller. 2,891,686, 6-23-59, Cl. 214-18.2.
- Roberson, Keith, and E. H. Mossner, to The Dow Chemical Co. Method of preparing molten magnesium alloy for casting. 2,906,619, 9-29-59, Cl. 75-168.
- Robert, Alcid R. Tailor's marking and measuring gauge. 2,915,825, 12-8-59, Cl. 33-2.
- Robert, Andre: See—  
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- Robert, Jacques G.: See—  
Jacob, Robert M., and Robert. 2,877,224.
- Robert, Jean: See—  
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- Robert, Roger A., and A. M. E. Henault, to said Henault assor., to said Robert. Remote control aircraft system. 2,886,261, 5-12-59, Cl. 244-17.25.
- Robertson, Frederic A., and H. T. Bright, to Robertson Mfg. Co. Wheel adjustment for mowers. 2,879,074, 3-24-59, Cl. 280-43.
- Robertson Mfg. Co.: See—  
Robertson, Frederic A., and Bright. 2,879,074.
- Roberts, Aaron. Automatic log feeding and sawing apparatus. 2,889,858, 6-9-59, Cl. 143-46.
- Roberts, Aaron G., W. A. Crouse, and R. S. Pizer, to United States of America, Navy. Apparatus for measuring abrasion resistance. 2,907,200, 10-6-59, Cl. 73-7.
- Roberts, Albert O.: See—  
Rudnicki, William E., and Roberts. 2,894,790.
- Roberts, Albert O., to Ford Motor Co. Vehicle steering gear. 2,885,904, 5-12-59, Cl. 74-499.
- Roberts, Albert W.: See—  
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- Roberts Brass Mfg. Co., The: See—  
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- Roberts, Bruce, to Armour Research Foundation of Illinois Institute of Technology. Magnetic tape recording equipment. 2,873,926, 2-17-59, Cl. 242-55.12.
- Roberts, Bruce, to Dictaphone Corp. Dictation apparatus. 2,900,191, 8-18-59, Cl. 274-4.
- Roberts, Carl E., and J. P. Swed, to E. I. du Pont de Nemours and Co. Method for the preparation of seld metal-stranded cable. 2,903,843, 9-15-59, Cl. 57-160.
- Roberts, Carleton W.: See—  
McBee, Earl T., Idol, and Roberts. 2,911,448.  
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- Roberts, Carleton W., and D. H. Haigh, to The Dow Chemical Co. Hexachlorocyclopentadiene adduct with N,N'-methyl-enebis acrylamide. 2,908,712, 10-13-59, Cl. 260-557.
- Roberts, Charles B. Stopper for ampoules and the like. 2,881,937, 4-14-59, Cl. 215-76.
- Roberts, Charles H. Anti-skid mechanism for aircraft landing wheels. 2,919,162, 12-29-59, Cl. 303-21.
- Roberts, Charles W. Electronic talking manikin. 2,871,593, 2-3-59, Cl. 40-28.3.
- Roberts, Clinton W. Foldable structural member. 2,876,872, 3-10-59, Cl. 189-34.
- Roberts, David G.: See—  
Davies, Thomas T., and Roberts. 2,915,461.
- Roberts, Edward H., to General Electric Co. Automatic ice maker. 2,907,183, 10-6-59, Cl. 62-233.
- Roberts, Elliott J., to Dorr-Oliver Inc. Producing sulphur dioxide gas. 2,867,506, 1-6-59, Cl. 23-177.
- Roberts, Elwyn, to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Process for the production of guanidine and derivatives thereof. 2,884,437, 4-28-59, Cl. 260-459.
- Roberts, Ernest E., and C. A. Shope, to Phillips Petroleum Co. Press for consolidation of material under pressure. 2,889,578, 6-9-59, Cl. 18-16.
- Roberts, Frank B. Box filling apparatus. 2,908,475, 10-13-59, Cl. 249-59.



- Roberts, Frank S. Process of producing rubber latex dispersion containing rubber crumb granules. 2,882,327, 4-14-59, Cl. 260-723.
- Roberts, Fred J.: See—  
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- Roberts, Fred T.: See—  
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- Roberts, Fred T. Flexible hose and method of making the same. 2,891,581, 6-23-59, Cl. 138-55.
- Roberts, Fred T. and R. E. Hose. 2,897,839, 8-4-59, Cl. 138-56.
- Roberts, Fred T. and R. E. Hose and method of making same. 2,897,840, 8-4-59, Cl. 138-56.
- Roberts, Frederick S. Gasoline economizer valve. 2,884,954, 5-5-59, Cl. 137-625.37.
- Roberts, Frederick W.: See—  
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- Roberts, Frederick W., and J. R. Montgomery, to Dictaphone Corp. Portable dictation apparatus. 2,894,700, 7-14-59, Cl. 242-55.13.
- Roberts, George A., to Vanadium-Alloys Steel Co. Wrought machinable tool steels. 2,914,400, 11-24-59, Cl. 75-123.
- Roberts, George A., and J. C. Hamaker, Jr., to Vanadium-Alloys Steel Co. Heat treatment of steel. 2,893,902, 7-7-59, Cl. 146-12.
- Roberts, George L., Jr., to American Cyanamid Co. Crystallization resistant phthalocyanines. 2,891,964, 6-23-59, Cl. 260-314.5.
- Roberts, Glendon H., to Detroit Stamping Co. Clamp device. 2,903,718, 9-15-59, Cl. 24-248.
- Roberts, Harold F., to Chemetron Corp. Mechanical timer control for fire extinguishing system. 2,878,879, 3-24-59, Cl. 169-11.
- Roberts, Harold P.: See—  
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- Roberts, Harold P., and D. W. Hayes, to The Goodyear Tire & Rubber Co. Process for pelletizing dry rubber accelerators. 2,888,444, 5-26-59, Cl. 260-79.5.
- Roberts, Harold P., and R. O. Balr, to The Goodyear Tire & Rubber Co. Process for removing hydrogen chloride from rubber hydrochloride solutions. 2,917,567, 12-15-59, Cl. 260-77.1.
- Roberts, Henry B., to Roberts Industries. Portable chicken and animal feed mixing and dispensing means. 2,872,166, 2-3-59, Cl. 259-9.
- Roberts, Howard C., to Koehring Co. Load-measuring device. 2,880,985, 4-7-59, Cl. 265-27.
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- Roberts, James G. Food product and method of making the same. 2,878,126, 3-17-59, Cl. 99-117.
- Roberts, James R.: See—  
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- Roberts, James R., to Weyerhaeuser Timber Co. Method of and means for felting with variable suction. 2,912,723, 11-17-59, Cl. 19-156.
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- Roberts, John W., to Westinghouse Electric Corp. Electrostatic precipitators. 2,869,678, 1-20-59, Cl. 183-7.
- Roberts, Leonard E., and E. Evenson, to American Tapered Wings, Inc. Contouring machine. 2,870,687, 1-27-59, Cl. 90-13.
- Roberts, Louis W., to Bomec Laboratories Inc. Microwave oscillator device. 2,879,438, 3-24-59, Cl. 315-3.5.
- Roberts Mfg. Co.: See—  
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- Roberts, Martin, to Don Baxter, Inc. Flow control valve. 2,913,000, 11-17-59, Cl. 137-525.
- Roberts, Mary A. Scribing device. 2,872,735, 2-10-59, Cl. 33-95.
- Roberts, Melvin F., to United States of America, Army. Automatic spinning machine. 2,902,963, 9-8-59, Cl. 113-52.
- Roberts, Miron J.: See—  
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- Roberts, Ray J. D., to C. D. Hummel, Sr. Circuit breaker. 2,913,552, 11-17-59, Cl. 200-115.5.
- Roberts, Raymond A., Jr., to Tinnerman Products, Inc. Closure fastener. 2,883,228, 4-21-59, Cl. 292-256.71.
- Roberts, Raymond A., Jr., to Tinnerman Products, Inc. Selenium and like rectifier stack. 2,911,575, 11-3-59, Cl. 317-234.
- Roberts, Raymond V. Wrestling headgear. 2,886,818, 5-19-59, Cl. 2-3.
- Roberts, Richard B.: See—  
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- Marsden, John E., Jr. 2,901,024.
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- Roberts, Rolla W. Closing drive for C clamp. 2,907,361, 10-6-59, Cl. 144-305.
- Roberts, Russell R.: See—  
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- Roberts, Shepard, to General Electric Co. Shear type piezo-electric device. 2,902,545, 9-1-59, Cl. 179-100.41.
- Roberts, Sidney, to Micromatic Machine Corp. Drill press jigs and accessories therefor. 2,877,672, 3-17-59, Cl. 77-82.
- Roberts, Viola V. Fluid-pressure pump. 2,893,325, 7-7-59, Cl. 103-234.
- Roberts, Walter Van B.: See—  
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- Roberts, William B., to Sarkes Tarzian, Inc. Selenium rectifier. 2,873,414, 2-10-59, Cl. 317-241.
- Roberts, William C., and H. Mendelson, to Radio Corp. of America. Dial indicator. 2,885,992, 5-12-59, Cl. 116-124.4.
- Roberts, William E. Tree limb shaking device. 2,867,964, 1-13-59, Cl. 56-328.
- Roberts, William J., to Pennsylvania Industrial Chemical Corp. Method of purifying polymer solutions. 2,891,933, 6-23-59, Cl. 260-82.
- Roberts, William L., to Westinghouse Electric Corp. Image reproduction system. 2,871,395, 1-27-59, Cl. 313-66.
- Roberts, William L., and J. W. Colman, to Westinghouse Electric Corp. Image intensifier. 2,873,349, 2-24-59, Cl. 250-213.
- Roberts, William W., Jr., to Chemetron Corp. Method for producing hydrogen sulfide by synthesis. 2,876,070, 3-3-59, Cl. 23-181.
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- Branson, Charles D. 2,901,174.
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- Fergus, Edward S. 2,897,308.
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- Hardway, Edward V., Jr. 2,887,172.
- Houser, Roy W. 2,914,633.
- Jackson, Wilbur F., and Dykzeul. 2,880,936.
- Maltby, Frederick L. 2,912,052.
- Marlow, Jacob. 2,888,945.
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- Weber, Victor, Branson, and Genbauffe. 2,909,324.
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- Robertson Brothers, Inc.: See—  
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- Robertson, Dale N.: See—  
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- Robertson, Dale N., to The Dow Chemical Co. 2,3-dichloro-N-(piperonylidene) aniline. 2,876,220, 3-3-59, Cl. 260-240.
- Robertson, Dale N., to The Dow Chemical Co. Nitroethylenes. 2,899,429, 8-11-59, Cl. 260-240.
- Robertson, Dale N., to The Dow Chemical Co. Nitrogenous compounds. 2,914,560, 11-24-59, Cl. 260-566.
- Robertson, Dale N., to The Dow Chemical Co. Hydroxynitro-stilbenes. 2,914,570, 11-24-59, Cl. 260-619.
- Robertson, Dale N., to The Dow Chemical Co. Tetra-hydropyrans. 2,916,501, 12-8-59, Cl. 260-345.9.
- Robertson, Dale N., and M. B. Chenoweth, to The Dow Chemical Co. Propynyl phenylethylamines and their halogen acid salts. 2,884,455, 4-28-59, Cl. 260-570.8.
- Robertson, Dudley L.: See—  
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- Robertson, Earl M., and J. A. Van Allan, to Eastman Kodak Co. Photosensitization of vinylazidophthalate polymers. 2,870,011, 1-20-59, Cl. 96-91.
- Robertson, Edwin J., and J. B. Craine, to Wilson & Co., Inc. Ham package and support therefor. 2,876,114, 3-3-59, Cl. 99-174.

- Robertson, Evans, and O. Langhans, to Pipe Line Service Corp. Concrete coating machine. 2,890,837, 6-16-59, Cl. 239-215.
- Robertson, Frank A. Thumb tack tool. 2,896,211, 7-28-59, Cl. 1-49.8.
- Robertson, Frederick K.: See—  
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- Robertson, Frederick W., to General Electric Co. Square tubing cutoff tool. 2,908,328, 10-13-59, Cl. 164-47.
- Robertson, George H., to Bell Telephone Laboratories, Inc. Virtual cathode stabilization means. 2,903,580, 9-8-59, Cl. 250-27.
- Robertson, George H., to Bell Telephone Laboratories, Inc. Electron discharge device. 2,906,852, 9-22-59, Cl. 313-346.
- Robertson, George L., to Robertson Brothers, Inc. Apparatus for straightening and delivering paper sheets with moist paste therebetween. 2,884,245, 4-28-59, Cl. 271-87.
- Robertson, H. H., Co.: See—  
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- Curran, Bernard E. 2,908,211.
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- Curran, Bernard E. 2,916,110.
- Curran, Bernard E., and Kautz. 2,883,111.
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- Edgar, William L. 2,910,152.
- Goemann, Richard P. 2,877,990.
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- Millstone, Gilbert J. 2,910,151.
- Roseman, Oscar E. 2,910,150.
- Robertson, Jack B., and R. Volpone, to United States of America, Navy. Electron tube protective device. 2,899,483, 8-11-59, Cl. 174-138.
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- Robertson, James J., to The Firestone Tire & Rubber Co. Copolymerization of chlorotrifluoroethylene and an alkyl vinyl ether. 2,905,660, 9-22-59, Cl. 260-87.5.
- Robertson, James M., to The Texas Co. Method and apparatus for determining, and for maintaining constant, the proportions of a flowing fluid mixture. 2,868,216, 1-13-59, Cl. 137-9.
- Robertson, John D., to Mount Hope Machinery Co. Expanding and contracting rolls. 2,898,662, 8-11-59, Cl. 26-63.
- Robertson, Leon. Collapsible tube dispensing support. 2,880,911, 4-7-59, Cl. 222-105.
- Robertson, Melborne L., to Gulf Oil Corp. Electrical control apparatus. 2,892,097, 6-23-59, Cl. 250-233.
- Robertson, Oliver W. Pressure seal for containers. 2,907,492, 10-6-59, Cl. 220-81.
- Robertson, P. L. Mfg. Co. Ltd.: See—  
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- Robertson Photo-Mechanix, Inc.: See—  
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- Robertson, Richard B.: See—  
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- Robertson, Sloan D., to Bell Telephone Laboratories, Inc. Fineline phase shifter. 2,907,939, 10-6-59, Cl. 333-33.
- Robertson, Theodore A. Baby food warmer. 2,912,115, 11-10-59, Cl. 211-74.
- Robertson, W. H. A., & Co. Ltd.: See—  
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- Robertson, William E. Method of reconditioning full-fashion knitting machines. 2,904,979, 9-22-59, Cl. 66-110.
- Robertson, William G., to Rotronic Corp. Ltd. Coll winding apparatus for odd-shaped coils and the like. 2,877,807, 3-17-59, Cl. 140-92.2.
- Robeson, Charles D., and A. J. Chechak, to Eastman Kodak Co. Preparation of 4-octene-2,7-dione. 2,904,493, 9-15-59, Cl. 260-593.
- Robeson, Max O., to Celanese Corp. of America. Production of anhydrocaneheptitol. 2,885,408, 5-3-59, Cl. 260-345.9.
- Robideau, Richard P. Knock down mop cleaner and dust collector. 2,888,704, 6-2-59, Cl. 15-257.
- Robie, Norman P., to Electro Refractories & Abrasives Corp. Abrasive material and method of making same. 2,877,104, 3-10-59, Cl. 51-308.
- Robillart, Michel. Co-enzyme A and method of conserving the same. 2,917,434, 12-15-59, Cl. 167-65.
- Robineau, Doria N., to The Poly-Seal Corp. Bottle pipette closure for liquid containers. 2,913,017, 11-17-59, Cl. 141-24.
- Robinette, Hillary, Jr. Starch modified by hydantoins. 2,880,107, 3-31-59, Cl. 106-211.
- Robinette, Hillary, Jr. Method of tissue filling. 2,880,134, 3-31-59, Cl. 167-49.5.
- Robinette, Spurgeon L., Jr., and C. L. Dotson, to Southern Research Institute. Apparatus for testing metals and test specimen for use therein. 2,917,920, 12-22-59, Cl. 73-95.
- Robins, A. H., Co., Inc.: See—  
Kibler, Louis E., and Sindall. 2,877,816.
- Lunsford, Carl D. 2,875,264.
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- Robins, Erford E.: See—  
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- Robins, Howard M., to Zenith Radio Corp. Signal-translating apparatus. 2,876,299, 3-3-59, Cl. 179-171.
- Robinson, Albert, and M. W. Alford, to British Celanese Ltd. Crimping of textile fibres. 2,914,810, 12-1-59, Cl. 19-66.
- Robinson, Albert L.: See—  
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- Robinson, Albert P. Stairway construction. 2,909,918, 10-27-59, Cl. 72-96.
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- Robinson, Alice G. Containers, such as boxes, baskets and the like. 2,869,769, 1-20-59, Cl. 224-46.
- Robinson, Arvin E. Archer's finger protector. 2,903,701, 9-15-59, Cl. 2-21.
- Robinson, Andrew. Low pressure indicator for automotive vehicle tires. 2,868,908, 1-13-59, Cl. 200-61.25.
- Robinson, Art L., to Merla Tool Corp. Well flow valve devices. 2,894,793, 7-14-59, Cl. 309-23.
- Robinson, Arthur A.: See—  
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- Robinson, Arthur G. G. H., to E. K. Cole, Ltd. Aerial assembly. 2,884,630, 4-28-59, Cl. 343-756.
- Robinson, Bruce E.: See—  
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- Robinson, Charles F., to Consolidated Electrodynamics Corp. Chromatography. 2,875,606, 3-3-59, Cl. 73-23.
- Robinson, Charles T.: See—  
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- Robinson Clay Products Co., The: See—  
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- Robinson, Clifton F.: See—  
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- Robinson, Cyril: See—  
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- Robinson, David. Closure devices. 2,903,033, 9-8-59, Cl. 150-10.
- Robinson, David, E. E. Mitchell, T. T. Johnson, and R. W. Samsel, to General Electric Co. Method and apparatus for mechanically storing electrical information. 2,912,678, 11-10-59, Cl. 340-174.
- Robinson, Elliot. Support brackets. 2,876,978, 3-10-59, Cl. 248-245.
- Robinson, Elvin B., to Ideal Industries, Inc. Flyer. 2,873,571, 2-17-59, Cl. 57-117.
- Robinson, Eric E., to Rotax Ltd. Protective apparatus for electric current distributing systems. 2,869,067, 1-13-59, Cl. 322-36.
- Robinson, Eric E., to Rotax Ltd. Excitation means for alternating electric current generators. 2,873,420, 2-10-59, Cl. 322-27.
- Robinson, Frank A.: See—  
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- Robinson, Frederick C., and R. A. Grouse, to A. H. Hunt (Capacitors) Ltd. Electrical capacitors. 2,919,390, 12-29-59, Cl. 317-260.
- Robinson, George L., to Blaw-Knox Co. Replaceable support for refractory lining of furnace doors. Re. 24,606, 2-24-59, Cl. 110-173.
- Robinson, George L. Corner bead. 2,904,856, 9-22-59, Cl. 20-74.
- Robinson, George W., to Studebaker-Packard Corp. Method of joining two panels of an automobile trunk lid or door or the like by welding. 2,889,619, 6-9-59, Cl. 29-475.
- Robinson, Gerald: See—  
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- Robinson, Gerald, to General Aniline & Film Corp. Vinyl lower alkyl ether-maleic anhydride copolymer as a pesticide solubilizer. 2,872,369, 2-3-59, Cl. 167-42.
- Robinson, Glen, and L. A. Davies, to Camera Vision Productions, Inc. Dual camera unit. 2,883,903, 4-28-59, Cl. 88-16.
- Robinson, Harold A., to The Dow Chemical Co. Galvanic anode. 2,895,893, 7-21-59, Cl. 204-197.
- Robinson, Harold K.: See—  
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- Robinson, Harris A., to Radio Corp. of America. Oscillator control system. 2,875,337, 2-24-59, Cl. 250-36.
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- Robinson, Harry A. Power driven lawn rake. 2,898,724, 8-11-59, Cl. 56-27.
- Robinson, Harry F., to Colerem Metal Products Co. De-mountable shelf structure. 2,912,119, 11-10-59, Cl. 211-136.



- Robinson, Helen M.: See—  
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- Robinson, Herbert L.: See—  
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- Robinson, Herbert T., and V. H. Jungjohann, to Eastman Kodak Co. Slide holders and magazines therefor. 2,919,021, 12-29-59, Cl. 206-62.
- Robinson, Herbert W., to Firth Brown Tools Ltd. Milling cutter. 2,914,833, 12-1-59, Cl. 29-105.
- Robinson, Herman P., to United States of America, Atomic Energy Commission. Electronic analog computer for determining radioactive disintegration. 2,894,688, 7-14-59, Cl. 235-184.
- Robinson-Houchin, Inc.: See—  
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- Robinson, James, and K. Court, to Vickers Inc. Single station variable length stroke motor control system. 2,918,902, 12-29-59, Cl. 121-38.
- Robinson, James M., and S. A. Anderson, to Amana Refrigeration, Inc. Refrigerator door with trays. 2,877,017, 3-10-59, Cl. 312-248.
- Robinson, James M., D. A. Lewis, and L. J. Greshel, to North Electric Co. Base for telephone substation set. 2,912,513, 11-10-59, Cl. 179-100.
- Robinson, John D., to The Cleveland Twist Drill Co. Stud removers. 2,912,890, 11-17-59, Cl. 81-53.
- Robinson, John L., to Philco Corp. Delay line. 2,867,777, 1-6-59, Cl. 333-30.
- Robinson, John W., to Richmond Engineering Co., Inc. Filters. 2,911,101, 11-3-59, Cl. 210-458.
- Robinson, Joseph. Combined vaporizer and cover for medication jar. 2,887,106, 5-19-59, Cl. 128-198.
- Robinson, Joseph J., Jr., to Marsh Wall Products, Inc. Wallboard fastening means. 2,880,481, 4-7-59, Cl. 20-92.
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- Robinson, Joseph N., F. J. L. Miller, and B. McDonnell, to The Consolidated Mining and Smelting Co. of Canada Ltd. Method of producing guanidine nitrate. 2,895,994, 7-21-59, Cl. 260-564.
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- Robinson, Laurence E.: See—  
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- Robinson, Lawrence. Typewriter. 2,901,081, 8-25-59, Cl. 197-194.
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- Robinson, Sanford J.: See—  
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- Robinson, Mattie L. Brassiere strap. 2,870,768, 1-27-59, Cl. 128-510.
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- Robinson, Merton L.: See—  
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- Robinson, Miles S., to L-O-F Glass Fibers Co. Device for coating multiple strand yarns. 2,875,727, 3-3-59, Cl. 118-268.
- Robinson, Norman W., and H. G. Flood, to North American Phillips Co., Inc. Travelling wave tube. 2,885,592, 5-5-59, Cl. 315-3.6.
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- Robinson, Paul C., to Arkell and Smiths. Apparatus for heat sealing a ply of a bag tube. 2,875,673, 3-3-59, Cl. 93-2.
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- Robinson, Reed A.: See—  
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- Robinson, Richard A.: See—  
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- Robinson, Richard A., to G. D. Searle & Co. Hydroxyphenyl-kylaminoalkylindoles and ethers corresponding. 2,908,691, 10-13-59, Cl. 260-319.
- Robinson, Robert C., to Westinghouse Electric Corp. Linear reluctance motor drive. 2,915,654, 12-1-59, Cl. 310-14.
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Nobis, John F., and Robinson. 2,914,578.
- Robinson, Robert E., and J. F. Nobis, to National Distillers and Chemical Corp. Preparation of dialkoxyl alkyl derivatives of dimers of conjugated olefins. 2,867,656, 1-6-59, Cl. 260-535.
- Robinson, Robert E., and E. G. Pritchett, to National Distillers and Chemical Corp. Preparation of dimethylaluminum hydride. 2,915,542, 12-1-59, Cl. 260-448.
- Robinson, Ronald R.: See—  
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- Robinson, Roy H. Rackets for batting games. 2,878,020, 3-17-59, Cl. 273-73.
- Robinson, Russell S. Ammunition belt feed system for automatic firearms. 2,875,671, 3-3-59, Cl. 89-33.
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- Robinson, Samuel C., to Robinson Machine Works, Inc. Means for interlocking electrical connector casings. 2,869,099, 1-13-59, Cl. 339-91.
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- Robinson, Thomas P., and B. W. Glover, to International Standard Electric Corp. Electrical control circuits. 2,876,861, 3-10-59, Cl. 183-7.
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- Robinson, Thomas, & Son Ltd.: See—  
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- Robinson, Walter G. Detachable traction device for wheels. 2,900,004, 8-18-59, Cl. 152-226.
- Robinson, William H.: See—  
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- Robinson, William H. Dual-purpose closure members. 2,901,140, 8-25-59, Cl. 215-41.
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- Robinson, William P., to H. C. Smith Oil Tool Co. Seal protector. 2,907,611, 10-6-59, Cl. 308-187.1.
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- Robishaw, Alice P., to C. N. Housh. Unitized pipe rack. 2,880,881, 4-7-59, Cl. 211-60.
- Robishaw, Earl J.: See—  
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- Robison, Hilda S.: See—  
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- Robison, James B.: See—  
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- Robison, Wilbur and William, said William Robison to H. S. Robison. Electric switches. 2,880,285, 3-31-59, Cl. 200-51.
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- Robison, William A., Jr., to Westinghouse Air Brake Co. Electrical relays. 2,901,572, 8-25-59, Cl. 200-93.
- Robitaille, Martial J. Knife honing and sharpening device. 2,885,836, 5-12-59, Cl. 51-214.
- Robitschek, Paul: See—  
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- Robitschek, Paul, and C. T. Bean, to Hooker Chemical Corp. Composition comprising a vinyl monomer and a polyester of a polyhydric alcohol, an unsaturated acid, a saturated acid and a hexahalo-cyclopentadiene adduct and laminated article containing same. 2,890,144, 6-9-59, Cl. 154-43.

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- Robitschek, Paul, and J. L. Olmstead, to Hooker Chemical Corp. Polymerizable fire resistant polyester composition comprising hexahalo-cyclopentadiene and antimony trioxide. 2,909,501, 10-20-59, Cl. 260-40.
- Robosonic National Industries Corp.: See—  
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- Robotron Corp.: See—  
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- Robson, Brian: See—  
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- Robson, Homer L., to Olin Mathieson Chemical Corp. Spray drying calcium hypochlorite slurry. 2,901,435, 8-25-59, Cl. 252-187.
- Robson, Ian K. M.: See—  
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- Robuck, Edmund R., and C. F. Delinger, to Hoffman Electronics Corp. Frequency synthesizer system or the like. 2,914,733, 11-24-59, Cl. 331-39.
- Roby, Horace H., to Roby-Hutton. Drive and transmission for power-driven paddle wheel boat. 2,907,296, 10-6-59, Cl. 115-49.
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- Rocard, Yves A., and B. E. Bartels, to Hupp Corp. Infra-red devices and methods. 2,884,345, 4-28-59, Cl. 117-201.
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- Rocco, Joseph. Tool holder. 2,875,560, 3-3-59, Cl. 51-232.
- Rocca, Julius P.: See—  
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- Schneider, Helmut G., Young, and Rocca. 2,876,204.
- Roch, Pierre M., to P. Roch, S.A.R.L. Internal diameter micrometer. 2,881,529, 4-14-59, Cl. 33-176.
- Roch, Pierre, S.A.R.L.: See—  
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- Rocha, Henrique A. F., to General Electric Co. Time base converter. 2,895,784, 7-21-59, Cl. 346-33.
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- Roche, Melvin E., and L. K. Jackson, to The Harvard Mfg. Co. Bedframe support leg. 2,911,656, 11-10-59, Cl. 5-310.
- Roche, Richard A., G. Mulach, Jr., and F. L. Gagnon, Jr., to Hughes Aircraft Co. Aircraft automatic flight control system. 2,881,991, 4-14-59, Cl. 244-77.
- Rochefort, Leo T. Washing machine. 2,895,319, 7-21-59, Cl. 68-3.
- Rochelle, Robert W., and R. L. Van Allen. Variable frequency magnetic multivibrator. 2,894,250, 7-7-59, Cl. 340-174.
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- Rochester, Thomas S.: See—  
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- Rochius, Bertram J. Compressor. 2,898,033, 8-4-59, Cl. 230-147.
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- Rochwhite, Seton I. Stereoscopic camera. 2,906,183, 9-29-59, Cl. 95-18.
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- Rock, Albin S., to F. L. & J. C. Codman Co. Buffing wheel. 2,885,834, 5-12-59, Cl. 51-193.
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- Rock, Allan L. Combined wallet, data file and calendar construction. 2,909,202, 10-20-59, Cl. 150-35.
- Rock, Clarence A., to Gadget-Of-The-Month Club, Inc. Selectively controllable, plunger operated, electric switch. 2,911,491, 11-3-59, Cl. 200-61.79.
- Rock, Kingsley C., to Minneapolis-Honeywell Regulator Co. Electric system. 2,877,385, 3-10-59, Cl. 315-202.
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- Rock, Murray P. Packaging machine. 2,917,883, 12-22-59, Cl. 53-178.
- Rockafellow, Stuart C., to Robotron Corp. Negative hold time circuit. 2,874,335, 2-17-59, Cl. 315-230.
- Rockafellow, Stuart C., to Robotron Corp. Timer for high speed resistance welding operations. 2,883,579, 4-21-59, Cl. 315-84.5.
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- Rockall, Frederick W., to The General Electric Co. Ltd. Linking mechanisms. 2,899,677, 8-11-59, Cl. 343-757.
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- Rockford Screw Products Co.: See—  
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- Rock of Ages Corp.: See—  
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- Rockoff, Joseph, to The Dayton Rubber Co. Textile drafting cot. 2,870,489, 1-27-59, Cl. 19-143.
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- Rockola, David C., to Rock-Ola Mfg. Corp. Selectively operable control mechanism for automatic phonographs. 2,909,761, 10-20-59, Cl. 340-162.
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- Rockriver, Clyde R., to Huggins-Young Co., Inc. Coffee brewer. 2,898,843, 8-11-59, Cl. 99-283.
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- Aaron, Charles, and Rockstrom. 2,877,959.
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- Rockwell, Edward A. Power steering system. 2,896,733, 7-28-59, Cl. 180-79.2.
- Rockwell, Edward A. Multiple ratio brake pedal construction. 2,900,054, 8-18-59, Cl. 188-152.
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- Dickerson, John L., and Herring. 2,900,995.
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- Pettigrew, David D. 2,876,669.
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- Starkey, Charles M. 2,906,386.
- Taylor, Charles R. 2,913,990.
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- Rockwell, Willard F. 2,893,520.
- Scheel, Walther F. 2,892,062.
- Yarne, John L. 2,914,311.
- Rockwell, Willard F., to Rockwell Standard Corp. Air spring emergency brake. 2,893,520, 7-7-59, Cl. 188-176.
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- Rockwood, Albert E., Jr.: See—
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- Olson, John B. 2,911,946.
- Rockwood, Clifton G.: See—
- Snow, Donald L., Kafitz, and Rockwood. 2,880,357.
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- Rodda, Sidney, to Siemens Edison Swan Ltd. Photo-electric cells. 2,895,068, 7-14-59, Cl. 313-102.
- Rodder, William, to Blaw-Knox Co. Tube cut-off machine with radially movable rotary cutter. 2,905,243, 9-22-59, Cl. 164-60.
- Rodebaugh, Everett G.: See—
- Saylor, Charles P., and Rodebaugh. 2,917,349.
- Roden, Ephraim H.: See—
- Mann, Walter J. 2,893,436.
- Rodenacker, Wolf, E. Isel, and R. Schnegg, to Farbenfabriken Bayer Akt. Continuous polymerizing apparatus. 2,889,211, 6-2-59, Cl. 23-283.
- Rodenhouse, Louis N., to Acme Protection Equipment Co. Eyeglass mounting for gas masks. 2,905,172, 9-22-59, Cl. 128-141.
- Rodenhuis, Wijbe, and A. M. J. van der Velden, to North American Philips Co., Inc. Radio receiving apparatus. 2,890,446, 6-9-59, Cl. 340-384.
- Roder, Albert, to NSU Werke Akt. Telescopic shock absorber. 2,867,298, 1-6-59, Cl. 188-88.
- Roder, Albert, to NSU Werke A.G. Construction of eccentrics in connecting rod drives for internal combustion engines with overhead camshaft. 2,900,838, 8-25-59, Cl. 74-570.
- Roderfeld, Heinrich: See—
- Claas, August, Brenner, Roderfeld, and Claas. 2,888,088.
- Roderick, Robert C.: See—
- Harder, Alvin E., and Roderick. 2,878,761.
- Rodger, Robert F.: See—
- Garacia, Alfons J., and Rodger. 2,897,444.
- Rodgers, Clifford J., Jr., to Gulf Oil Corp. Apparatus for control of flow through the annulus of a dual-zone well. 2,870,843, 1-27-59, Cl. 166-115.
- Rodgers, Dominick. Artificial Christmas trees. 2,911,748, 11-10-59, Cl. 41-15.
- Rodgers, Elbert A. Liquid level and pressure control valve for oil wells. 2,905,246, 9-22-59, Cl. 166-54.
- Rodgers, George F.: See—
- Young, De Walt S., and Rodgers. 2,887,515.
- Rodgers, George H. Multiple indicator system with resettable warning signal. 2,917,731, 12-15-59, Cl. 340-213.
- Rodgers, George V. Pulse operated servomechanism. 2,883,662, 4-21-59, Cl. 343-106.
- Rodgers, John A. Lathe attachment. 2,880,767, 4-7-59, Cl. 142-55.
- Rodgers, Joseph, to Bell Telephone Laboratories, Inc. Locking device for straightedges. 2,909,840, 10-27-59, Cl. 33-80.
- Rodgers, Joseph M., and R. W. Leland, to General Motors Corp. Switch operating means. 2,895,026, 7-14-59, Cl. 200-87.
- Rodgers, Otis N., and W. F. Olson, to American Iron & Machine Works Co., Inc. Valves. 2,903,235, 9-8-59, Cl. 251-332.

- Rodgers, Thomas E., to Northrop Aircraft, Inc. Electrolytic solution. 2,884,381, 4-28-59, Cl. 252-62.2.
- Rodgers, Wilber W., to Dover Corp. Loading dock ramp. 2,881,457, 4-14-59, Cl. 14-71.
- Rodgers, Wilber W., to Dover Corp. Loading dock ramp. 2,881,458, 4-14-59, Cl. 14-71.
- Rodi & Wienenberger Aktiengesellschaft: See—
- Bartholoma, Helwig and W. 2,918,785.
- Rodin, Eugene. Restraining device for live bodies. 2,867,483, 1-6-59, Cl. 311-5.
- Rodin, Fritz J. Potato harvester. 2,902,148, 9-1-59, Cl. 209-34.
- Rodia, Franz, G. Hartlapp, and K. Beltr, to Knapsack-Griesheim Aktiengesellschaft. Process for preparing alkali metal triphosphates, alkali metal pyrophosphates and mixtures thereof. 2,889,189, 6-4-59, Cl. 23-107.
- Rodil, Gilbert, to Wald Industries Inc. Sphere dispensing apparatus. 2,870,739, 1-27-59, Cl. 118-308.
- Rodman, Isaac P., to United States of America, Navy. Optimum multiplier phototube bias for low noise. 2,913,585, 11-17-59, Cl. 250-207.
- Rodman, James B., to Weyerhaeuser Timber Co. Apparatus for cutting flattened containers. Re. 24,668, 7-21-59, Cl. 93-58.4.
- Rodman, Sherwin B., to Brubaker Electronics, Inc. Biased diode switching means. 2,882,425, 4-14-59, Cl. 307-88.5.
- Rodnert, Gustav O.: See—
- Nilsson, Nils E., Bjork, and Rodnert. 2,886,646.
- Nilsson, Nils E., Bjork, Rodnert, and Jonsson. 2,909,607.
- Nilsson, Nils E., Rodnert, and Bjork. 2,871,299.
- Rodnon, David. Packages. 2,885,071, 5-5-59, Cl. 206-41.
- Rodriguez, John J. Motor driven syringe. 2,896,621, 7-28-59, Cl. 128-218.
- Rodriguez, Cipriano, to Micro Metallizing Corp. Vacuum plating apparatus. 2,883,959, 4-28-59, Cl. 116-49.
- Rodriguez, Emil, to Jacoby-Bender, Inc. Bracelet end attachment. 2,896,289, 7-28-59, Cl. 24-235.
- Rodriguez Fuentes, Lorenzo. New food product for cattle and process for its manufacture. 2,888,348, 5-26-59, Cl. 99-6.
- Rodriguez, Jim F.: See—
- Murray, Arthur E. 2,898,649.
- Rodriguez, Juan C. L. Portable electric cooking device. 2,893,307, 7-7-59, Cl. 99-421.
- Rodth, Joseph J., to Sealpak Corp. Beverage apparatus. 2,899,886, 8-18-59, Cl. 99-295.
- Rodweeder Sales, Inc.: See—
- Mowbray, Harry L. 2,892,504.
- Rodwick, Frank P., and N. T. Thome, to The Silux Co. Toaster. 2,907,269, 10-6-59, Cl. 99-391.
- Roe, Charles C., to LeTourneau-Westinghouse Co. Alternator. 2,903,641, 9-8-59, Cl. 322-39.
- Roe, Clarence D.: See—
- Rhodes, William E., and Roe. 2,884,496.
- Roe, Ernest: See—
- Millie, Walter V. 2,907,356.
- Roe, Lawrence A.: See—
- Elsen, John B., Nachtmann, Bjorksten, and Roe. 2,907,626.
- Roe, Rene P. V.: See—
- Petitcolas, Pierre, Richard, Sureau, Roe, and Develotte. 2,893,817.
- Roe, Walter H. G., to Aktieselskabet Kemovet. Sow milk substitute. 2,895,830, 7-21-59, Cl. 99-7.
- Roe, Willis E., to The Aldon Co. Car replacer. 2,901,982, 9-1-59, Cl. 104-270.
- Roebber, Henry W.: See—
- Reiter, William L., Gartner, and Roebber. 2,872,949.
- Roebber, Henry W., to Sylvania Electric Products Inc. Tube transfer mechanism. 2,868,240, 1-13-59, Cl. 141-65.
- Roebber, Henry W., to Sylvania Electric Products Inc. Cathode tab feed and welder. 2,905,802, 9-22-59, Cl. 219-79.
- Roebber, Henry W., to Sylvania Electric Products Inc. Mica press ram with hydraulically operated punch and stripper means. 2,914,981, 12-1-59, Cl. 83-140.
- Roebber, Henry W., to Sylvania Electric Products Inc. Article transfer mechanism. 2,915,200, 12-1-59, Cl. 214-1.
- Roehling's, John A., Sons Corp.: See—
- Homa, Stephen W., and Lovelett. 2,886,193.
- Lewis, Daretrey. 2,868,467.
- Sher, Arnold, and Amstock. 2,899,160.
- Roebuck, Alan K.: See—
- Evering, Bernard L., and Roebuck. 2,918,422.
- Roebuck, Alan K., and B. L. Evering, to Standard Oil Co. Alkylation. 2,897,248, 7-28-59, Cl. 260-683.53.
- Roek, Eugene C.: See—
- Less, Frank W., Roek, and Searer. 2,912,402.
- Less, Frank W., Roek, and Searer. 2,912,406.
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- Christl, Robert J., and Roedel. 2,897,183.
- Roeder, Joseph A., and W. J. Tesche, to Western Electric Co., Inc. Article coating apparatus. 2,902,971, 9-8-59, Cl. 118-11.
- Roeder, Rolf H., to Worthington Corp. Governor. 2,873,105, 2-10-59, Cl. 264-19.
- Roeder, Russell R., Jr., to Huber Industries, Inc. Mounting device with positive clamping and locating jaws providing quick release means. 2,905,427, 9-22-59, Cl. 248-346.
- Roediger, Herman R., and R. B. Curtain rod supporting corner bracket. 2,911,176, 11-3-59, Cl. 248-222.
- Roediger, Joseph C.: See—
- Morris, Kenneth G., Roediger, Newberg, and Sayko. 2,889,296.
- Roediger, Joseph C., and K. G. Morris, to Esso Research and Engineering Co. Method of oxidizing asphalt. 2,906,687, 9-29-59, Cl. 208-5.
- Roediger, Richard R.: See—
- Roediger, Herman R., and R. R. 2,911,176.
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- Kauschka, Richard. 2,870,560.
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- Roehm, Carl L.: See—
- Levy, William B., and Roehm. 2,902,832.
- Roehm, Charles W., to International Harvester Co. Self energizing belt drive clutch assembly. 2,888,829, 6-2-59, Cl. 74-242.1.
- Roehmann, Ludwig F.: See—
- Greenfield, Eugene W., and Roehmann. 2,870,311.
- Roehrig, Jonathan R., to National Research Corp. Discriminating plural counter assembly of fibers. 2,874,899, 2-24-59, Cl. 235-92.
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- Roelen, Otto, to Ruhrchemie Aktiengesellschaft. Composition comprising an oxygen-containing polymer of cyclopentadiene and wax. 2,898,316, 8-4-59, Cl. 260-28.5.
- Roepke, Willi, to Loewe Opta A. G. Device for magnetically recording and reproducing sound. 2,871,019, 1-27-59, Cl. 274-4.
- Roesch, Alfred, Jr., to Burroughs Corp. High speed complementing flip flop. 2,885,574, 5-5-59, Cl. 307-88.5.
- Roesch, Ernst: See—
- Erikson, Merrill K., and Roesch. 2,908,939.
- Roeschmann, Benno K. A. Forceps for removing skin clips. 2,887,110, 5-19-59, Cl. 128-321.
- Roesel, John F. Rotary mower cutter blade structure. 2,896,725, 8-11-59, Cl. 56-295.
- Roeser, Gerald P., to American-Marietta Co., Stoner-Mudge Co. Division. Carboxylic-nitrile-acrylate ester coating composition, process and coated product. 2,873,211, 2-10-59, Cl. 117-103.
- Roeser, Gerald P., to American-Marietta Co., Stoner-Mudge Co. Division. Carboxylic-nitrile-vinyl ether coating composition, process and coated product. 2,873,212, 2-10-59, Cl. 117-103.
- Roeser, Gerald P., to American-Marietta Co., Stoner-Mudge Co. Division. Vinyl chloride-vinyl acetate copolymer dissolved in solvent mixture containing aromatic hydrocarbon and lactone component. 2,913,430, 11-17-59, Cl. 260-30.4.
- Roeser, Gerald P., to American-Marietta Co., Stoner-Mudge Co. Division. Vinyl chloride-vinyl acetate copolymer dissolved in solvent mixture containing aromatic hydrocarbon and pyrrolidone component. 2,918,443, 12-22-59, Cl. 260-30.2.
- Roeser, John O., to Illinois Tool Works. Impulse switch mechanism. 2,904,661, 9-15-59, Cl. 200-160.
- Roesler, Daniel P. Anchor bolt having sleeves with inclined ends. 2,918,840, 12-29-59, Cl. 85-2.4.
- Roesler, Charles E., Jr., to The Howe Scale Co. Load responsive transmitter. 2,895,198, 5-5-59, Cl. 265-61.
- Roesler, Charles E., Jr., to The Howe Scale Co. Printed circuit digital read-out mechanism for weighing scales. 2,898,419, 8-4-59, Cl. 200-85.
- Roethel, John H. Door lock. 2,867,469, 1-6-59, Cl. 292-279.
- Roethel, John H. Door checking and retaining means. 2,882,548, 4-21-59, Cl. 16-86.
- Roethel, John H. Deck lid latch mechanism. 2,903,285, 9-8-59, Cl. 292-229.
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- Roethel, John H. Door lock mechanism. 2,914,353, 11-24-59, Cl. 292-280.
- Roff, William A. Ice fishing device. 2,871,614, 2-3-59, Cl. 43-15.
- Roff, William T., Jr., to J. P. Stevens & Co., Inc. Dyed fibrous glass material and process of dyeing. 2,919,173, 12-29-59, Cl. 8-8.
- Roffman, Eugene D., Cinaglia, A. Wysockanski, and A. Brand, III, to United States of America, Army. Electronic sclerometer. 2,885,075, 5-5-59, Cl. 209-72.
- Rogak, Earl D., to Sinclair Refining Co. Heat exchange process. 2,911,796, 11-10-59, Cl. 62-98.
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- Rogers, Alan B., and T. C. Gordon, Jr., to Armour and Co. Method of preparing a meat product. 2,876,100, 3-3-59, Cl. 99-107.
- Rogers, Alan B., R. W. Kline, and R. L. Niblack, to Armour and Co. Frozen poultry product and preparation. 2,910,370, 10-27-59, Cl. 99-194.
- Rogers, Alvin, to Idea, Inc. Shingle cutter. 2,914,851, 12-1-59, Cl. 30-272.



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- Rogers, Cecil P.: Method and apparatus for dispensing live aquatic animals. 2,908,105, 10-13-59, Cl. 43—55.
- Rogers, C. E. Co.: See—  
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- Rogers, Charles J.: To E. I. du Pont de Nemours and Co. Bleaching. 2,898,179, 8-4-59, Cl. 8—108.
- Rogers, Chester E., Jr.: To United Shoe Machinery Corp. Component inserting machines having improved feed control. 2,869,129, 1-20-59, Cl. 1—2.
- Rogers, Cyril B.: See—  
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- Rogers, Donald G.: To Sprague Electric Co. Tantalum wire capacitors. 2,900,579, 8-18-59, Cl. 317—230.
- Rogers, Douglas C.: To International Standard Electric Corp. Electron discharge apparatus. 2,889,478, 6-2-59, Cl. 313—82.
- Rogers, Douglas C.: To International Standard Electric Corp. Travelling wave tubes. 2,890,370, 6-9-59, Cl. 315—35.
- Rogers, Douglas C.: To International Standard Electric Corp. Travelling wave tubes. 2,918,593, 12-22-59, Cl. 313—84.
- Rogers, Douglas C., and W. J. Pohl: To International Standard Electric Corp. Travelling wave tubes. 2,871,392, 1-27-59, Cl. 315—35.
- Rogers, Douglas C., and P. F. C. Burke: To International Standard Electric Corp. Travelling wave tubes. 2,890,371, 6-9-59, Cl. 315—35.
- Rogers, Dow A., Jr., and D. W. Lewis: To Westinghouse Electric Corp. Epoxy-substituted organosilicon compounds and method for preparing the same. 2,883,395, 4-21-59, Cl. 260—348.
- Rogers, Edward F.: To Merck & Co., Inc. Imidazole composition for treating coccidiosis. 2,872,371, 2-3-59, Cl. 167—53.1.
- Rogers, George S.: To Super Oil Seal Mfg. Co. Ltd. Railway journal box seal. 2,888,279, 5-26-59, Cl. 286—5.
- Rogers, Gerald L.: To Stille-Craft Manufacturers, Inc. Coupler assembly. 2,908,511, 10-13-59, Cl. 284—1.
- Rogers, Glenville: See—  
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- Rogers, Gordon F.: To Radio Corp. of America. Signal processing circuits. 2,876,349, 3-3-59, Cl. 250—27.
- Rogers, Gordon F.: To Radio Corp. of America. Attenuator circuit. 2,881,400, 4-7-59, Cl. 333—81.
- Rogers, Gordon F.: To Radio Corp. of America. Strong signal lock-out prevention. 2,889,400, 6-2-59, Cl. 178—7.3.
- Rogers, Gordon F.: To Radio Corp. of America. Signal operated automatic control circuits. 2,894,062, 7-7-59, Cl. 178—5.4.
- Rogers, Gordon F.: To Radio Corp. of America. Color television receivers. 2,897,262, 7-28-59, Cl. 178—5.4.
- Rogers, Harry J.: Impact crushing machine. 2,898,053, 8-4-59, Cl. 241—275.
- Rogers, Howard G.: To Polaroid Corp. Photographic processes. 2,909,430, 10-20-59, Cl. 94—29.
- Rogers, Ivor C.: To Massey-Ferguson Inc. Spring shank mounting. 2,906,353, 9-29-59, Cl. 172—265.
- Rogers, Jack A., and P. R. Juckness: To The Dow Chemical Co. Lining for titanium-contacting apparatus. 2,874,953, 2-24-59, Cl. 266—43.
- Rogers, Joe Y., Jr.: To Godfrey L. Cabot, Inc. Grit separator. 2,874,839, 2-24-59, Cl. 209—232.
- Rogers, John E.: Tying machine. 2,880,666, 4-7-59, Cl. 100—26.
- Rogers, Lewis M.: To Union Carbide Corp. Corrosion inhibitors. 2,901,438, 8-25-59, Cl. 252—387.
- Rogers, Linwood N., M. A. Heath, E. W. Gutlinph, and L. A. Hiett: To The Buckeye Cellulose Corp. Purified cellulose fiber and process for producing same. 2,878,118, 3-17-59, Cl. 92—16.
- Rogers, Louis E.: Button hole guide. 2,872,738, 2-10-59, Cl. 33—190.
- Rogers, Luna A.: See—  
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- Rogers, Morris R., A. M. Kaplan, and M. E. Pillion: To United States of America, Army. Packaging material. 2,887,262, 5-19-59, Cl. 229—3.1.
- Rogers, Mortimer D., and M. M. Dickinson, Jr.: To International Business Machines Corp. Difference modulator. 2,880,314, 3-31-59, Cl. 250—27.
- Rogers, Murray K.: Production of offset negatives and offset plates without the use of a camera. 2,878,739, 3-24-59, Cl. 95—73.
- Rogers, Richard E.: To J. I. Case Co. Lift cylinder regulator valve. 2,887,990, 5-26-59, Cl. 121—38.
- Rogers, Robert A.: H. V. Johnson, and R. E. Rowell. Cable fault locator. 2,907,949, 10-6-59, Cl. 324—52.
- Rogers, Robert E.: To Harvestaire, Inc. Closed section louver for material separating apparatus. 2,913,110, 11-17-59, Cl. 209—144.
- Rogers, Robert E.: To Harvestaire, Inc. Open section louver for material separating apparatus. 2,913,111, 11-17-59, Cl. 209—144.
- Rogers, Robert E.: To General Electric Co. Piston and connecting rod assembly. 2,913,292, 11-17-59, Cl. 309—19.
- Rogers, Robert L.: See—  
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- Rogers, Roy H.: See—  
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- Redpath, James S., and Rogers. 2,916,753.
- Rogers, Russell E., and L. D'Andrea: Changeable amusement devices and the like. 2,883,195, 4-21-59, Cl. 273—155.
- Rogers, Russell H., Jr., and W. R. Blew, Jr.: To Swift & Co. Manufacture of metal soaps. 2,890,232, 6-9-59, Cl. 260—414.
- Rogers, Samuel C.: To Bell Telephone Laboratories, Inc. Blocking oscillator pulse width control. 2,886,706, 5-12-59, Cl. 250—36.
- Rogers, Samuel C.: To Bell Telephone Laboratories, Inc. Sampling circuit. 2,900,507, 8-18-59, Cl. 250—31.
- Rogers, Stanley, D. C. Kalbfell, and T. M. Dannback: To General Dynamics Corp. Shielded transformer. 2,878,441, 3-17-59, Cl. 323—44.
- Rogers, Stanley, and T. M. Dannback: To General Dynamics Corp. Ideal transformer. 2,891,214, 6-16-59, Cl. 323—44.
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- Rogers, Stuart M.: To Allied Chemical Corp. NaOCl-H<sub>2</sub>O<sub>2</sub> cotton cloth bleaching. 2,903,327, 9-8-59, Cl. 8—108.
- Rogers, Tallaferro & Lamb, Architects: See—  
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- Rogers, Thomas G.: To Southern Wood Preserving Co. Method of and apparatus for trimming and sorting switch ties. 2,876,815, 3-10-59, Cl. 144—309.
- Rogers, Thomas H., and G. F. Bavor: To Machlett Laboratories, Inc. Means and method of controlling high tension electrical circuits. 2,879,404, 3-24-59, Cl. 250—98.
- Rogers, Thomas H., Jr.: See—  
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- Rogers, Thomas H., Jr., and N. R. Bender: To The Goodyear Tire & Rubber Co. Treatment of flexible cellular polyurethane material with ammonia. 2,888,408, 5-26-59, Cl. 260—2.5.
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- Rogers, William H.: To Reece Folding Machine Co. Infolding machines for fabrics containing crease-resisting additive. 2,884,167, 4-28-59, Cl. 223—38.
- Rogers, William J.: To Eastman Kodak Co. Photographic retouching opaque. 2,895,841, 7-21-59, Cl. 106—162.
- Rogers, Willie E.: Fishing pole holder. 2,899,155, 8-11-59, Cl. 248—46.
- Rogerson, John R.: Machine for producing fishing weights. 2,875,484, 3-3-59, Cl. 22—94.
- Rogge, Bernhard: To United States of America, Army. Method of assembling a delay parachute bomb. 2,868,125, 1-13-59, Cl. 102—4.
- Rogge, Bernhard: Blind joint-internal type locking. 2,870,881, 1-27-59, Cl. 189—36.
- Rogge, Glenn A.: 50% to R. Melander, 25% to W. H. Connor, and 25% to W. T. Connor. Barbecue device. 2,891,465, 6-23-59, Cl. 99—345.
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- Rozzlo, Victor: Portable folding table. 2,868,599, 1-13-59, Cl. 311—90.
- Rogier, Clarence F., T. E. Kulo, and J. Singer: To Johnson Fare Box Co. Roll handling machine. 2,918,766, 12-29-59, Cl. 53—74.
- Rohbognner, Alois: To Haendler & Nattermann, o. H. G. Bottle cap mounting apparatus. 2,867,957, 1-13-59, Cl. 53—296.
- Rohdin, Howard A.: Apparatus for heat sealing. 2,908,320, 10-13-59, Cl. 154—42.
- Rohe, Frederick W.: To Shur-Lok Corp. Overheat switch insulator lock nut. Re. 2,475,3, 12-15-59, Cl. 174—138.
- Rohe, Frederick W.: Sandwich panel and flanged insert nut assembly. 2,880,830, 4-7-59, Cl. 189—34.
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- Rohland, William S., and Rohland. 2,910,685.
- Rohland, William S.: To International Business Machines Corp. Character sensing system. 2,877,951, 3-17-59, Cl. 235—61.11.
- Rohland, William S.: To International Business Machines Corp. Drive and control means for matrix. 2,910,686, 10-27-59, Cl. 340—347.
- Rohland, William S.: To International Business Machines Corp. Character reader. 2,919,426, 12-29-59, Cl. 340—149.
- Rohling, Glaeta: Exhaust-pump-provided lid for a vacuum container. 2,890,810, 6-16-59, Cl. 220—24.
- Rohlinger, Merlin J., C. R. Hause, S. F. Winslow, and K. Stavoff: Said Stavoff assor. to said Rohlinger. Demountable and separable pulverizer. 2,886,254, 5-12-59, Cl. 241—74.
- Rohloff, Gunter, and J. Schwister: To Zeiss Ikon A.G. Photographic camera with interchangeable objectives. 2,914,908, 12-1-59, Cl. 95—45.

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- Hankins, Elinor M. 2,881,171.
- Hankins, Elinor M. 2,891,932.
- Hankins, Elinor M., and Melamed. 2,871,223.
- Hankins, Elinor M., and Melamed. 2,871,204.
- Hankins, Robert P. 2,875,166.
- Hurwitz, Melvin D. 2,901,463.
- Hurwitz, Marvin J., and De Benneville. 2,876,234.
- Hwa, Jesse C. H. 2,868,738.
- Hwa, Jesse C. H. 2,874,117.
- Hwa, Jesse C. H. 2,874,131.
- Hwa, Jesse C. H. 2,891,916.
- Hwa, Jesse C. H. 2,895,925.
- Hwa, Jesse C. H. 2,906,716.
- Hwa, Jesse C. H. 2,906,741.
- Jordan, Arthur D., Jr. 2,901,453.
- Jordan, Arthur D., Jr. 2,910,399.
- Kline, Benjamin B., and Nussle. 2,883,304.
- Kline, Benjamin B., and Nussle. 2,886,474.
- Lane, Earl W., and Brown. 2,903,485.
- Levesque, Charles L. 2,877,102.
- Loshack, Sam. 2,884,340.
- Loshack, Sam, and Toy. 2,884,336.
- Lusklin, Leo S. 2,885,428.
- Mansfield, Richard C., Morrison, and Schmide. 2,874,119.
- Matlin, Nathaniel A. 2,902,453.
- Matlin, Nathaniel A., and Lusklin. 2,888,314.
- McKeever, Charles H. 2,912,454.
- McKeever, Charles H., and Freimiller. 2,868,831.
- McKeever, Charles H., and Neme. 2,917,553.
- McLaughlin, Paul J., and Toy. 2,874,066.
- McWherter, Paul W., Kline, and Alps. 2,879,178.
- Melamed, Sidney. 2,871,203.
- Neher, Harry T., Specht, and Kelley. 2,888,480.
- Neme. Joseph W., and McKeever. 2,883,428.
- Niederhauser, Warren D., and Broderick. 2,870,207.
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- Riener, Edward F. 2,874,132.
- Riley, Gerard C. 2,871,266.
- Schneider, Henry J. 2,890,224.
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- Shelley, James P. 2,871,209.
- Shelley, James P. 2,915,486.
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- Sweeney, Edward J. 2,885,374.
- Thurmon, Francis M. 2,883,324.
- Thurmon, Francis M. 2,919,230.
- Wolfrom, Robert E. 2,915,418.
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- Yost, Robert S. 2,880,208.
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- Rohn, Ivan D.: Collapsible antenna tower. 2,875,865, 3-3-59, Cl. 189—15.
- Rohr Aircraft Corp.: See—  
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- Gober, Hubert S. 2,903,038.
- Hutchinson, James R. 2,884,098.
- Nenzell, Joseph F. 2,884,099.
- Palmer, Jack M. 2,903,293.
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- Rohrer, Karl T.: Foot steering apparatus for outboard motor boats. 2,912,877, 11-17-59, Cl. 74—481.
- Rohrer, Kenneth L.: To Westinghouse Electric Corp. Black coating of high thermal emissivity and process for applying the same. 2,891,879, 6-23-59, Cl. 117—201.
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- Rolls, John C.: To Sperry Rand Corp. High power resistive attenuator devices. 2,875,418, 2-24-59, Cl. 333—81.
- Rollinson, William R.: To Monsanto Chemical Co. Production of ammonium thiocyanate. 2,894,815, 7-14-59, Cl. 23—75.
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- Rolland, Calvin C., and L. H. Sutherland: To American Cyanamid Co. Inhibiting polymer precipitation in acetylene purification process. 2,907,802, 10-6-59, Cl. 260—679.
- Rolland, Calvin C., and L. H. Sutherland: To American Cyanamid Co. Precipitation inhibitor. 2,907,803, 10-6-59, Cl. 260—679.
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- Romine, Glenn N., and T. M. Arnold, to Rack Specialists, Inc. Laterally discharging load carrier. 2,911,122, 11-3-59, Cl. 214—730.
- Romine, James W., to Greening Nursery Co. Method of and apparatus for wrapping packages. 2,907,157, 10-6-59, Cl. 53—124.
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- Rongen, Jacobus J., to North American Phillips Co., Inc. Circuit arrangement for converting low voltages into high voltages. 2,904,740, 9-15-59, Cl. 321—2.
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- Orr, Franklin M., and Roquemore. 2,886,419.
- Roquemore, William K., to Esso Research and Engineering Co. Reaction vessel. 2,917,373, 12-15-59, Cl. 23—288.
- Roquemore, William K., and F. M. Orr, to Esso Research and Engineering Co. Catalytic cracking process and separation means within reactor. 2,886,519, 5-12-59, Cl. 208—163.
- Roques, Jacques R., to "Etablissements Roques" (Societe Anonyme). Hydrated bismuth aluminate. 2,901,316, 8-25-59, Cl. 23—52.
- Rorem, Lawrence W.: See—  
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- Rork, John: See—  
Cushman, Bruce, and Rork. 2,877,051.
- Rosa, Anthony G. Telephone pad and pencil holder. 2,881,556, 4-14-59, Cl. 45—5.
- Rosa, Anthony G. Combination rosary plate and wallet. 2,897,606, 8-4-59, Cl. 35—23.
- Rosa, Gilbert N., to Statham Instruments, Inc. Pressure transducer. 2,867,121, 1-6-59, Cl. 78—410.
- Rosa, William P. Coin-operated bottle dispenser apparatus. 2,873,045, 2-10-59, Cl. 221—133.
- Rosahl, Dietrich: See—  
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- Rosahl, Dietrich, W. Graulich, H. Holzrichter, and R. Ecker, to Farbenfabriken Bayer Aktiengesellschaft. Mixtures of synthetic elastomers and resinous aldehyde-condensation products and vulcanized products thereof. 2,916,471, 12-8-59, Cl. 260—43.
- Rosalsky, Ivan S., to Airlite Aluminum Corp. Furniture construction. 2,884,994, 5-5-59, Cl. 155—187.
- Rosamilia, Peter L.: See—  
Harvey, Mortimer T., and Rosamilia. 2,917,488.
- Rosan, Joseph. Top locking insert. 2,886,090, 5-12-59, Cl. 151—41.73.
- Rosander, Axel E. Automatic pressurized coffee-maker. 2,887,038, 5-19-59, Cl. 99—307.
- Rosapepe, Frank P.: See—  
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- Rosato, Nicola P., and S. E. Siemen, to United States of America, Army. Trepanned core cutoff tool. 2,870,836, 1-27-59, Cl. 164—41.
- Rosback, Richard H., to Bendix Aviation Corp. Semi-positive valve actuator. 2,897,789, 8-4-59, Cl. 121—41.
- Rosch, Georg: See—  
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- Rosch, Georg, and K. H. Gehringer, to Farbenfabriken Bayer Akt. Process for the production of azo dyestuffs of the phthalocyanine series. 2,882,267, 4-14-59, Cl. 260—146.
- Rosch, Georg, H. Klappert, W. Wolf, and J. Eibl, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of dyestuffs on the fiber. 2,898,177, 8-4-59, Cl. 8—34.
- Roschen, John, to Philco Corp. Method of treating semi-conductor devices. 2,906,647, 9-29-59, Cl. 117—200.
- Roschke, Erwin M.: See—  
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- Eilers, Carl G., and Roschke. 2,883,449.
- Morris, George V., and Roschke. 2,909,592.
- Roschke, Erwin M., to Zenith Radio Corp. Subscription television system. 2,875,268, 2-24-59, Cl. 178—5.1.
- Roschke, Karl, to VEB Carl Zeiss Jena. Projection domes. 2,894,520, 7-14-59, Cl. 135—4.
- Roscoe, John S., and G. W. Schaeffer, to Olin Mathieson Chemical Corp. Method for the separation of lithium aluminum hydride from aluminum hydride. 2,867,498, 1-6-59, Cl. 23—14.
- Roscoe, Merrill W., and O. P. Lance, to Deere & Co. Control mechanism for farm implement. 2,894,411, 7-14-59, Cl. 74—491.
- Rose, A. J., Mfg. Co.: See—  
Rose, Anton J. 2,905,004.
- Warnkey, Harold J. 2,915,908.
- Rose, Albert: See—  
Smith, Roland W., and Rose. 2,916,810.
- Rose, Albert, to Radio Corp. of America. Photoconductive television pickup tube. 2,881,340, 4-7-59, Cl. 313—65.
- Rose, Anton J., to A. J. Rose Mfg. Co. Pulley. 2,905,004, 9-22-59, Cl. 74—230.8.
- Rose, Alexander D., B. Willach, and B. L. Hall, to Jas. P. Marsh Corp. Instrument case. 2,883,085, 4-21-59, Cl. 220—82.
- Rose, Alfred G.: See—  
Gilbert, Joseph A., Johnson, and Rose. 2,875,069.
- Rose Brothers (Gainsborough Ltd.): See—  
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- Kay, James A. 2,882,937.
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- Tebbutt, Eric. 2,893,187.
- Rose, Clarence W. Child's safety belt. 2,888,063, 5-26-59, Cl. 155—189.
- Rose, Clarence W. Cable connector for safety belts. 2,914,139, 11-24-59, Cl. 158—63.1.
- Rose, Clarence W., R. W. Krach, and F. R. Ross, to Rose Mfg. Co. Ladder climber. 2,888,227, 5-12-59, Cl. 227—25.



- Rose, Clifford A., to The National Cash Register Co. Plug-gable circuit unit. 2,885,603, 5-5-59, Cl. 317-101.
- Rose, Colin G., to Bixby-Zimmer Engineering Co. Screen. 2,911,097, 11-3-59, Cl. 209-393.
- Rose, Donald A. Pipe bender gauge. 2,907,116, 10-6-59, Cl. 33-207.
- Rose, Dudley B. Underwater breathing apparatus. 2,894,506, 7-14-59, Cl. 128-142.
- Rose, Edgar, to Kiekhaefer Corp. Vibrator absorber. 2,883,130, 4-21-59, Cl. 248-22.
- Rose, Edgar, to Kiekhaefer Corp. Resilient outboard motor mounting. 2,890,674, 6-16-59, Cl. 115-18.
- Rose, George M., Jr., and W. J. Helwig, to Radio Corp. of America. Anode mount for electron tubes. 2,918,598, 12-22-59, Cl. 313-284.
- Rose, Harold J.: See—
- Young, David W., and Rose. 2,901,502.
- Rose, Harry E., to Radio Corp. of America. Color-correction systems. 2,872,508, 2-3-59, Cl. 178-52.
- Rose, Ira M.: See—
- Shapiro, Seymour L., Freedman, and Rose. 2,899,437.
- Shapiro, Seymour L., Freedman, and Rose. 2,909,467.
- Rose, Jay. Device for holding hypodermic needles. 2,902,169, 9-1-59, Cl. 211-60.
- Rose, Jean-Paul: See—
- Blanchi, Guiseppina, and Rose. 2,868,561.
- Rose, John F.: See—
- Mullin, Clayton D., and Rose. 2,904,639.
- Rose, John F., to Malco Electronics, Inc. Temple-mounted hearing aid control. 2,916,538, 12-8-59, Cl. 136-173.
- Rose, Leslie W. Bolt attachment devices. 2,870,563, 1-27-59, Cl. 43-41.
- Rose, Lloyd R., to General Electric Co. X-ray diffraction apparatus. 2,898,469, 8-4-59, Cl. 250-53.
- Rose Mfg. Co.: See—
- Rose, Clarence W., Krach, and Ross. 2,886,227.
- Rose, Richard A.: See—
- Berry, William, Rose, Phillips, and Oswin. 2,910,355.
- Rose, Stanley E.: See—
- Farnon, Robert B., and Rose. 2,869,185.
- Rose, Stanley E., to General Electric Co. Mounting arrangement for propeller type fan. 2,869,651, 1-20-59, Cl. 170-173.
- Rose, Stanley E., to General Electric Co. Condensate disposal arrangement for air conditioner. 2,883,837, 4-28-59, Cl. 62-280.
- Rose, Stanley E., to General Electric Co. Condensate disposal arrangement for air conditioner. 2,896,424, 7-28-59, Cl. 62-280.
- Rose, Theophylus F. Baby pen. 2,866,983, 1-6-59, Cl. 5-99.
- Rose, Theophylus F. Christmas tree holder. 2,867,398, 1-6-59, Cl. 248-44.
- Rose, Thomas H., to Hughes Aircraft Co. Process for obtaining measurements of inaccessible interior dimensions in castings. 2,886,852, 5-19-59, Cl. 18-47.5.
- Rose, William G., and H. P. Lundgren, to United States of America, Agriculture. Process for reacting protein fibers with dicarboxylic acid dihalides and products produced thereby. 2,881,046, 4-7-59, Cl. 8-127.6.
- Rose, William O. Fish rod holder. 2,888,220, 5-26-59, Cl. 248-42.
- Rose, William R., Jr.: See—
- Rose, William R., Sr. 2,879,976.
- Rose, William R., Sr., 10% to W. R. Rose, Jr., and 10% to C. Anderson. Heat saver. 2,879,976, 3-31-59, Cl. 257-166.
- Rosebrook, Mrs. Lois W.: See—
- Ames, Robert G. 2,889,857.
- Rosebrook, Harry H. Track approach bridge. 2,873,918, 2-17-59, Cl. 238-174.
- Rosebrook, Homer E., E. K. Harley, and B. A. Swartzloff, to Hupp Corp. Refrigerator. 2,867,096, 1-6-59, Cl. 62-288.
- Rosebrook, Roy, to True-Trace Corp. Servo control for rack mechanism. 2,897,788, 8-4-59, Cl. 121-41.
- Rosebrook, Roy, to True-Trace Corp. Automatic tracer control. 2,909,357, 10-20-59, Cl. 251-3.
- Rosebrook, Roy, to True-Trace Corp. Numerically controlled machine tool. 2,910,967, 11-3-59, Cl. 121-41.
- Roseman, Morton F.: See—
- Corwin, Jerome, Roseman, Santilli, and Stein. 2,907,997.
- Roseman, Oscar E., to H. H. Robertson Co. Wall panel. 2,910,150, 10-27-59, Cl. 189-34.
- Rosemark, John F. Holder for toilet articles. 2,883,062, 4-21-59, Cl. 211-60.
- Rosen, Benjamin: See—
- Brown, Ruth Z., and Rosen. 2,872,464.
- Rosen, Charles A.: See—
- Spitzer, Charles F., and Rosen. 2,911,484.
- Rosen, Charles, II: See—
- Peter, Conrad W. 2,880,761.
- Rosen, Charles, to Tele-Dynamics Inc. Carrier operated relay circuit. 2,914,711, 11-24-59, Cl. 317-149.
- Rosen, Charles, and C. J. Weidknecht, to Tele-Dynamics Inc. Crystal controlled oscillator. 2,906,969, 9-29-59, Cl. 332-26.
- Rosen, Fred D.: See—
- Buyers, Archie G., Motta, and Rosen. 2,918,366.
- Rosen, Harry. Carton handling and sealing machine. 2,890,559, 6-16-59, Cl. 33-383.
- Rosen, Herbert: See—
- Richards, William V., and Rosen. 2,871,673.
- Rosen, Irving, to Diamond Alkali Co. 2-(2',4'-dichlorophe-noxy)-3-chlorodioxane. 2,899,445, 8-11-59, Cl. 260-340.6.
- Rosen, Jacob. Self-contained lifting means for curtains. 2,910,120, 10-27-59, Cl. 160-84.
- Rosen, Leonard J.: See—
- Conciatori, Anthony B., Fortess, and Rosen. 2,892,672.
- Rosen, Leonard J., to Celanese Corp. of America. Polymeric methyl isopropenyl ketone. 2,895,942, 7-21-59, Cl. 260-45.85.
- Rosen, Leonard J., and F. Fortess, to Celanese Corp. of America. Gas fading resistant textiles. 2,880,051, 3-31-59, Cl. 8-61.
- Rosen, Louis. Trousers' leg measuring device. 2,872,734, 2-10-59, Cl. 33-8.
- Rosen, Mac, and H. A. Meyers. Fastening means for mounting replaceable ornaments on spectacles. 2,868,073, 1-13-59, Cl. 88-41.
- Rosen, Norman J.: See—
- Smith, Nathan R., and Rosen. 2,914,600.
- Rosen, Raphael, to United States of America, Atomic Energy Commission. Process for making uranium hexafluoride. 2,894,811, 7-14-59, Cl. 23-14.5.
- Rosen, Samuel A., to Hughes Aircraft Co. Self recycling pulse stretcher. 2,899,554, 8-11-59, Cl. 250-27.
- Rosen, Sidney. Precision pump. 2,907,614, 10-6-59, Cl. 309-4.
- Rosen, William E., to Ciba Pharmaceutical Products, Inc. Preparation of bis-quaternary ammonium compounds. 2,873,281, 2-10-59, Cl. 260-319.
- Rosenbaum, Harry S. Apparatus for assembling Venetian blinds. 2,874,447, 2-24-59, Cl. 29-24.5.
- Rosenbaum, Harry S., to The Eastern Venetian Blind Co. Traverse rod. 2,890,799, 6-16-59, Cl. 211-105.2.
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- Rosenberg, Barnett: See—
- Kallmann, Hartmut P., and Rosenberg. 2,892,968.
- Rosenberg, Barnett, to Westinghouse Electric Corp. Electro-luminescent device. 2,916,630, 12-8-59, Cl. 250-213.
- Rosenberg, Charles B., to Q-Tec Inc. Hopper for delivering round articles. 2,891,646, 6-23-59, Cl. 193-39.
- Rosenberg, David, and L. Miranda, to The Holiday Line, Inc. Inflatable cushion. Re. 24,618, 3-10-59, Cl. 9-17.
- Rosenberg, David L., to Boston Royal Petticoat Co. Maternity panty. 2,905,947, 9-29-59, Cl. 2-224.
- Rosenberg, David S., to Hooker Chemical Corp. Photochemical chlorination process. 2,899,370, 8-11-59, Cl. 204-163.
- Rosenberg, Ernst T., to Aktiebolaget Leo. Diphospholimidazoles. 2,917,517, 12-15-59, Cl. 260-309.
- Rosenberg, Hans R.: See—
- Baldini, James T., and Rosenberg. 2,879,162.
- Rosenberg, Harry. High speed pivoted cutting machine. 2,870,837, 1-27-59, Cl. 164-43.
- Rosenberg, Heinz, and H. Deschmann, to Österreichische Textilmaschinenfabrik G. Joseph's Erben. Electromagnetic drive for bodies to be moved in pre-given paths, especially shuttles of circular looms. 2,870,349, 1-20-59, Cl. 310-13.
- Rosenberg, Jack, to General Dynamics Corp. Control system. 2,896,514, 7-28-59, Cl. 90-28.1.
- Rosenberg, Joseph, to General Electric Co. Carboxyl rich alkyl resin-ethoxylate resin compositions and process for their preparation. 2,909,495, 10-20-59, Cl. 260-22.
- Rosenberg, Leon T., to Allis-Chalmers Mfg. Co. Segmental air gap baffle. 2,895,065, 7-14-59, Cl. 310-64.
- Rosenberg, Leon T., to Allis-Chalmers Mfg. Co. Supercharged finger plates. 2,902,611, 9-1-59, Cl. 310-64.
- Rosenberg, Max, to Garland Products, Inc. Speedometer switch. 2,880,288, 3-31-59, Cl. 200-92.
- Rosenberg, Milton: See—
- Stuart-Williams, Raymond, and Rosenberg. 2,900,624.
- Rosenberg, Milton, to Telemeter Magnetics, Inc. Magnetic core memory system. 2,897,482, 7-28-59, Cl. 340-174.
- Rosenberg, Milton, to Telemeter Magnetics, Inc. Magnetic core memory system. 2,900,623, 8-18-59, Cl. 340-174.
- Rosenberg, Milton, W. M. Modlinski, M. A. Alexander, and G. F. Minka, to Telemeter Magnetics, Inc. Magnetic-switch cross-coupling minimization system. 2,908,893, 10-13-59, Cl. 340-174.
- Rosenberg, Norman, and E. R. L. Gaughran, to Johnson & Johnson. Heterograft material. 2,900,644, 8-25-59, Cl. 3-1.
- Rosenberg, Norman W., and W. E. Katz, to Ionics, Inc. Production of alkali metal hydroxides by ion exchange. 2,884,310, 4-28-59, Cl. 23-184.
- Rosenberg, Phillip, to Ford Motor Co. Vehicle seat safety brace. 2,913,278, 11-17-59, Cl. 296-66.
- Rosenberg, Samuel: See—
- Lipschutz, Frank K., and Rosenberg. 2,877,466.
- Rosenberg, Sanders D.: See—
- Ramsden, Hugh E., and Rosenberg. 2,867,642.
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- Rosenberg, Sheldon, and D. Bandel, to American Machine & Foundry Co. Smoking product and method of manufacture. 2,887,414, 5-19-59, Cl. 131-17.
- Rosenberg, Thomas. Flush valve for toilet tanks. 2,897,513, 8-4-59, Cl. 4-57.

- Rosenberger, Albert J., to Republic Flow Meters Co. Linkage mechanism for indicating instrument. 2,872,816, 2-10-59, Cl. 73-406.
- Rosenberger, Georg, and H. Neumann, to Siemens & Halske Aktiengesellschaft. Magnetic heads. 2,919,312, 12-29-59, Cl. 179-100.2.
- Rosenberger, Harold E.: See—
- Alden, Alex E., and Rosenberger. 2,909,097.
- Rosenberger, Helen M.: See—
- Marron, Thomas U., White, and Rosenberger. 2,875,046.
- Rosenblad, Curt F. Method of charging cellulose digesters. 2,882,148, 4-14-59, Cl. 92-7.
- Rosenblad, Curt F., to Aktiebolaget Rosenblads Patent. Heating system for cellulose digestion plants. 2,886,483, 5-12-59, Cl. 162-42.
- Rosenblatt, Donald N.: See—
- Carter, John N., and Rosenblatt. 2,875,109.
- Rosenblatt, Murray: See—
- Myracle, James L., and Rosenblatt. 2,885,613.
- Pearlee, Lawrence R., and Rosenblatt. 2,894,253.
- Rosenblatt, Murray, and A. S. Rubenstein, to General Electric Co. Regulating system for dynamoelectric machines. 2,899,630, 8-11-59, Cl. 322-25.
- Rosenblum, Louis, to Polaroid Corp. Photographic bounce flash bracket. 2,892,927, 6-30-59, Cl. 240-1.3.
- Rosenblum, William H., and M. Mirkin. Mechanical puzzle, which, when properly assembled establishes radio receiver. 2,918,287, 12-22-59, Cl. 273-156.
- Rosenfeld, Azriel, K. W. Gross, and D. C. Gala, to Sperry Rand Corp., Ford Instrument Co., Division. Automatic stereoplotter. 2,910,910, 11-3-59, Cl. 88-14.
- Rosenfeld, Jack L., to Bell Telephone Laboratories, Inc. Magnetic core switching circuit. 2,906,887, 9-29-59, Cl. 307-88.
- Rosenfeld, Joseph. Accordion-type doors and the like. 2,894,573, 7-14-59, Cl. 160-84.
- Rosenfeld, Sam, to United States of America, Atomic Energy Commission. Process for the purification of uranium. 2,869,981, 1-20-59, Cl. 23-14.5.
- Rosenheim, Donald E., to International Business Machines Corp. Marker pulse circuit. 2,911,623, 11-3-59, Cl. 340-174.
- Rosenheim, Julius, to Heller, Gustav & Wilhelm. Process of making liquid-filled crustless confectionery. 2,876,103, 3-3-59, Cl. 99-134.
- Rosenkaimer G.m.b.H.: See—
- Kampf, Friedrich. 2,889,841.
- Rosenkranz, George: See—
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- Djerassi, Carl, Stork, Rosenkranz, and Sondheimer. 2,885,397.
- Kincl, Fred A., Ringold, and Rosenkranz. 2,906,758.
- Mancera, Octavio, Rosenkranz, and Sondheimer. 2,890,227.
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- Stork, Gilbert, Ringold, Sondheimer, and Rosenkranz. 2,874,154.
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- Rosenkranz, George, and F. Sondheimer, Syntex S. A. Method of preparing 17-ethyl-epi-testosterone. 2,910,485, 10-27-59, Cl. 260-397.4.
- Rosenman, Abraham W., and R. F. Greiser. Container and receptacle for tissues. 2,915,218, 12-1-59, Cl. 221-102.
- Rosenow, Monroe H., and E. E. Kohls, to ABC Industries, Inc. Golf club head cover. 2,908,307, 10-13-59, Cl. 150-52.
- Rosengvist, Sven O., to Svenska Jästfabriks Aktiebolaget. Method for the production of baker's yeast. 2,868,649, 1-13-59, Cl. 99-96.
- Rosengvist, Terkel. Process for the production of sulphur, metal oxides and metal sulphates. 2,869,999, 1-20-59, Cl. 75-6.
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- Rosenstein, Mitchell M. Stop motion for looms. 2,874,728, 2-24-59, Cl. 139-371.
- Rosensweig, Mack, to Ameray Corp. Building constructions. 2,895,324, 7-21-59, Cl. 72-38.
- Rosenthal, Allan: See—
- Greenberg, Robert. 2,906,242.
- Rosenthal, Arnold J., to Celanese Corp. of America. Inhibition of corrosion. 2,892,725, 6-30-59, Cl. 106-14.
- Rosenthal, Daniel. Mixing device. 2,887,272, 5-19-59, Cl. 239-310.
- Rosenthal, Daniel W., and G. E. Horswood, to Klander Weldon Giles Machine Co. Chemical reactor. 2,904,407, 9-15-59, Cl. 23-252.
- Rosenthal, Fritz, to Smith, Kilne & French Laboratories. Sustained release pharmaceutical product. 2,895,880, 7-21-59, Cl. 167-82.
- Rosenthal, Gary: See—
- Gruber, Morris, and Rosenthal. 2,899,661.
- Rosenthal, Harold: See—
- Kramer, Franklin, and Rosenthal. 2,886,440.
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- Rosenthal, Harry. Ironing device. 2,872,748, 2-10-59, Cl. 38-99.
- Rosenthal, Hyman: See—
- Linson, Samuel, Rosenthal, and Sala. 2,889,703.
- Rosenthal, Joseph F.: See—
- Vyverberg, Robert G., and Rosenthal. 2,919,119.
- Rosenthal, Joseph F., to Haloid Xerox Inc. Aerosol bomb development. 2,914,221, 11-24-59, Cl. 222-146.
- Rosenthal, Louis: See—
- Mazzucchelli, Arthur P., Bugel, and Rosenthal. 2,909,752.
- Rosenthal, Murray W., to Pyco Inc. Dental massage device. 2,888,008, 5-26-59, Cl. 128-62.
- Rosenthal, Joseph S., to Cisco, Inc. Wearing apparel. 2,870,448, 1-27-59, Cl. 2-91.
- Rosenthal, Matthew A. Disposable bassinets and parts thereof. 2,870,461, 1-27-59, Cl. 5-93.
- Rosenthal, Sidney N. Stenciling devices. 2,873,464, 2-17-59, Cl. 15-209.
- Rosenthal, William, to Maiden Form Brassiere Co., Inc. Brassiere. 2,892,459, 6-30-59, Cl. 128-464.
- Rosenthal, William C.: See—
- Hubert, Clarence A., Rosenthal, and Barrett. 2,881,627.
- Rosenwald, Robert H.: See—
- Chenick, Joseph A., and Rosenwald. 2,918,361.
- Rosenwald, Robert H., to Universal Oil Products Co. 2,6-di-tertialkyl-4-alkoxyphenols. 2,908,718, 10-13-59, Cl. 260-613.
- Rosenwald, Robert H., and J. A. Chenick, to Universal Oil Products Co. Antioxidation of rubber. 2,867,604, 1-6-59, Cl. 260-45.9.
- Rosenwald, Robert H., and J. A. Chenick, to Universal Oil Products Co. Preventing the cracking of rubber by means of certain N,N',N'',N'''-tetra-alkyl-p-phenylene diamines. 2,883,362, 4-21-59, Cl. 260-45.9.
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- Rosher, Ronald, to Hercules Powder Co. Fungicides. 2,901,394, 8-25-59, Cl. 167-30.
- Rosholt, Raymond R. Combination capped comb and applicator tube. 2,887,117, 5-19-59, Cl. 132-107.
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- Rosin, Jacob, and J. Haus, to Montrose Chemical Co. Esters of hydroxy phosphonic acids and alkene phosphates. 2,899,456, 8-11-59, Cl. 260-461.
- Rosin, Seymour: See—
- Ehrenhaft, Franz F., Rosin, and Cawein. 2,884,483.
- Kaiser, Gunter, and H. 2,904,827.
- Rosing, Theodore F.: See—
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- Kuhn, Clarence W., and Rosing. 2,908,784.
- Rosing, Theodore F., A. F. Kolb, and C. W. Kuhn, to Cutler-Hammer, Inc. Thermal devices. 2,875,297, 2-24-59, Cl. 200-124.



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- Roske, Milton H.: See—  
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- Roskelley, Jack A. Nail packaging apparatus. 2,875,565, 3-3-59, Cl. 53-235.
- Rosmarin, Philip F., and M. Pantzer, to A P O D Corp. Keratinaceous fiber dye of hydroquinone and either dehydroxyphenylalanine or dihydroxyphenylglycine and method of its use. 2,875,769, 3-3-59, Cl. 132-7.
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- Rosner, Saul, and F. Heller, to Burndy Corp. Solid head tubular connector and method of making same. 2,901,003, 8-25-59, Cl. 138-89.
- Ross, Alexander: See—  
Corrado, Ernest M., Ross, and Spanbauer. 2,904,051.
- Ross, Allan: See—  
Jaffe, David L., and Ross. 2,911,564.
- Ross, Arthur, to General Motors Corp. Utility tray. 2,883,235, 4-21-59, Cl. 296-37.
- Ross, Austin, to Time, Inc. Method of connecting two cascaded modulators to provide a variable percentage of modulations. 2,877,424, 3-10-59, Cl. 332-38.
- Ross, Bernd, to Hoffman Electronics Corp. Rectifier and method of making same. 2,919,386, 12-29-59, Cl. 317-234.
- Ross, Bernd, to Hoffman Electronics Corp. Semiconductor devices. 2,919,388, 12-29-59, Cl. 317-235.
- Ross, Billy L.: See—  
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- Ross, Bruce M.: See—  
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- Ross, Budd H. Means for mounting an appliance in a counter opening. 2,890,402, 6-16-59, Cl. 4-187.
- Rosa, Charles R. Block making apparatus. 2,875,499, 3-3-59, Cl. 25-41.
- Ross, Charles, & Son Co.: See—  
Teleky, Joseph G. 2,872,122.
- Ross, Dan C., to International Business Machines Corp. Magnetic system. 2,884,621, 4-28-59, Cl. 340-174.
- Ross, David. Combined stroller and carrying case. 2,903,270, 9-8-59, Cl. 260-37.
- Ross, Donald K., to White-Rodgers Co. Carrier frequency D.C. amplifier. 2,888,523, 5-26-59, Cl. 179-171.
- Ross, Edward J., to Ferro Corp. Annularly bulged electric heating unit and method of annularly bulging same. 2,899,603, 8-11-59, Cl. 338-238.
- Ross, Elmer H. Fishing pole holder. 2,887,287, 5-19-59, Cl. 248-42.
- Ross, Elmer R., to Kelsey-Hayes Co. Mechanism for applying trailer brakes. 2,887,183, 5-19-59, Cl. 188-3.
- Ross Engineering Of Canada Ltd.: See—  
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- Taylor, John H. 2,891,784.
- Ross, Frank R.: See—  
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- Ross Gear and Tool Co., Inc.: See—  
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- Ross, Haldon. Method and apparatus for casting and handling ferro-manganese. 2,917,798, 12-22-59, Cl. 22-200.
- Ross, Harold D., R. L. Saraban, M. M. Astrahan, B. Housman, and W. H. Thomas, to International Business Machines Corp. Program control for data processing machine. 2,914,248, 11-24-59, Cl. 235-157.
- Ross, Harry B.: See—  
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- Ross, Howard G., and F. W. Schuler, to Corning Glass Works. Method of producing a photograph in glass. 2,904,432, 9-15-59, Cl. 96-34.
- Ross, Hugh N., to American Instrument Co., Inc. Relative humidity measuring apparatus. 2,913,902, 11-24-59, Cl. 73-336.5.
- Ross, Ian M., to Bell Telephone Laboratories, Inc. Semi-conductive pulse translator. 2,877,358, 3-10-59, Cl. 307-88.5.
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- Ross, Jack H. Signal equipment for motor vehicles. 2,911,635, 11-3-59, Cl. 340-263.
- Ross, James A., to Ling Electronics, Inc. Electrical equalizers in amplifier circuits. 2,907,838, 10-6-59, Cl. 179-171.
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- Ross, James S.: See—  
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- Ross, John, to Combustion Research, Inc. Means and methods for extracting from tobacco smoke deleterious ingredients. 2,872,928, 2-10-59, Cl. 131-208.
- Ross, John, to Combustion Research, Inc. Tobacco smoking holder. 2,910,987, 11-3-59, Cl. 131-187.
- Ross, John F., and H. W. Sloyer, to General Electric Co. Halophosphate phosphor preparation. 2,904,516, 9-15-59, Cl. 252-301.4.
- Ross, John G.: See—  
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- Ross, John G., 40% to W. Nadeau, and 20% to J. P. Wuerthner. Measuring dispensing container. 2,878,975, 3-24-59, Cl. 222-359.
- Ross, John L. F., to The Ajax Mfg. Co. Shaft end roll mounting. 2,899,222, 8-11-59, Cl. 287-53.
- Ross, Joseph E. H. Bow tie rack. 2,905,331, 9-22-59, Cl. 211-49.
- Ross, Joseph F. Tube cleaner. 2,891,269, 6-23-59, Cl. 15-104.18.
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- Ross, Karl F.: See—  
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- Ross, Karl F. Electronic lens system. 2,892,962, 6-30-59, Cl. 315-31.
- Ross, Karl G., B.-O. Johansson, S. S. Axelsson, and S. A. Andersson, to Aktiebolaget Bahco. Transportable stoves or ranges. 2,896,606, 7-28-59, Cl. 126-38.
- Ross, Kearney. Clothes rod end supports. 2,905,426, 9-22-59, Cl. 248-264.
- Ross, Kenneth A. Geometric instrument. 2,882,603, 4-21-59, Cl. 33-64.
- Ross, Laurids E.: See—  
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- Ross, Lofton B. Combination reversible rake and garden implement. 2,908,131, 10-13-59, Cl. 56-400.04.
- Ross, Loren A. Socket wrench turning device. 2,911,867, 11-10-59, Cl. 81-58.4.
- Ross, Maurice T.: See—  
Darland, William G., Jr., and Ross. 2,914,595.
- Ross, Melvin E.: See—  
Kochler, Albert T., Palmleaf, and Ross. 2,881,915.
- Ross, Milton E., to Aerol Co., Inc. Sealed wheel. 2,914,364, 11-24-59, Cl. 308-187.1.
- Ross, Nevel E. Adjustment control for ink fountain for offset and type presses. 2,902,927, 9-8-59, Cl. 101-365.
- Ross Operating Valve Co.: See—  
Di Tirro, Domenic A., and Cameron. 2,906,246.
- Ross, Philip C., to Sperry Rand Corp. Universally movable radar antenna apparatus. 2,893,002, 6-30-59, Cl. 343-765.
- Ross, Richard R.: See—  
Hickley, Thomas J., Burmister, and Ross. 2,911,642.
- Ross, Richard W. Hot air furnace. 2,873,736, 2-17-59, Cl. 126-116.
- Ross, Robert E. Tube shield. 2,872,502, 2-3-59, Cl. 174-35.
- Ross, Robert H.: See—  
Ross, Ruben B., and R. H. 2,896,770.
- Ross, Robert T., to Radio Corp. of America. Heat radiator. 2,879,044, 3-24-59, Cl. 257-263.
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- Ross, Samuel J. Safety-type tester board. 2,903,263, 9-8-59, Cl. 272-54.
- Ross, Sidney D., to Sprague Electric Co. Capacitors. 2,892,972, 6-30-59, Cl. 317-258.
- Ross, Sidney D., to Sprague Electric Co. Electrostatic capacitor. 2,897,423, 7-28-59, Cl. 317-258.
- Ross, Sidney D., to Sprague Electric Co. Dielectric compositions. 2,902,451, 9-1-59, Cl. 252-66.
- Ross, Sidney D., to Sprague Electric Co. Dielectric compositions. 2,916,680, 12-8-59, Cl. 317-258.
- Ross, Tim. Multiple degree gage. 2,887,775, 5-26-59, Cl. 33-98.
- Ross, Wilford H., Jr., to Detrex Chemical Industries, Inc. Aluminum coated with aluminum benzoate, and method and composition for making same. 2,901,821, 9-1-59, Cl. 29-495.
- Ross, Will, Inc.: See—  
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- Pokras, Adolph. 2,911,743.
- Polzin, Winfred J. 2,871,592.
- Ross, William C.: See—  
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- Ross, William E., to Rayflex, Inc. Elastic yarns. 2,902,819, 9-8-59, Cl. 57-152.
- Ross, William H., to J. W. Manuel. Material handling apparatus. 2,903,302, 9-8-59, Cl. 302-49.
- Rossander, Bror L. E., to Sandvikens Jerwerks Aktiebolag. Corrosion resistant treatment for hollow drill rods. 2,875,110, 2-24-59, Cl. 148-615.
- Rosselet, Jean. Safety arming mechanism for fuses. 2,895,419, 7-21-59, Cl. 102-71.
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- Rosset, Pierre, to La Spirotechnique. Diver's breathing apparatus. 2,872,919, 2-10-59, Cl. 128-142.
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- Rossett, Benjamin. Adjustable headwear. 2,867,816, 1-13-59, Cl. 2-197.

- Rossetti, Frederick S. and J. B. Bathtub. 2,899,687, 8-18-59, Cl. 4-149.
- Rossetti, John B.: See—  
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- Rossetto, Louis, to Mergenthaler Linotype Co. Assembling elevator control device for a typographical composing machine. 2,874,825, 2-24-59, Cl. 199-18.
- Rossetto, Louis, and V. M. Corrado, to Mergenthaler Linotype Co. Typographical composing machine. 2,869,717, 1-20-59, Cl. 199-18.
- Rosshelm, David B., to The M. W. Kellogg Co. Method for fabricating vessels. 2,901,592, 8-25-59, Cl. 219-137.
- Rossi, Anthony J. Method of making a cheese flavored salad dressing. 2,882,168, 4-14-59, Cl. 99-144.
- Rossi, August. Apparatus for manufacturing ceramic tiles. 2,918,715, 12-29-59, Cl. 25-122.
- Rossi, Bruno, and K. I. Greisen, to United States of America, Navy. Range tracking circuit. 2,903,691, 9-8-59, Cl. 343-73.
- Rossi, Dominic J.: See—  
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- Rossi, Giovanni. Material conveying device. 2,906,417, 9-29-59, Cl. 214-17.
- Rossi, Harry J., to Continental Can Co., Inc. Display support. 2,889,127, 6-2-59, Cl. 248-174.
- Rossi, Irving: See—  
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- Rossi, Joseph A.: See—  
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- Rossi, Paul. Floatable soap container and scrubber. 2,886,916, 5-19-59, Cl. 45-28.
- Rossi, Rinaldo. Warm and cold water mixing valve for baths, sinks and the like. 2,870,787, 1-27-59, Cl. 137-597.
- Rossi, William J.: See—  
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- Scott, John W., Jr., Lavender, and Rossi. 2,870,230.
- Rossin, Peter C., Jr., and S. J. Noesen, to General Electric Co. Consumable electrode arc melting furnace. 2,907,806, 10-6-59, Cl. 13-9.
- Rossler, George: See—  
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- Rossman, Edwin F., to General Motors Corp. Control mechanism. 2,879,795, 3-31-59, Cl. 137-596.
- Rossmanith, Wolfgang: See—  
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- Rosso, Charles. Electric fuse. 2,900,475, 8-18-59, Cl. 200-131.
- Rossum, Robert T. Package for sliced bacon and the like. 2,878,985, 3-24-59, Cl. 229-40.
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- Rostan, Robert A., to Russell & Stoll Co., Inc. Floor mounted electrical conduit. 2,816,540, 12-8-59, Cl. 174-48.
- Rostau, Morris, to Atlantic Plastics Co., Inc. Storage unit. 2,907,618, 10-6-59, Cl. 312-270.
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- Rosti, Arpad, and J. Brunot, to Production and Marketing Co. Board game. 2,896,950, 7-28-59, Cl. 273-131.
- Rostone Corp.: See—  
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- Rostron, Frank, to Newman, Hender and Co., Ltd. Egg handling plants. 2,895,589, 7-21-59, Cl. 198-33.
- Rota, Beniamino. Automatic machine for preparing coffee drink. 2,910,928, 11-3-59, Cl. 99-289.
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- Robinson, Eric E. 2,873,420.
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- Rote, William A., to Minneapolis-Honeywell Regulator Co. D.C. amplifier system. 2,882,352, 4-14-59, Cl. 179-171.
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- Roth, Artur, to Lanston Monotype Machine Co. Vacuum communicating device for rotary negative holder. 2,907,258, 10-6-59, Cl. 95-76.
- Roth, Barbara: See—  
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- Roth, Curtis W. Retractable trailer hitch. 2,914,843, 11-24-59, Cl. 280-491.
- Roth, David R., and B. T. Smith; said Smith assor. to said Roth. Bed construction. 2,877,470, 3-17-59, Cl. 5-131.
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- Roth, Donald W., K. L. Thomas, and C. R. McKinsey, to Union Carbide Corp. Multi-gas sigma welding. 2,919,341, 12-29-59, Cl. 219-74.
- Roth, Dwight A. Conveyor. 2,876,901, 3-10-59, Cl. 209-121.
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- Roth, Harold, and S. Solow, to Allen B. Du Mont Laboratories, Inc. Sweep generator. 2,906,962, 9-29-59, Cl. 331-143.
- Roth, Herman P., and C. F. Lombard, to United Tanks, Inc. Retaining means for helmets and face masks. 2,867,812, 1-13-59, Cl. 2-6.
- Roth, Kurt. Process and device for measuring fatty materials and the like. 2,908,159, 10-13-59, Cl. 73-53.
- Roth, Leo C., to Roy E. Roth Co. Combination centrifugal turbine pump. 2,875,698, 3-3-59, Cl. 103-108.
- Roth, Mathias: See—  
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- Roth, Milton. Folding step ladder. 2,899,009, 8-11-59, Cl. 182-104.
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- Roth, Murray H., to Monsanto Chemical Co. Physical treatment of particulate foamable styrene polymer compositions. 2,910,446, 10-27-59, Cl. 260-2.5.
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- Roth, Philip B.: See—  
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- Roth, Robert I., to International Business Machines Corp. Printer positioning mechanism. 2,867,168, 1-6-59, Cl. 101-93.
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- Roth, Robert I., to International Business Machines Corp. Accounting machine controlled by differently coded cards. 2,896,844, 7-28-59, Cl. 235-61.9.
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- Roth, Seymour H., to United States of America, Army. Phase lock system. 2,914,732, 11-24-59, Cl. 331-18.
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- Rothe, Paul G., to Telefunken G.m.b.H. Frequency response curve equalization. 2,895,111, 7-14-59, Cl. 333-28.
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- Rothfuchs, Oscar E., and A. H. Hartwig, to Pullman Inc. Journal bearing press. 2,906,012, 9-29-59, Cl. 29-252.
- Rothfuchs, Oscar E., and F. M. Hess, to Pullman Inc. Car roof seam structure. 2,910,018, 10-27-59, Cl. 108-5.4.
- Rothman, Edward S., and M. E. Wall, to United States of America, Agriculture. Process for conversion of 3 $\beta$ ,17 $\alpha$ -dihydroxy-5-pregnene-11,20-dione to cortisone acetate. 2,883,403, 4-21-59, Cl. 260-397.45.
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- Rothrock, Edward H.: See—
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- Handy, Carleton T., and Rothrock. 2,883,361.
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- Rothschild, Gilbert R., and H. R. Lyons, to Air Reduction Co., Inc. Welding of steel. 2,907,864, 10-6-59, Cl. 219-74.
- Rothstein, Milton, and B. Lichtenstein, to Radio Receptor Co., Inc. Stray field electrode buffer. 2,867,709, 1-6-59, Cl. 219-10.53.
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- Rotow, Alexander A., to Radio Corp. of America. Electron discharge device. 2,887,594, 5-19-59, Cl. 313-65.
- Rotronic Corp. Ltd.: See—
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- Rott, Clarence: See—
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- Rotter, Hans-Werner: See—
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- Rotter, Lutwin C., to The McNeil Machine & Engineering Co. Dispensing apparatus. 2,898,005, 8-4-59, Cl. 222-135.
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- Roubloff, Alexander D., to Wiesner-Rapp Co., Inc. Counter-sink machines. 2,884,819, 5-5-59, Cl. 77-33.5.
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- Roulston, Kenneth I.: See—
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- Roush, Sigel G. Rack for phonograph records. 2,916,151, 12-8-59, Cl. 211-40.
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- Rousseau, Leo J., to Minit-Man, Inc. Portable vehicle washing machine. 2,876,472, 3-10-59, Cl. 15-21.
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- Routh, Herman M., and H. E. Crawford. Stitch length graduating attachment. 2,911,808, 11-10-59, Cl. 66-53.
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- Rowand, Harold E.: See—
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- Rowe, Carl H.: See—
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- Rowe, Harrison E.: See—
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- Rowe Mfg. Co., Inc.: See—
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- Rowe, Sylvester J. Trousers hanger. 2,893,614, 7-7-59, Cl. 223-96.
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- Rowen, John H.: See—
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- Rowland, George H., and C. W. Williams, Jr., to Safeway Stores, Inc. Peanut butter product. 2,911,303, 11-3-59, Cl. 99-128.
- Rowland, Homer C., to Hallmark Cards, Inc. Knotless bow. 2,886,912, 5-19-59, Cl. 41-10.
- Rowland, Jasper M. Stock market game. 2,908,501, 10-13-59, Cl. 273-148.
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- Rowland, Ralph W., to Vitro Corp. of America. Transistor protection circuitry. 2,900,530, 8-18-59, Cl. 307-88.5.
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- Rowlands, Daniel C., and W. H. Gillen, to The Air Reduction Co., Inc. Methyl butynyl stearate. 2,882,287, 4-14-59, Cl. 260-410.9.
- Rowles, Franklin M., to Cal-Gas Equipment Corp. Automatic safety control system for vehicles. 2,871,872, 2-3-59, Cl. 137-351.
- Rowles, Reginald V., and B. T. Gowing, to Anglo-American Extrusion Co. Hydraulic press construction. 2,896,581, 7-28-59, Cl. 121-38.
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- Rowls, Garth A., to General Motors Corp. Storage battery non-overfill device. 2,872,500, 2-3-59, Cl. 136-178.
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- Rucker, Ray. Receptacle. 2,900,105, 8-18-59, Cl. 220-102.
- Rucker, Robert M., to ACF Industries, Inc. Gate valve. 2,869,819, 1-20-59, Cl. 251-199.
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- Ruda, Edward P., to Garden City Plating & Mfg. Co. Panel support. 2,871,520, 2-3-59, Cl. 20-5.
- Rudberg, Julius. Purses. 2,904,090, 9-15-59, Cl. 150-28.
- Rudd, Wallace C.: See—  
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- Rudd, Wallace C., to Magnetic Heating Corp. Welding of helically formed tubing. 2,873,353, 2-10-59, Cl. 219-62.
- Rudd, Wallace C., to Magnetic Heating Corp. Welding by high frequency resistance heating. 2,876,323, 3-3-59, Cl. 219-8.5.
- Rudd, Wallace C., to Magnetic Heating Corp. Lapped welding of metal edge portions. 2,886,691, 5-12-59, Cl. 219-67.
- Rudd, Wallace C., to Magnetic Heating Corp. Methods and apparatus for butt welding. 2,892,914, 6-30-59, Cl. 219-9.5.
- Rudd, Wallace C., to Magnetic Heating Corp. Welding of strips. 2,919,343, 12-29-59, Cl. 219-104.
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- Rudel, Harry W.: See—  
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Westlund, Roy A., Jr., and Rudel. 2,892,724.

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- Rudel, Harry W., and W. Seitz, to Esso Research and Engineering Co. Rust preventive compositions. 2,911,309, 11-3-59, Cl. 106-14.
- Rudenberg, Hermann G., to Raytheon Mfg. Co. Traveling wave tubes. 2,888,596, 5-26-59, Cl. 315-3.5.
- Ruderlan, Max J. Direct coupled amplifier utilizing sampling method. 2,882,354, 4-14-59, Cl. 179-171.
- Ruderman, Irving W., to Isomet Corp. Combined scintillometer and fluorimeter. 2,883,547, 4-21-59, Cl. 250-71.
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- Rudine, Clifford. Pill counting and dispensing device. 2,881,960, 4-14-59, Cl. 222-370.
- Rudine, Ruth L. Plastic hollow clog. 2,889,639, 6-9-59, Cl. 36-25.
- Rudisch, Walter E., to McCauley Industrial Corp. Clutch. 2,875,876, 3-3-59, Cl. 192-84.
- Rudisch, Walter E., to McCauley Industrial Corp. Clutch. 2,913,081, 11-17-59, Cl. 192-18.
- Rudman, Oscar S. Wheel-mounting means and drive assembly. 2,903,081, 9-8-59, Cl. 180-19.
- Rudmann, Frank J., Jr., to Sperry Rand Corp. Gated spectrum analyzer. 2,905,894, 9-22-59, Cl. 324-77.
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- Rudner, Bernard, to W. R. Grace & Co. Substituted alkyl hydrazinium chlorides. 2,889,366, 6-2-59, Cl. 260-569.
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- Rudner, Bernard, to W. R. Grace & Co. Process for aminating nitrogen-containing heterocyclic compounds. 2,892,841, 6-30-59, Cl. 260-288.
- Rudner, Bernard, to W. R. Grace & Co. Cyclohexyldienelmino compounds. 2,894,028, 7-7-59, Cl. 260-551.
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- Rudnick, Paul, to International Telephone and Telegraph Corp. Cathode structures. 2,892,115, 6-23-59, Cl. 313-85.
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- Rudolph, Hans: See—  
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- Rudolph, Hans, and J. M. Ford. Safety book. 2,875,495, 3-3-59, Cl. 24-238.
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- Rudolph, Nathan H., and R. H. Crutchett, to All-Steel Equipment, Inc. Electrical boxes. 2,908,416, 10-13-59, Cl. 220-3.6.
- Rudorff, Dagobert W.: See—  
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- Rudy, Emanuel T.: See—  
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- Rudy, Emil, to Loren Cook Co. Retaining means for the dampers of ventilators. 2,911,900, 11-10-59, Cl. 98-116.
- Rudy, Jerome: See—  
Fortess, Fred, and Rudy. 2,880,050.
- Rudy, John B.: See—  
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- Rudy, John E. T. Egg crate. 2,874,866, 2-24-59, Cl. 220-20.
- Rudy Mfg. Co.: See—  
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- Rue, Dale: See—  
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- Rue, Robert W., to The New York Air Brake Co. Valve system. 2,913,878, 11-24-59, Cl. 60-52.
- Rueb, Theodore O. Taper gage. 2,895,222, 7-21-59, Cl. 33-75.
- Rueckert, Dean E., to Swift & Co. Container for frozen foods. 2,915,235, 12-1-59, Cl. 229-23.
- Ruedisulj, Wilhelmus M. J., to Shell Development Co. Process for preparing aviation base stock and aviation gasoline. 2,874,114, 2-17-59, Cl. 208-93.
- Ruefenacht, Werner. Balance. 2,869,554, 1-20-59, Cl. 265-49.
- Ruegg, Rudolf: See—  
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- Isler, Otto, Lindlar, Montavon, Ruegg, and Zeller. 2,870,197.
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- Ruelle, Richard A.: See—  
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- Ruetsch, Charles D., to General Electric Co. Cathode ray tube screening apparatus. 2,914,258, 11-24-59, Cl. 239-562.
- Ruetschi, Karl and P. Lead-acid storage battery. 2,883,443, 4-21-59, Cl. 136-68.
- Ruetschi, Paul: See—  
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- Ruettiger, Justin. Neutral density filters. 2,887,010, 5-19-59, Cl. 88-112.
- Ruetz, John A., to United States of America, Army. Double stream growing-wave amplifier. 2,900,559, 8-18-59, Cl. 315-5.12.
- Ruf, Paul: See—  
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- Ruff, Alonzo W., to V. C. Patterson & Associates, Inc. Apparatus and method of lowering ice-buckled cold room floors. 2,886,952, 5-19-59, Cl. 61-36.
- Ruff, Donald G.: See—  
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- Ruff, Edgar E., to Lever Brothers Co. Polyphosphate compositions containing tallow methyl tauride and 2-mercaptotiazoline. 2,870,092, 1-20-59, Cl. 252-137.
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- Ruff, Edgar E., and J. L. Thornton, to Lever Brothers Co. Detergent composition. 2,880,178, 3-31-59, Cl. 252-137.
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- Ruffing, Norman R.: See—  
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- Ruffie, William H., Speed Development Co. Ltd. Temperature change responsive means for controlling electric circuits. 2,894,251, 7-7-59, Cl. 340-227.
- Ruffner, James H.: See—  
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- Rufe, George H. Switching device. 2,870,285, 1-20-59, Cl. 200-87.
- Rufolo, Anthony. Device for measuring creep. 2,891,399, 6-23-59, Cl. 73-94.
- Rufus, David, to Sylvania Electric Products Inc. Electronic tube packet. 2,881,347, 4-7-59, Cl. 313-256.
- Rug, John P.: See—  
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- Ruge, Arthur C., to Baldwin-Lima-Hamilton Corp. Motion load weighing system. 2,868,535, 1-13-59, Cl. 265-71.
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- Rugen, Vernon L., to Deere Mfg. Co. Clutch. 2,875,873, 3-3-59, Cl. 192-18.
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- Ruger, Robert D., to Curtiss-Wright Corp. Amphibious vehicle. 2,914,017, 11-24-59, Cl. 115-1.
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- Rugg, Harold H., to Westinghouse Electric Corp. Bus structure. 2,878,300, 3-17-59, Cl. 174-15.
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- Ruggeri, John R., to International Harvester Co. Free piston engine with air compression on power stroke. 2,876,752, 3-10-59, Cl. 123-46.
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- Ruggiero, Alfred J., to E. D. Bullard Co. Safety hat. 2,895,136, 7-21-59, Cl. 2-3.
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- Ruiz, Frank W., to A. B. Dick Co. Exposure apparatus. 2,908,210, 10-13-59, Cl. 95-73.
- Ruiz, Honorato G. Electro-thermostatic appliances. 2,884,502, 4-28-59, Cl. 200-122.
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- Rulon, Richard M.: See—  
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- Rulon, Richard M., and W. H. Drew, to Sylvania Electric Products Inc. Curved electroluminescent lamp. 2,900,345, 8-18-59, Cl. 313-108.
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- Rummel, Roman. Process for gasifying fuels. 2,913,321, 11-17-59, Cl. 48-197.
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- Rummert, Günter, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Process for carrying out exothermic chemical reactions. 2,890,929, 6-16-59, Cl. 23-1.
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- Rumsey, Leo: See—  
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- Rumsey, Rollin D., to Houdaille Industries, Inc. Damper with thermostatic valve. 2,899,023, 8-11-59, Cl. 188-96.
- Rundman, Robert D., to The General Electric Co. Ltd. Automatic machines. 2,890,456, 6-16-59, Cl. 1-102.

- Runck, Roger J.: See—  
Yntema, Leonard F., and Runck. 2,870,527.
- Rund, Clifford A. Coupling link for a crawler vehicle track and continuous track using same. 2,882,102, 4-14-59, Cl. 305-10.
- Runde, Byron A., and I. W. Borutzke, to Burroughs Corp. Carriage movement controls for accounting machines. 2,894,615, 7-14-59, Cl. 197-177.
- Runde, Kenneth R. Washing and drying machines. 2,868,004, 1-13-59, Cl. 68-12.
- Runde, Kenneth R. Expandible earth anchor. 2,905,288, 9-22-59, Cl. 189-92.
- Rundie, George W. Portable cook stove. 2,893,373, 7-7-59, Cl. 126-9.
- Rundie, Robert E.: See—  
Wilhelm, Harley A., and Rundie. 2,872,307.
- Runge, Erwin, and H. Binek, to Firma Preckel & Waltermann G.m.b.H. Upbolster tufting. 2,910,116, 10-27-59, Cl. 155-185.
- Runge, Frank E., and D. F. Balmer, to The Soundscribe Corp. Hand microphone. 2,891,131, 6-16-59, Cl. 200-153.
- Runge, Heinz F.: See—  
Hach, Chester C., and Runge. 2,886,995.
- Baluck, Francis M., Brunner, and Runge. 2,911,087.
- Rönge, Heinz F., to Western Electric Co., Inc. Fixture for bending terminals. 2,873,787, 2-17-59, Cl. 153-20.
- Runge, Richard J., to Pan American Petroleum Corp. Seismic wavelet contraction. 2,872,996, 2-10-59, Cl. 151-5.
- Runkel, Robert W. Electrode holder. 2,889,447, 6-2-59, Cl. 219-142.
- Runkel, Gerd: See—  
Furrer, John R., and Runkel. 2,900,924.
- Furrer, John R., and Runkel. 2,917,005.
- Runnalls, Oliver J. C., to United States of America, Atomic Energy Commission. Method of making alloys of beryllium with plutonium and the like. 2,875,041, 2-24-59, Cl. 75-122.7.
- Runner, John W.: See—  
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- Frayer, Theodore, and Runner. 2,900,052.
- Runner, John W., to The Goodyear Tire & Rubber Co. Self-energizing brake adjustment. 2,878,901, 3-24-59, Cl. 188-73.
- Runtun, Leslie A., to The Russell Mfg. Co. Railway journal packing. Re. 24,643, 4-28-59, Cl. 308-243.
- Runtun, Leslie A., to The Russell Mfg. Co. Anti-fraction pad. 2,872,181, 2-3-59, Cl. 267-49.
- Runtun, Leslie A., to The Russell Mfg. Co. Sealing ring. 2,892,650, 6-30-59, Cl. 288-33.
- Runtun, Leslie A., to The Russell Mfg. Co. High speed endless belt. 2,892,748, 6-30-59, Cl. 154-52.1.
- Runtun, Leslie A., to The Russell Mfg. Co. Self-lubricating bearing. 2,906,573, 9-29-59, Cl. 308-238.
- Runtun, Leslie A., to The Russell Mfg. Co. Ski or sled runner. 2,908,506, 10-13-59, Cl. 280-11.13.
- Runtun, Leslie A., to The Russell Mfg. Co. Sealing ring and thrust bearing. 2,910,329, 10-27-59, Cl. 308-163.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Self-lubricating spring liner pad. 2,890,041, 6-9-59, Cl. 267-49.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Railway journal bearing. 2,906,567, 9-29-59, Cl. 308-53.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Ball joint actuator. 2,906,569, 9-29-59, Cl. 308-72.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Windshield wiper or the like. 2,905,028, 10-13-59, Cl. 15-245.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Bearing for helicopter rotor. 2,908,532, 10-13-59, Cl. 308-72.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Oilless antifriction bearings. 2,908,535, 10-13-59, Cl. 308-163.
- Runtun, Leslie A., and H. C. Morton, to The Russell Mfg. Co. Collet for variable pitch propeller hub. 2,918,316, 12-22-59, Cl. 288-17.
- Runyan, Walter R., and R. E. Anderson, to Texas Instruments Inc. Grown junction transistors. 2,878,152, 3-17-59, Cl. 148-33.
- Runyan, Wilbur C. Method of and apparatus for forming decorative bows. 2,905,368, 9-22-59, Cl. 223-46.
- Ruoti, Enzo: See—  
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- Rupe, Jack H.: See—  
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- Rupel, Earl E.: See—  
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- Rupert, Kenneth C.: See—  
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- Rupert, Kenneth C., to Sylvania Electric Products Inc. Coll coating holder. 2,911,348, 11-3-59, Cl. 204-299.
- Rupert, Richard D. Double face reflector. 2,884,835, 5-5-59, Cl. 88-78.
- Rupp, Herbert E., II. Driving and braking arrangement for an automotive vehicle. 2,918,981, 12-29-59, Cl. 180-62.
- Rupp, Herbert E., II. Low slung vehicle frame. 2,919,139, 12-29-59, Cl. 280-106.
- Rupp, Walter H., to Esso Research and Engineering Co. Storage and transportation of liquefied gas. 2,897,657, 8-4-59, Cl. 62-45.
- Rupp, William L.: See—  
Price, Clarence A., and Rupp. 2,869,571.
- Ruppel, Alfred E.: See—  
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- Ruppel, Carl D., to Orenda Engines Ltd. Turbine pump. 2,918,010, 12-22-59, Cl. 103-13.
- Ruppel, Wilhelm: See—  
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- Ruppert, Wilhelm, G. Schwedler, O. Essewein, and B. Fritz, to Metallgesellschaft Akt. Apparatus for producing hard coatings on workpieces. 2,884,894, 5-5-59, Cl. 118-48.
- Rus, Albert F., and C. C. Veale, to Western Electric Co., Inc. Electrical resistance measuring apparatus for cutting helical grooves in resistors. 2,884,746, 5-5-59, Cl. 51-37.
- Rusca, Ralph A.: See—  
Miller, August L., Brown, and Rusca. 2,879,549.
- Rusca, Ralph A., and R. C. Young, to United States of America, Agriculture. Self-feeding and self-doffing opener cleaner for textile fibers. 2,893,064, 7-7-59, Cl. 19-76.
- Rusch, Kenneth A., and E. Hillman, to Milprint, Inc. Art of forming tubes from thermo-plastic sheet material. 2,897,875, 8-4-59, Cl. 154-42.
- Ruschig, Heinrich: See—  
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- Ruschig, Heinrich, R. Fugmann, H. Eggert, E. Fischer, and E. Lindner, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Substituted 2,3-diphenyl-1,4-dioxo-tetrahydrophthalazines and a process for preparing them. 2,874,156, 2-17-59, Cl. 260-250.
- Ruschig, Heinrich, W. Siedel, H. Leditschke, M. Schorr, D. Schmidt-Barbo, and G. Lammler, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Dicarboxylic acid-monopiperazines and a process for their manufacture. 2,875,205, 2-24-59, Cl. 260-268.
- Ruschig, Heinrich, H. Wagner, W. Aumüller, G. Korger, J. Scholz, and A. Bander, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Benzothiazol-2-sulfonyl-ureas and a process for their manufacture. 2,891,960, 6-23-59, Cl. 260-306.6.
- Ruschig, Heinrich, and W. Aumüller, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. a-hydroxy-1,2,5,6-tetrahydrobenzophosphonic acid and preparation thereof. 2,904,586, 9-15-59, Cl. 260-500.
- Rusciano, Frank A., to Metallurgical Processes Co. Carburizing furnaces with recuperative heating. 2,886,303, 5-12-59, Cl. 266-5.
- Rusciano, George J.: See—  
Polchinski, Stanley, and Rusciano. 2,899,228.
- Ruse, Raymond L.: See—  
Bolton, Wilbur M., and Ruse. 2,901,867.
- Ruseckas, Joseph A.: See—  
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- Rush, Charles D., and M. W. Muehter, to American District Telegraph Co. Retarding circuit. 2,876,396, 3-3-59, Cl. 317-141.
- Rush, Dallas, to Federal Chemical Co. Charge preweighing device. 2,919,100, 12-29-59, Cl. 240-32.
- Rush, David H.: See—  
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- Rush, Elton E., to Phillips Petroleum Co. Fractional crystallization apparatus. 2,890,938, 6-16-59, Cl. 23-273.
- Rush, Elton E., to Phillips Petroleum Co. Fractional crystallization process and apparatus. 2,910,516, 10-27-59, Cl. 260-674.
- Rush, Hugh M., to S. K. Clements. Single actuator for a plurality of control devices. 2,877,660, 3-17-59, Cl. 74-471.
- Rush, Ian C., and C. M. Finigan, to Polymer Corp. Ltd. Purification of unreacted butene recycle stream by fractional distillation. 2,886,613, 5-12-59, Cl. 260-680.
- Rush Instrument Co., Inc.: See—  
Most, David. 2,873,409.
- Most, David. 2,877,412.
- Rush, John A.: See—  
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- Rush, John W., to Westinghouse Air Brake Co. Fluid pressure brake control apparatus with high pressure emergency feature. 2,905,508, 9-22-59, Cl. 303-85.
- Rusher, Robert L., and P. C. Yates, to E. I. du Pont de Nemours and Co. Process for increasing the soil resistance of a solid surface. 2,877,142, 3-10-59, Cl. 117-169.
- Rushford, Wilson H.: See—  
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- Rushford, Wilson H., to Phillips Petroleum Co. Process and apparatus for classifying particulate material. 2,892,689, 6-30-59, Cl. 23-314.
- Rushing, Frank C., to United States of America, Atomic Energy Commission. Rotor end cap. 2,872,105, 2-3-59, Cl. 233-27.
- Rushing, George, Jr. Cleaner for optical lenses and the like. 2,880,441, 4-7-59, Cl. 15-214.
- Rushing, Granvil L.: See—  
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- Rushing, James F.: See—  
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- Rushton, Alvis P., to E. I. du Pont de Nemours and Co. Bobbin drive. 2,913,868, 11-24-59, Cl. 57-130.
- Rusk, Stanley J. Combination integrator. 2,913,180, 11-17-59, Cl. 235-183.



- Ruskin, Bernard J. Fixture assembly. 2,880,264, 3-31-59, Cl. 174-67.
- Ruskin, Dan: See—  
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- Ruskin, Henry, to Patents Management Corp. Electric stapling machine. 2,866,973, 1-6-59, Cl. 1-3.
- Ruskin, Henry, to Swingline, Inc. Stapling machine. 2,915,753, 12-8-59, Cl. 1-3.
- Ruskin, Len: See—  
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- Ruskin, Simon L.: See—  
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- Ruskin, Simon L., to Union Carbide Corp. Process for recovery of petroleum. 2,906,680, 9-29-59, Cl. 204-162.
- Ruskin, Simon L., to Union Carbide Corp. Irradiated concrete composition. 2,910,372, 10-27-59, Cl. 106-89.
- Rusler, George W., to Minneapolis-Honeywell Regulator Co. Crystal growing procedure. 2,892,739, 6-30-59, Cl. 148-15.
- Rusnak, George A.: See—  
Chabala, Leonard V., and Rusnak. 2,871,313.
- Rusoff, Irving I., to General Foods Corp. Flavor. 2,887,384, 5-19-59, Cl. 99-140.
- Rusoff, Irving I., to General Foods Corp. Flavor. 2,887,385, 5-19-59, Cl. 99-140.
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- Rusoff, Irving I., to General Foods Corp. Flavor. 2,887,387, 5-19-59, Cl. 99-140.
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- Rusoff, Irving I., to General Foods Corp. Chocolate product and process therefor. 2,899,309, 8-11-59, Cl. 99-23.
- Russ, Paul E., to The Gates Rubber Co. Pulley. 2,913,915, 11-24-59, Cl. 74-230.5.
- Russell, Andrew C. Carburetor construction. 2,879,045, 2-24-59, Cl. 261-13.
- Russell, Andrew C. Spark plug assembly. 2,900,546, 8-18-59, Cl. 313-125.
- Russell, Andrew C. Wall switch assembly. 2,901,581, 8-25-59, Cl. 200-153.
- Russell, Arthur G., Co., Inc.: See—  
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- Russell, Billy N., and R. E. Anderson, to Jersey Production Research Co. Well assembly for production of fluids from a plurality of zones. 2,906,342, 9-29-59, Cl. 166-115.
- Russell, Charles, to Bendix Aviation Corp. Propeller pitch control system. 2,915,034, 12-1-59, Cl. 115-34.
- Russell, Charles A., to National Lead Co. Process for the preparation of stabilized organotin compounds. 2,894,966, 7-14-59, Cl. 260-429.5.
- Russell, Charles A., to National Lead Co. Organotin compounds and process of preparation. 2,898,356, 8-4-59, Cl. 260-429.5.
- Russell, Charles A., to National Lead Co. Organotin compounds and process of preparation. 2,913,469, 11-17-59, Cl. 260-429.5.
- Russell, Clarence H. Automatic page turning apparatus. 2,897,618, 8-4-59, Cl. 40-104.
- Russell, Edwin R.: See—  
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- Russell, F. C., Co., The: See—  
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- Russell, Henry H., to United States of America, Commerce. Large-capacity balance. 2,882,038, 4-14-59, Cl. 265-54.
- Russell, Howard T. Low pressure warning signal for tubeless tires. 2,915,035, 12-1-59, Cl. 116-34.
- Russell, James B., to Kaiser Aluminum & Chemical Corp. Composite article. 2,883,739, 4-29-59, Cl. 29-196.2.
- Russell, James L., to Bendix Aviation Corp. Echo object-detecting system sensitive to object velocity. 2,883,656, 4-21-59, Cl. 343-7.7.
- Russell, John A.: See—  
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- Russell, John A., to A. O. Smith Corp. Electrode feed apparatus. 2,909,646, 10-20-59, Cl. 219-130.
- Russell, John A., and J. R. Boullie, to Joy Mfg. Co. Disintegrating mechanism for longwall continuous miner. 2,867,427, 1-6-59, Cl. 262-28.
- Russell, John D., to Joy Mfg. Co. Mining apparatus of the pivoted boom type. 2,872,171, 2-3-59, Cl. 262-29.
- Russell, John D., to Joy Mfg. Co. Loading apparatus for tunnel work. 2,907,481, 10-6-59, Cl. 214-41.
- Russell, John D., to Joy Mfg. Co. Floor clean-up mechanism for continuous mining apparatus. 2,908,374, 10-13-59, Cl. 198-9.
- Russell, John D., to Joy Mfg. Co. Articulated conveyor having tension control means. 2,910,169, 10-27-59, Cl. 198-109.
- Russell, John D. Pressure-controllable rotary welding electrodes. 2,918,564, 12-22-59, Cl. 219-34.
- Russell, John E.: See—  
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- Russell, John G., to Parker Hannifin Corp. Fluid pressure actuated automatic shut-off valve. 2,913,217, 11-17-59, Cl. 251-46.
- Russell, John J. Liquid dispenser. 2,885,125, 5-5-59, Cl. 222-321.
- Russell, John K., and W. W. Boggs, to Luber-Floer Inc. Apparatus for handling sheets of paper. 2,878,016, 3-17-59, Cl. 271-11.
- Russell, John K., and G. J. Byrd, to Lignosol Chemicals Ltd. Drilling fluids. 2,901,429, 8-25-59, Cl. 252-8.5.
- Russell, John L., to The Bristol Co. Synchronous inverter. 2,901,571, 8-25-59, Cl. 200-90.
- Russell, Kenneth F. Apparatus for drawing wire. 2,893,544, 7-7-59, Cl. 205-20.
- Russell, Lewis S., Jr. Bin and unloading mechanism. 2,889,042, 6-9-59, Cl. 214-15.
- Russell, Linus E., to Peters & Russell, Inc. Exhaust extension. 2,868,228, 1-13-59, Cl. 138-46.5.
- Russell, Linus E., to Peters & Russell, Inc. Exhaust deflector. 2,868,229, 1-13-59, Cl. 138-46.5.
- Russell, Linus E., to Peters & Russell, Inc. Fluid pump. 2,883,939, 4-28-59, Cl. 103-178.
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- Russell, Louis A., to International Business Machines Corp. Magnetic core inverter circuit. 2,894,151, 7-7-59, Cl. 307-88.
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- Russell, Louis A., to International Business Machines Corp. Magnetic core logical circuit. 2,910,595, 10-27-59, Cl. 307-88.
- Russell, Louis A., to International Business Machines Corp. Magnetic core logical circuit. 2,919,354, 12-29-59, Cl. 307-88.
- Russell Mfg. Co., The: See—  
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- Runtun, Leslie A. 2,872,181.
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- Russell, Monica. Hair curlers. 2,910,989, 11-3-59, Cl. 132-40.
- Russell, Ralph W., to Pohatcong Hosiery Mills, Inc. Toelet. 2,866,979, 1-6-59, Cl. 2-61.
- Russell, Ralph W., to Siler City Mfg. Co., Inc. Hosiery boarding form. 2,914,226, 11-24-59, Cl. 223-75.
- Russell, Ralph W., Jr. Forging apparatus. 2,885,916, 5-12-59, Cl. 78-90.
- Russell, Ray A., to California Umbrella Co. Umbrella winch. 2,914,154, 11-24-59, Cl. 192-15.
- Russell, Robert C., to Eaton Mfg. Co. Bidirectional slip coupling. 2,868,001, 1-13-59, Cl. 64-30.
- Russell, Robert C., to Eaton Mfg. Co. Circuit apparatus for electric window lifts. 2,881,378, 4-7-59, Cl. 318-283.
- Russell, Robert C., to Eaton Mfg. Co. Two speed axle improvement. 2,882,752, 4-21-59, Cl. 74-695.
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- Russell, Robert G., to Owens-Corning Fiberglass Corp. Apparatus for longitudinally feeding a multifilament, continuous strand. 2,868,358, 1-13-59, Cl. 203-183.
- Russell, Robert G., to Owens-Corning Fiberglass Corp. Apparatus for feeding molten glass. 2,883,798, 4-28-59, Cl. 49-53.
- Russell, Robert G., to Owens-Corning Fiberglass Corp. Method for producing coated glass fibers. 2,895,789, 7-21-59, Cl. 18-54.
- Russell, Robert G., to Owens-Corning Fiberglass Corp. Apparatus for production of glass fibers. 2,908,036, 10-13-59, Cl. 18-8.
- Russell, Robert G., to Owens-Corning Fiberglass Corp. Production of coated glass fibers. 2,916,347, 12-8-59, Cl. 18-54.
- Russell, Robert G., E. W. Smart, and J. D. Riley, to Owens-Corning Fiberglass Corp. Apparatus for producing thermoplastic fibers. 2,875,893, 3-3-59, Cl. 209-11.
- Russell, Robert G., and D. Denelsbeck, to Owens-Corning Fiberglass Corp. Apparatus for feeding and conveying molten glass. 2,910,806, 11-3-59, Cl. 49-14.
- Russell & Stoll Co., Inc.: See—  
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- Russell, William H., Jr., to United States of America, Atomic Energy Commission. Internal cutting device. 2,892,387, 6-34-59, Cl. 90-12.

- Russell, William J.: See—  
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- Russell, William N., and T. J. Suen, to American Cyanamid Co. Mercapto dibasic acids as regulators for the polymerization of acrylic acids, amides and salts. 2,878,237, 3-17-59, Cl. 260-80.
- Russell, William N., and R. C. Gibson, to Parker Rust Proof Co. Alkali metal phosphate coating method for metals and article produced thereby. 2,882,189, 4-14-59, Cl. 148-6.16.
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- Russo, Aurelio D., to Alkerm, Inc. Vapor diffusing device. 2,878,060, 3-17-59, Cl. 299-24.
- Russo, Benjamin J. Massage machine. 2,889,826, 6-9-59, Cl. 128-57.
- Russo, Jack P., and M. Ellis. Clothespin. 2,885,758, 5-12-59, Cl. 24-138.
- Russo, Vassie. Accessory container. 2,880,864, 4-7-59, Cl. 206-69.
- Russo, Walter L.: See—  
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- Russum, Gaillard R., to Johns-Manville Corp. Mixing apparatus. 2,901,227, 8-25-59, Cl. 259-81.
- Rust, David J., and J. H. Jensen, to Rylock Co., Ltd. Screen door with metallic frame. 2,894,579, 7-14-59, Cl. 160-378.
- Rust, David J., and J. H. Jensen, to Rylock Co., Ltd. Window frame. 2,918,706, 12-29-59, Cl. 20-11.
- Rust, Frederick F., to Shell Development Co. Manufacture of hydrogen peroxide. 2,871,104, 1-27-59, Cl. 23-207.
- Rust, Frederick F., and L. M. Porter, to Shell Development Co. Manufacture of hydrogen peroxide. 2,871,101, 1-27-59, Cl. 23-207.
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- Martin, James W., Hessel, Hammer, and Rust. 2,875,832.
- Rust, John B., 1/4 to Montclair Research Corp., and 1/4 to Ellis-Foster Co. Process for preparing copolymers of organo silicon derivatives. 2,873,265, 2-10-59, Cl. 260-46.5.
- Rust, Noel M.: See—  
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- Ruston & Hornsby Ltd.: See—  
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- Metzger, Walter, and Mels. 2,914,504.
- Ratte, Heinrich, and Geller. 2,868,713.
- Ruth, Aquilla R., deceased, by T. M. Ruth, executrix. Cleaning tool for air line hose coupling. 2,909,795, 10-27-59, Cl. 15-104.02.
- Ruth, Harold M., to Food Machinery and Chemical Corp. Article clip. 2,909,820, 10-27-59, Cl. 24-81.
- Ruth, Helmer A., to Interlake Iron Corp. Blast furnace seal. 2,901,132, 8-25-59, Cl. 214-37.
- Ruth, Joseph P. Mining machine having crankshaft operated ripper means. 2,874,947, 2-24-59, Cl. 262-14.
- Ruth, Joseph P. Apparatus for treating gases. 2,876,080, 3-3-59, Cl. 23-284.
- Ruth, Joseph P. Sugar diffusing apparatus. 2,876,143, 3-3-59, Cl. 127-7.
- Ruth, Joseph P. Apparatus for conditioning exhaust gases from internal combustion engines. 2,877,098, 3-10-59, Cl. 23-284.
- Ruth, Joseph P. Engine exhaust gas treatment apparatus. 2,878,107, 3-17-59, Cl. 23-283.
- Ruth, Joseph P. Continuous sub-atmospheric diffusion of sugar. 2,908,596, 10-13-59, Cl. 127-45.
- Ruth, Joseph P. Mining and excavating machine of the rotary type. 2,919,121, 12-29-59, Cl. 262-7.
- Ruth, Thelma M.: See—  
Ruth, Aquilla R. 2,909,795.
- Ruthardt, Konrad, and H. Spedel, to W. C. Heraeus, G.m.b.H. Potentiometer electrical resistance elements of palladium base alloys. 2,890,114, 6-9-59, Cl. 75-172.
- Ruther, Westley E.: See—  
Drake, Joseph E., and Ruther. 2,871,176.
- Rutherford, Harry T. Bearing boring machine. 2,877,671, 3-17-59, Cl. 77-3.
- Rutherford, Jerome J., Jr.: See—  
Swanson, Linwood B., and Rutherford. 2,904,339.
- Ruthroff, Clyde L., to Bell Telephone Laboratories, Inc. Microwave frequency discriminator. 2,883,533, 4-21-59, Cl. 250-27.
- Ruti Machinery Works Ltd.: See—  
Eggl, Gerhard. 2,911,012.
- Rutkowski, Hans, to H. Gerlach. Roof support structure for mine workings. 2,884,272, 4-28-59, Cl. 287-99.
- Rutland, David F.: See—  
Pitman, Duncan, Rutland, and Giel. 2,907,012.
- Rutland, David F., and J. C. Barclay, to Friden, Inc. Multiplying mechanism for accumulating products around a fixed decimal. 2,868,454, 1-13-59, Cl. 235-63.
- Rutledge, Chesley A., Jr. Knife scabbards. 2,903,171, 9-8-59, Cl. 224-2.
- Rutledge, Hal M., and C. M. Moore, to The Superior Switchboard & Devices Co. Ringless socket meter box with means for disconnecting the meter. 2,907,928, 10-6-59, Cl. 317-109.
- Rutledge, John J. Sandblasting nozzle and method of producing it. 2,900,851, 8-25-59, Cl. 76-101.
- Rutledge, Ralph J., Sr. Automatic baby feeder. 2,890,007, 6-9-59, Cl. 246-105.
- Rutledge, Richard E., Sr. Paint can holder and scraper. 2,873,044, 2-10-59, Cl. 220-90.
- Rutledge, Thomas F., to Air Reduction Co., Inc. Process of preparing tertiary acetylenic carbinoles. 2,910,510, 10-27-59, Cl. 260-618.
- Rutten, Donald, to Railloc Co. Silage distributor. 2,867,190, 1-6-59, Cl. 119-52.
- Ruttenberg, Derald H.: See—  
Operhall, Theodore. 2,892,227.
- Ruttger, William J. Braking system for outboard motor carriers. 2,905,482, 9-22-59, Cl. 280-47.24.
- Rutger, William J. Suction cup holder. 2,915,271, 12-1-59, Cl. 248-206.
- Rutz, Charles R., and V. J. Ferrante. Single delivery welding rod container. 2,896,819, 7-25-59, Cl. 221-203.
- Rutz, Richard F., to International Business Machines Corp. Current multiplication transistors and method of producing same. 2,867,732, 1-6-59, Cl. 307-88.5.
- Rutz, Richard F., to International Business Machines Corp. Bistable semiconductor device. 2,889,499, 6-2-59, Cl. 317-235.
- Rutz, Richard F., to International Business Machines Corp. Semiconductor device encapsulation. 2,898,474, 8-4-59, Cl. 250-211.
- Rutz, Richard F., to International Business Machines Corp. Semiconductor device. 2,910,634, 10-27-59, Cl. 317-235.
- Rund Mfg. Co.: See—  
Lyle, John M. 2,892,465.
- Ruyle, William V., to Merck & Co., Inc.  $\Delta^9$ -bismorcholadienic acids and esters thereof. 2,895,968, 7-21-59, Cl. 260-397.1.
- Ruze, John, to The Gabriel Co. Antenna array for counter-acting the effect of null regions. 2,898,593, 8-4-59, Cl. 343-853.
- Ruzek, Jan M.: See—  
Jackson, Clarence E., and Ruzek. 2,871,339.
- Ruzicka, Leopold, and O. Jeger, to Ciba Pharmaceutical Products Inc. Process for the manufacture of steroids. 2,868,784, 1-13-59, Cl. 260-239.59.
- Ruzicka, Leopold, and H. Heusser, to Ciba Pharmaceutical Products, Inc. Hydrophenanthryl-carboxylic acids and esters and process for preparing same. 2,889,355, 6-2-59, Cl. 260-468.5.
- Ruzicka, Otakar. Photocolorimetric device. 2,900,523, 8-18-59, Cl. 250-211.
- Ryan, Alfred J., and W. B. McDowell: said McDowell assor. to said Ryan. Flow meter. 2,896,453, 7-23-59, Cl. 73-228.
- Ryan, Benjamin F., to United States of America, Air Force. Dolly-conveyor. 2,915,207, 12-1-59, Cl. 214-84.
- Ryan, Claire S., and R. S. Lane. Can opener and radiant energy sterilizer. 2,867,865, 1-13-59, Cl. 21-102.
- Ryan, Donald J.: See—  
Childers, Eugene, Ellis, and Ryan. 2,910,343.
- Ryan, Edward J., Jr.: See—  
Dodge, William W., and Ryan. 2,896,531.
- Ryan, George R., to Abbott Laboratories. Container closure. 2,915,211, 12-1-59, Cl. 215-42.
- Ryan, Herbert A., to Senokot Pharmaceutical Products Corp. Process for manufacture of senna products. 2,908,610, 10-13-59, Cl. 167-56.
- Ryan, James F., Jr., to W. F. and John Barnes Co. Method and apparatus for aseptically canning under pressure. 2,874,523, 2-24-59, Cl. 53-22.
- Ryan, James F., Jr., to W. F. and John Barnes Co. Method and apparatus for aseptically canning. 2,883,843, 5-12-59, Cl. 53-112.
- Ryan, James F., Jr., to W. F. and John Barnes Co. Back pressure valve. 2,902,048, 9-1-59, Cl. 137-510.
- Ryan, John A., Jr. Low altitude bombing system and apparatus. 2,898,809, 8-11-59, Cl. 89-1.5.
- Ryan, John W. Vibrator toy gun. 2,892,289, 6-30-59, Cl. 46-175.
- Ryan, John W. Toy control system. 2,892,290, 6-30-59, Cl. 46-244.
- Ryan, Kenneth Y., and W. J. Waters, to Farrel-Birmingham Co., Inc. Mounting and demounting press. 2,878,559, 3-24-59, Cl. 29-252.
- Ryan, Martin A., to Phillips Petroleum Co. Hydraulic cements having an extended thickening time, methods of making the same, and processes employing the same. 2,876,841, 3-10-59, Cl. 166-31.



- Ryan, Martin A., to Phillips Petroleum Co. Thermal drill and drilling process. 2,896,914, 7-28-59, Cl. 255-1.8.
- Ryan, Rhys E., and F. L. Tocher, to M. H. Treadwell Co., Inc. Apparatus for handling and cooling cast metal cakes. 2,894,518, 7-14-59, Cl. 134-131.
- Ryan, Richard W. Operating plug for fragrance dispenser. 2,904,223, 9-15-59, Cl. 222-162.
- Ryan, Thomas R. Interchangeable ornaments for buttons. 2,880,487, 4-7-59, Cl. 24-113.
- Ryan, William H.: See—  
Walworth, Vivian K., and Ryan. 2,892,383.
- Ryan, William H., to Polaroid Corp. Method for eliminating unwanted images in stereoscopic light-polarizing prints. 2,887,007, 5-19-59, Cl. 88-29.
- Ryan, William H., and V. K. Walworth, to Polaroid Corp. Film stock for dichroic dye images. 2,868,077, 1-13-59, Cl. 88-65.
- Ryan, William H., and V. K. Walworth, to Polaroid Corp. Light-polarizing process and product. 2,892,382, 6-30-59, Cl. 88-65.
- Ryba, Anton, to Stempel-Hermetik G. m. b. H. Electromagnetic compressor. 2,872,101, 2-3-59, Cl. 230-55.
- Ryba, Anton, to Stempel-Hermetik G. m. b. H. Compressor. 2,872,102, 2-3-59, Cl. 230-55.
- Ryba, Anton, 30% to J. Reinisch, and 30% to E. Vinatzer. Friction coupling. 2,893,528, 7-7-59, Cl. 192-111.
- Ryba, Anton, 30% to J. Reinisch, and 30% to E. Vinatzer. Slipping-less electromagnetically actuated coupling. 2,899,036, 8-11-59, Cl. 192-84.
- Ryhold, Richard A., Jr. Plug and receptacle assembly. 2,871,458, 1-27-59, Cl. 339-91.
- Ryburn, Jake R., and C. F. Bonner. Roof ventilator. 2,897,742, 8-4-59, Cl. 98-42.
- Rychlewski, Thaddeus V.: See—  
Evans, Lyle W., Rychlewski, and Wilson. 2,898,226.
- Rychlewski, Thaddeus V., to Sylvania Electric Products Inc. Process of forming luminescent screens. 2,903,378, 9-8-59, Cl. 117-33.5.
- Rychlewski, Thaddeus V., to Sylvania Electric Products Inc. Processing of image display devices. 2,916,394, 12-8-59, Cl. 117-33.5.
- Rychlewski, Thaddeus V., and R. F. Wilson, to Sylvania Electric Products Inc. Method of producing patterns. 2,872,316, 2-3-59, Cl. 96-35.
- Rychlewski, Thaddeus V., and R. F. Wilson, to Sylvania Electric Products Inc. Image display device. 2,898,225, 8-4-59, Cl. 117-33.5.
- Ryck, Francis M., to General Motors Corp. Windshield wiper blade. 2,915,769, 12-8-59, Cl. 15-245.
- Ryck, Francis M., to General Motors Corp. Windshield wiper transmission and arm assembly. 2,915,771, 12-8-59, Cl. 15-255.
- Rycraft, Dale, Jr., and R. B. Mortimer, to Peterson Mfg. Co., Inc. Apparatus for producing animal protein meals. 2,909,984, 10-27-59, Cl. 99-235.
- Ryd, Sven E., to Atlas Copco Aktiebolag. Pneumatic bolt applying and tightening tool. 2,910,901, 11-3-59, Cl. 81-52.3.
- Rydahl, Ernst A. H.: See—  
Bergstedt, Alf J. A., and Rydahl. 2,903,279.
- Rydebeck, Olof E. H. Electronic devices. 2,895,072, 7-14-59, Cl. 315-51.5.
- Rydboholms Aktiebolag: See—  
Corneliusson, Karl G. E., Damm, Landqvist, Linnarson, and Svensson. 2,892,470.
- Ryder, Anthony J., to The Grisco-Russell Co. Method of welding stainless steel and welded joints. 2,914,346, 11-24-59, Cl. 285-189.
- Ryder, David F., to E. I. du Pont de Nemours and Co. Azlating device. 2,869,838, 1-20-59, Cl. 259-9.
- Ryder, Elliott E., Jr.: See—  
Moore, Robert J., Ryder, and Jones. 2,913,412.
- Ryder, Elmer. Variable displacement pump. 2,899,903, 8-18-59, Cl. 103-120.
- Ryder, Frank A., to Stewart-Warner Corp. Automotive vehicle heating system. 2,880,718, 4-7-59, Cl. 126-116.
- Ryder, George R., to General Motors Corp. Windshield wiper assembly. 2,901,765, 9-1-59, Cl. 15-255.
- Ryder, Robert C., to American Cyanamid Co. Maleic anhydride production and catalyst therefor. 2,885,409, 5-5-59, Cl. 260-346.8.
- Ryding, Herbert C., Jr.: See—  
Christian, Maurice R., and Ryding. 2,914,812.  
Christian, Maurice R., and Ryding. 2,914,813.  
Christian, Maurice R., and Ryding. 2,914,814.
- Rydz, John S., to Radio Corp. of America. Cathode ray tube systems. 2,885,463, 5-5-59, Cl. 178-5.2.
- Rye, John K.: See—  
Kay, John G., and Rye. 2,873,019.
- Rye, Walter L., to The Cincinnati Gear Co. Workpiece loading and unloading mechanism. 2,910,919, 11-3-59, Cl. 90-1.
- Ryker, Don W., to Olin Mathieson Chemical Corp. Process for preparing propellant powder. 2,917,379, 12-15-59, Cl. 52-20.
- Ryland, Francis G.: See—  
Umbricht, Emil, and Ryland. 2,899,183.
- Rylander, Elern W.: See—  
Goertz, Raymond C., Ferguson, Rylander, and Safranski. 2,891,168.
- Rylander, John V. Window construction. 2,876,505, 3-10-59, Cl. 20-52.2.
- Rylander, Paul N.: See—  
Meyerson, Seymour, and Rylander. 2,880,250.
- Rylock Co., Ltd.: See—  
Rust, David J., and Jensen. 2,894,579.  
Rust, David J., and Jensen. 2,918,706.
- Rymer, Russell S.: See—  
Cross, Grosvenor M., and Rymer. 2,890,529.
- Rynders, Wesley B., to Phillips Petroleum Co. Cylinder cleaning rack. 2,878,507, 3-24-59, Cl. 15-304.
- Ryno, Juddson B.: See—  
Casey, Charles L., and Ryno. 2,885,051.
- Rypinski, Albert B., W. S. J. Smith, C. Brunner, and M. J. Laverty, to Murray Mfg. Corp. Electromagnetic circuit breaker. 2,890,306, 6-9-59, Cl. 200-87.
- Ryschewitsch, Eugene I., to United States of America. Air Force. Stabilization of zirconia. 2,910,371, 10-27-59, Cl. 106-57.
- Ryser, Gottlieb: See—  
Gerecke, Max, Ryser, and Zeller. 2,912,467.  
Guex, Waldemar, and Ryser. 2,870,208.
- Ryshavy, Rudolph L., to Bound Brook Oil-Less Bearing Co. Oil-impregnated bearing having molybdenum sulfide coating and method of making same. 2,893,793, 7-7-59, Cl. 308-240.
- Rystan Co.: See—  
Goldman, Benjamin. 2,917,433.
- Rywak, John, to Northern Electric Co., Ltd. Thyatron control circuit. 2,898,515, 8-4-59, Cl. 315-165.
- Ryznar, John W., to National Aluminate Corp. Finely divided metal-containing substances and process for the preparation thereof. 2,870,000, 1-20-59, Cl. 15-5.
- Ryznar, John W., to National Aluminate Corp. Treatment of metal surfaces in frictional contact to increase the friction therebetween. 2,877,716, 3-17-59, Cl. 104-1.
- Ryznar, John W., to National Aluminate Corp. Chemical method of bark removal in forestry by using boroselenates. 2,896,375, 7-28-59, Cl. 47-57.5.
- Rzasa, Michael J.: See—  
Morse, Richard A., and Rzasa. 2,881,838.
- Rzeminski, Walter S., to General Motors Corp. Paper packet processing machine. 2,911,131, 11-3-59, Cl. 225-100.
- Rzeppa, Alfred H. Universal joint. 2,902,844, 9-8-59, Cl. 64-21.
- Rzewinski, Leonard J.: See—  
Alexander, Laurence R., and Rzewinski. 2,891,479.
- S.A.G.A. Società per Azioni: See—  
Boschi, Antonio. 2,887,173.
- S.A.R.L. Realisations Ultrasoniques: See—  
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- S.A.S. Lavorazione Materie Plastiche (L.M.P.) di M. I. Colombo & C.: See—  
Colombo, Roberto. 2,902,716.  
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- S. A. T. A. M., Societe Anonyme pour Tous Appareillages Mecaniques: See—  
Blanchet, Andre F. M., and Meyer. 2,898,002.  
Carriol, Louis A. 2,871,894.  
Carriol, Louis A. 2,885,119.
- S-B Mfg. Co.: See—  
Schulz, Alfred J. and D. A. 2,877,036.
- S & C Electric Co.: See—  
Baker, Charles H. 2,880,289.  
Harner, Robert H. 2,877,322.  
Lindell, Sigurd I. 2,872,549.  
Lindell, Sigurd I., and Ferguson. 2,894,101.  
Mikos, John J. 2,917,608.  
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Mikos, John J. 2,918,556.
- S.D.S. Inc.: See—  
Lee, Helen. 2,883,988.
- S & E Mfg. Co.: See—  
Reavis, William J. 2,877,832.
- S. and F. Co., The: See—  
Kaplan, Shalom E. 2,894,708.
- S-J Chemical Co.: See—  
Smith-Johannsen, Robert. 2,891,228.
- SKB Schuchtermann & Kremer-Baum Akt. fur Aufbereitung: See—  
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- SKF Industries, Inc.: See—  
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- SKF Kugellagerfabriken Gesellschaft mit beschränkter Haftung: See—  
Dausch, Erwin. 2,867,652.  
Dausch, Erwin. 2,870,487.  
Dausch, Ernst. 2,900,675.  
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Fink, Heinrich. 2,896,395.  
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Steichele, Joseph. 2,905,979.
- S. L. F. Engineering Co.: See—  
Fuhrmann, Hans, and Schwabe. 2,891,438.
- S. N. Marep: See—  
Dicky, Leonide. 2,896,980.
- S. O. S. B-Skod I/S: See—  
Snitker, Jens C. 2,910,739.

- S.p.A. Cambi Idraulici Badalini: See—  
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- S. p. A. Fratelli Borietti: See—  
Moro, Antonio. 2,868,150.  
Moro, Antonio. 2,871,809.
- S & S Corrugated Paper Machinery Co., Inc.: See—  
Connolly, Francis A. 2,902,000.  
Shields, Albert F. 2,898,818.  
Shields, Albert F. 2,898,819.  
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- S.S.S. Gears Ltd.: See—  
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- S. U. Carburetter Co. Ltd., The: See—  
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- S. & W. Sewing Machine Attachment Co.: See—  
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- Saad, Albert A. One-piece self-closing container. 2,868,254, 1-13-59, Cl. 150-5.
- Saad, Theodore S., to Raytheon Mfg. Co. Directional coupler switches. 2,887,572, 5-19-59, Cl. 250-13.
- Saalfank, Royal B., to Milton Roy Co. Variable stroke mechanisms. 2,892,352, 6-30-59, Cl. 74-44.
- Saalfank, Royal B., to Milton Roy Co. Pump with sealing arrangement. 2,898,867, 8-11-59, Cl. 103-153.
- Saari, Oliver E., to Illinois Tool Works. Worm forming apparatus. 2,871,765, 2-3-59, Cl. 90-11.64.
- Saari, Oliver E., to Illinois Tool Works. Skew-axis gearing with plane tooth gear. 2,896,467, 7-28-59, Cl. 74-459.5.
- Saari, Oliver E., to Illinois Tool Works. Reduction gearing unit. 2,908,187, 10-13-59, Cl. 74-605.
- Saba, John M.: See—  
Atkinson, William J. 2,867,911.
- Sabaroff, Samuel. Radio frequency noise measurement systems. 2,883,616, 4-21-59, Cl. 324-57.
- Sabaroff, Samuel. Squelch system for communications receivers and the like. 2,892,079, 6-23-59, Cl. 250-20.
- Sabatini, John J., to Bendix Aviation Corp. Starter gearing for internal combustion engines. 2,882,733, 4-21-59, Cl. 74-6.
- Sabatini, John J., to Bendix Aviation Corp. Dental type of over-running clutch and control mechanism therefor. 2,906,382, 9-29-59, Cl. 192-41.
- Sabatino, Anthony, and J. F. Schaefer, to Globe-Union Inc. Method and apparatus for making dry charged batteries. 2,911,457, 11-3-59, Cl. 136-33.
- Sabee, Reinhardt N., to Circle Machinery & Supply Co. Machine for forming and filling foil packets. 2,913,862, 11-24-59, Cl. 53-53.
- Sabel, Edward R.: See—  
Bull, Glen C., Marlen, and Sabel. 2,913,973.
- Sabel, Edward R., and F. I. Galbrecht, to Haloid Xerox Inc. Photographic material processing apparatus. 2,913,974, 11-24-59, Cl. 95-94.
- Sabel, Richard H., to Flexonics Corp. Shell molding apparatus. 2,887,741, 5-26-59, Cl. 22-32.
- Saberton, Frederick R., to Metalastik Ltd. Shaft assemblies. 2,869,340, 1-20-59, Cl. 64-11.
- Sabins Dohrmann, Inc.: See—  
Sabins, Rolland C. 2,903,405.  
Sabins, Rolland C. 2,904,489.  
Sabins, Rolland C. 2,918,420.
- Sabins, Rolland C., to Sabins Dohrmann, Inc. Corrosion prevention system. 2,903,405, 9-8-59, Cl. 204-197.
- Sabins, Rolland C., to Sabins Dohrmann, Inc. Anode mounting apparatus. 2,904,489, 9-15-59, Cl. 204-197.
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- Sabins, Rolland C., to Sabins Dohrmann, Inc. Electrolytic system. 2,918,420, 12-22-59, Cl. 204-196.
- Sable, Arthur J.: See—  
Glichrist, Edgar S., and Sable. 2,913,672.  
Roper, Charles G., Glichrist, and Sable. 2,898,543.
- Sabo, Julius J., and H. E. Butler, to General Motors Corp. Method for molding a ball-like article. 2,908,941, 10-20-59, Cl. 18-59.
- Sabo, Stephen C., to The General Tire & Rubber Co. Air spring vulcanizing mold. 2,895,168, 7-21-59, Cl. 18-35.
- Saboe, Michael S., to United States of America. Navy. Afterburner design, vaporizing type. 2,867,085, 1-6-59, Cl. 60-39.71.
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- Sabol, Albert R., and R. E. Karil, to Standard Oil Co. Preparation of alkaline earth salts of phosphorus sulfide-hydrocarbon reaction products. 2,875,189, 2-24-59, Cl. 260-139.
- Sabol, Albert R., and R. Q. Little, Jr., to Standard Oil Co. Hydrolysis of phosphorus sulfide-hydrocarbon reaction product. 2,900,376, 8-18-59, Cl. 260-139.
- Sabre Metal Products, Inc.: See—  
Polich, Anthony. 2,878,033.
- Sabre Research Corp.: See—  
Thompson, Tom H. 2,889,781.  
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- Sabreen, Bernard S.: See—  
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Hollander, Julius, and Sabreen. 2,897,593.
- Sabuda, Josef: See—  
Converse, Vernon G., III, Seymour, Hohisel, and Sabuda. 2,884,113.
- Sabula, George, to John W. Collier Co., Inc. Brailder carrier. 2,881,653, 4-14-59, Cl. 87-56.
- Saby, John S., to General Electric Co. Evaporative cooling system for electrical devices. 2,886,746, 5-12-59, Cl. 317-234.
- Saccardo, Pietro: See—  
Cevadalli, Goldobaldo, Marchi, and Saccardo. 2,902,344.
- Saccardo, Pietro, to Sincat Società Industriale Catanese S.p.A. Process for the preparation of hydrous potassium magnesium sulfate from kainite containing sodium chloride. 2,902,343, 9-1-59, Cl. 23-121.
- Sacchi, Edward M.: See—  
Aterno, Joseph P., Luther, Hawley, and Sacchi. 2,908,609.
- Sacchini, Columbus R., to Curtiss-Wright Corp., Marquette Metal Products Division. Making clutch spring anchor portions. 2,901,071, 8-25-59, Cl. 192-41.
- Sacchini, Columbus R., and D. R. Tomko, to Curtiss-Wright Corp., Marquette Metal Products Division. Bidirectional no-back couplings. 2,881,881, 4-14-59, Cl. 192-8.
- Sacco, Louis J., Jr.: See—  
Kent, Eugene A., and Sacco. 2,901,370.
- Saccomanno, Geno. Bottle cap. 2,911,123, 11-3-59, Cl. 215-48.
- Saccucci, Maria L.: See—  
Petrelli, Arnaldo. 2,903,317.
- Sachaczinski, Stanley F., to Philco Corp. Drying apparatus. 2,903,799, 9-15-59, Cl. 34-45.
- Sacharow, Maurice H. Attaching bracket for furniture legs and the like. 2,905,422, 9-22-59, Cl. 248-188.
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- Sachs, Walter S., & Co., Inc.: See—  
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- Sachsenroder, Gustav, Sr., and T. Schroder. Knot-tying apparatus. 2,913,270, 11-17-59, Cl. 289-2.
- Sachsenroder, Gustav, Sr., and T. Schroder. Loop-forming and knot-tying device. 2,913,271, 11-17-59, Cl. 289-2.
- Sack, Edgar A., Jr.: See—  
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- Sack, Edgar A., Jr., to Westinghouse Electric Corp. Display systems. 2,917,667, 12-15-59, Cl. 315-169.
- Sack, Joel, to Baldwin-Lima-Hamilton Corp. Loading apparatus for horizontal metal working machines. 2,900,090, 8-18-59, Cl. 214-1.
- Sack, Joel, to Baldwin-Lima-Hamilton Corp. Handling device for feeding tools to a metal working machine. 2,900,095, 8-18-59, Cl. 214-95.
- Sack, Lewis H. Bird feeder. 2,890,681, 6-16-59, Cl. 119-52.
- Sack, Werner, to Jenaer Glaswerk Schott & Gen. Method of producing structural parts of a combination of glass and plastics. 2,908,591, 10-13-59, Cl. 117-124.
- Sacket Sporting Goods Co.: See—  
Blees, William A. 2,895,737.
- Sackett, A. J., & Sons Co., The: See—  
Sackett, Walter J. 2,871,510.  
Sackett, Walter J. 2,877,956.
- Sackett, Charles E. Artificial limbs. 2,897,512, 8-4-59, Cl. 3-22.
- Sackett, Loren C., to B. Walker. Safety engine analyzer synchronizer. 2,907,948, 10-6-59, Cl. 324-16.
- Sackett, Robert L. Anti-skid water ski. 2,918,684, 12-29-59, Cl. 9-310.
- Sackett, Walter J., to The A. J. Sackett & Sons Co. Granulator. 2,871,510, 2-3-59, Cl. 18-1.
- Sackett, Walter J., to The A. J. Sackett & Sons Co. Dual purpose mill. 2,877,956, 3-17-59, Cl. 241-189.
- Sackin, Milton: See—  
Gill, Joseph, and Sackin. 2,873,320.
- Sacks, Bernard. System for utilizing heat removed from a refrigerated space. 2,883,836, 4-28-59, Cl. 62-196.
- Sacks, Jacob M.: See—  
Pawley, Myron G., and Sacks. 2,881,244.
- Sackur, Otto: See—  
Debay, Andre, and Sackur. 2,899,449.
- Saco-Lowell Shops: See—  
Anderson, Gordon C., and Hopkinson. 2,898,729.  
Hill, Clarence W., and Hopkinson. 2,870,597.  
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Pray, Lester W. 2,867,006.
- Sacony Foundations, Inc.: See—  
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- Sacre, Leo D., to Motorola, Inc. Tuning mechanism. 2,877,351, 3-10-59, Cl. 250-40.
- Saczawa, Matthew F.: See—  
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Budney, Michael P., H. S. and T. W., and Saczawa. 2,911,885.



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- Sadin, Sidney A.: See—  
Freedman, Louis, Merritt, and Sadin. 2,888,381.
- Sadler, Alexander G. Offset bender. 2,908,317, 10-13-59, Cl. 153-39.
- Sadler, Carl L., R. H. Eisengrein, and G. G. Hermanson, to Sundstrand Machine Tool Co. Control means. 2,885,566, 5-5-59, Cl. 307-57.
- Sadler, James E.: See—  
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- Sadler, Peter, to N.G.N. Electrical Ltd. Diffusion vacuum pumps. 2,899,126, 8-11-59, Cl. 230-101.
- Sadolin & Holmblad A/S: See—  
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- Sadowsky, Charles, to Milrose Sales Corp. Folding table with hinged top. 2,887,348, 5-19-59, Cl. 311-80.
- Sadowsky, Maurice J., Jr.: See—  
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- Sadowsky, Meier, to Philco Corp. Vibration or shock detecting device. 2,892,950, 6-30-59, Cl. 250-217.
- Sadowsky, Meier, and S. L. Parsons, to Philco Corp. Method of manufacturing electrical apparatus. 2,870,010, 1-20-59, Cl. 96-35.
- Sadtler, Philip B., to Chicago Bridge & Iron Co. Method and apparatus for recompression evaporation. 2,895,546, 7-21-59, Cl. 159-24.
- Saegert, Marie S.: See—  
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- Saeks, Alvin L. Moth preventive and deodorant dispensers. 2,878,061, 3-17-59, Cl. 299-24.
- Saeman, Walter C. Rotary furnace installations and method of processing charges therein. 2,878,004, 3-17-59, Cl. 263-32.
- Saeman, Walter C., to Olin Mathieson Chemical Corp. Crystallization. 2,883,273, 4-21-59, Cl. 23-295.
- Safarik, Norman E., and H. B. Loughheed. Trap for crustaceans. 2,910,801, 11-3-59, Cl. 43-105.
- Safe Flight Instrument Corp.: See—  
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- Safe Stop Corp.: See—  
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- Safe-Pack Container Co.: See—  
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- Safer Electronic Fire Alarm, Inc.: See—  
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- Safetee Glass Co.: See—  
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- Safe-T-Systems Corp.: See—  
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- Safety Automatic Brake Corp.: See—  
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- Safety Bath Rail, Inc.: See—  
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- Safety Electrical Equipment Corp.: See—  
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- Safety Industries, Inc.: See—  
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- Safeway Stores, Inc.: See—  
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- Saffer, Alfred, and R. Landau, to Mid-Century Corp. Chemical process. 2,909,575, 10-20-59, Cl. 260-671.
- Saffir, Jacob A., to The Dentists' Supply Co. of New York. Artificial teeth. 2,888,747, 6-2-59, Cl. 32-8.
- Saffir, Jacob A., to The Dentists' Supply Co. of New York. Clasps for denture prosthesis. 2,889,625, 6-9-59, Cl. 32-5.
- Saffir, Jacob A. Projection screen. 2,906,169, 9-29-59, Cl. 88-28.9.
- Saffer, John L., to Chrysler Corp. Snap clip. 2,876,515, 3-10-59, Cl. 24-73.
- Safford, Lewis A., to The New York Air Brake Co. Dual brake cylinder with lock. 2,873,579, 2-17-59, Cl. 60-97.
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- Safford, Moyer M., to General Electric Co. Thermostabilization of polyvinyl chloride with heavy metal containing zeolites. 2,867,605, 1-6-59, Cl. 260-45.75.
- Safford, Moyer M., to General Electric Co. Polyethylene composition containing organopolysiloxane resin. 2,888,419, 5-26-59, Cl. 260-29.1.
- Safford, Moyer M., and R. L. Myers, to General Electric Co. Blends of organopolysiloxane, polybutadiene and di-*o*-cumyl peroxide and method of curing same. 2,867,603, 1-6-59, Cl. 260-45.5.
- Safranoff, Albert: See—  
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- Safraneck, William H.: See—  
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- Safraneck, William H., and H. R. Miller, to American Zinc Institute. Zinc plating. 2,905,603, 9-22-59, Cl. 204-55.
- Safranski, Lenard M.: See—  
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- Safstrom, Gustaf A. Nasal air filter. 2,890,695, 6-16-59, Cl. 128-148.
- Saf-T-Brake Valve Co., Inc.: See—  
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- Sagady, Alexander J.: See—  
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- Sage, Cleo B.: See—  
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- Sage, Paul, to Societe a responsabilite limitee: "Societe des Mecaniques Verdol." Double twist spindles. 2,873,570, 2-17-59, Cl. 57-58.72.
- Sage, Richard W.: See—  
Hemminger, Charles E., Welty, Taff, and Sage. 2,901,415.
- Sage, Robert A.: See—  
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- Sage, Robert H.: See—  
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- Sage, Roy D., to Atomic Energy of Canada Ltd. Valve for use with radioactive fluids. 2,883,145, 4-21-59, Cl. 251-61.
- Sage, Stanley J., and E. H. Dana. Safety lock for doors. 2,874,988, 2-24-59, Cl. 292-347.
- Sage, Warrin L.: See—  
Gram, Arthur J., Jr., and Sage. 2,891,493.
- Sage, Warren F.: See—  
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- Sager, Karl E. Editor for sound recording and reproducing devices. 2,901,548, 8-25-59, Cl. 179-100.1.
- Sager, Leonard H., to Soriano Ceramics, Inc. Display package unit. 2,878,933, 3-24-59, Cl. 206-79.
- Saggese, Benjamin J.: See—  
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- Saggese, Edward J.: See—  
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- Saginaw Furniture Shops, Inc.: See—  
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- Saginaw Wire Products Inc.: See—  
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- Staples, Lynn W. 2,870,823.
- Staples, Lynn W., and Strout. 2,875,818.
- Sagura, John J.: See—  
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- Sahagian, Edward H. Hydraulic stabilizing system for vehicles. 2,869,892, 1-20-59, Cl. 280-124.
- Sahagian, Edward H. Stabilizing means for the air springs of an automobile. 2,869,893, 1-20-59, Cl. 280-124.
- Sahagian, Armen N., to Pacific Semiconductors, Inc. Vibratory feeder. 2,908,376, 10-13-59, Cl. 198-33.
- Sahaydak, Mirosław: See—  
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- Sahlberg, Carl G. L., to Aktiebolaget Bofors. Cartridge guiding device. 2,907,251, 10-6-59, Cl. 89-47.
- Sabolt, Orville J., to United States of America, Navy. Pressure-actuated stepping switch. 2,875,292, 2-24-59, Cl. 200-82.
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- Sahula, George J., to Sheller Mfg. Corp. Steering wheel. 2,905,019, 9-22-59, Cl. 74-493.
- Sahyun Laboratories: See—  
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- Sahyun, Melville: See—  
Faust, John A., and Sahyun. 2,919,274.
- Sahyun, Melville, to Chas. Pfizer & Co., Inc. Pharmaceutical composition containing 2-(1,2,3,4-tetrahydro-1-naphthyl)-imidazole. 2,890,984, 6-16-59, Cl. 167-65.
- Sala A.G.: See—  
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- Sala, Anthony: See—  
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- Salberlich, Erwin W., to Fox River Tractor Co. Material feed mechanism for sand and chip spreaders. 2,891,655, 6-23-59, Cl. 198-64.
- Saidel, William R., to Foll Cartons, Inc. Reclosable cartons. 2,907,511, 10-6-59, Cl. 229-17.
- Sailor, George E. Supplementary room structure for a house trailer. 2,913,775, 11-24-59, Cl. 20-2.
- Saint, Nathanael. Auxiliary fuel system. 2,867,395, 1-6-59, Cl. 244-135.
- St. Anne's Board Mill Co. Ltd.: See—  
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Thomas, Reginald J. 2,881,668.  
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- St. Clair, Theodore A., to The Weatherhead Co. Appliance regulator. 2,904,068, 9-15-59, Cl. 137-505.41.
- St. Clair, Theodore A., and R. C. Krall, to The Weatherhead Co. Pressure regulator. 2,898,930, 8-11-59, Cl. 137-116.3.
- St. Clair, William E., to Koppers Co., Inc. Epoxy resins. 2,892,809, 6-30-59, Cl. 260-54.
- St. Clair, William E., to Koppers Co., Inc. Process for preparing epoxyalkyl aryl ethers. 2,892,849, 6-30-59, Cl. 260-345.6.
- St. Cyr, William H., Sr.: See—  
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- St. Francis Valley Farms Co.: See—  
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- Saint-Frison, Louis H. N.: See—  
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- St. George, Ernest C., to Kenneth D. Clardy. Identification camera. 2,916,977, 12-15-59, Cl. 95-18.
- St. Germain, Wilfrid H., to Aerosol Research Co. Aerosol valve. 2,881,808, 4-14-59, Cl. 141-21.
- Saint-Hilaire, Albert B., to Pyral Societe Anonyme. Apparatus for the deposit of a coating on a flexible band and in particular for the deposit of magnetic sound tracks on cinematographic films. 2,891,506, 6-23-59, Cl. 118-415.
- St. Hilaire, Joseph L., 50% to B. J. Stansbury Inc. Hair clip. 2,888,935, 6-2-59, Cl. 132-48.
- St. John, Alexander N. T., and B. M. Walker, to Resistoflex Corp. Reinforced polytetrafluoroethylene pipe and method of making it. 2,888,042, 5-26-59, Cl. 138-55.
- St. John, Andrew D.: See—  
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- St. John, Dale E.: See—  
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- St. John, Grant E.: See—  
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- St. John, John H., to Hoyer Industries, Inc. Trace brightening circuit. 2,875,402, 2-24-59, Cl. 324-16.
- St. John, John H., to Hoyer Industries, Inc. Sweep circuit. 2,887,613, 5-19-59, Cl. 315-26.
- St. John, Sylvester L., to Dike, Thompson & Sanborn. Method of making a pile fabric. 2,902,397, 9-1-59, Cl. 154-78.
- St. John, Willard M., Jr.: See—  
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- St. John, William, and T. A. Hoffmann, to Westinghouse Electric Corp. Fine wire drawing furnace. 2,908,490, 10-13-59, Cl. 263-3.
- St. John's University: See—  
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- St. Johnston, Andrew, to International Business Machines Corp. Electronic digital computing machines. 2,895,671, 7-21-59, Cl. 235-157.
- St. Laurent, Herbert L. Transport mechanism. 2,903,958, 9-15-59, Cl. 99-336.
- St. Marie, Hilaire F.: See—  
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- Sainton, Joseph B.: See—  
Bullock, Mark W., and Sainton. 2,918,631.
- St. Palley, Stephen L. Automatic gunsight. 2,906,160, 9-29-59, Cl. 88-22.
- St. Palley, Zoltan O. Cast insert for die. 2,890,506, 6-16-59, Cl. 22-196.
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- St. Pierre, Eugene, to Hemphill Co. Yarn control mechanism for knitting machines. 2,881,607, 4-14-59, Cl. 66-140.
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- St. Pierre, Eugene, to Hemphill Co. Pick for knitting machines. 2,898,752, 8-11-59, Cl. 66-48.
- St. Pierre, Henry. Animal feeder construction. 2,914,023, 11-24-59, Cl. 119-52.
- St. Regis Paper Co.: See—  
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- Sainty, Christopher L., to Structural Concrete Components Ltd. Composite floor structure. 2,892,341, 6-30-59, Cl. 72-68.
- Salt, Louis, to The Griffith Laboratories, Inc. Proteinaceous soy composition and method of preparing. 2,881,076, 4-7-59, Cl. 99-14.
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- Sajeck, George. Gas demand equipment. 2,893,386, 7-7-59, Cl. 128-142.
- Sakagami, Tomihel. Driving mechanism capable of transmitting swinging and feathering motions. 2,871,710, 2-3-59, Cl. 74-70.
- Sakamoto, Tutae: See—  
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- Sakata, George, and J. D. Powers, to The Black-Clawson Co. Refiner control system. 2,887,277, 5-19-59, Cl. 241-256.
- Sakata, Rikita: See—  
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- Sakornbut, Songe S., to Monsanto Chemical Co. Preservative composition comprising tetraalkali metal pyrophosphate, a polychlorophenolate and a heavy metal salt. 2,904,466, 9-15-59, Cl. 167-38.5.
- Sakowski, Walter J.: See—  
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- Sakrinda, Carl R., and R. H. Wellman, to General Motors Corp. Free piston construction. 2,880,709, 4-7-59, Cl. 123-46.
- Saks, David and F., to Candlestick Flower Arranger, Inc. Candlestick flower arranger. 2,876,587, 3-10-59, Cl. 47-41.
- Saks, Fay: See—  
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- Saks, William W., to Vitro Corp. of America. Multivibrator. 2,880,322, 3-31-59, Cl. 250-36.
- Sakurai, Ryochi, T. Tanabe, and H. Nagao. Synthetic fiber preparation. 2,902,335, 9-1-59, Cl. 18-54.
- Sala, Antillo. Self-regulating circulating and cooling system. 2,887,308, 5-19-59, Cl. 261-36.
- Saladrigas, Francisco. Transit. 2,915,827, 12-8-59, Cl. 33-72.
- Salak, Michael: See—  
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- Salathiel, Richard A.: See—  
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- Salava, Frank R. Artificial denture. 2,909,836, 10-27-59, Cl. 32-2.
- Salbeck, Raymond E., and F. H. Drummond, Jr., deceased, by N. Drummond, administratrix, to Western Electric Co., Inc. Loading and unloading apparatus for a press. 2,910,727, 11-3-59, Cl. 18-16.
- Saldarini, Albert: See—  
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- Sale, Anthony E.: See—  
Wright, Peter M., and Sale. 2,914,669.
- Sale, William H., to Klasing Hand Brake Co. Railway journal boxes. 2,878,081, 3-17-59, Cl. 308-88.
- Sale, William H., to Klasing Hand Brake Co. Lubricating means for car axles. 2,886,381, 5-12-59, Cl. 308-88.
- Sale, William H., to Klasing Hand Brake Co. Devices for retaining lubricant in car axle bearings. 2,895,749, 7-21-59, Cl. 286-5.
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- Salem-Brosius, Inc.: See—  
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- Salem Calking Co.: See—  
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- Salem, Samuel, to The General Tire and Rubber Co. Method for treating fiber cords. 2,895,664, 8-11-59, Cl. 28-76.
- Salem, Samuel, R. E. Bingham, and D. Anderson, to The General Tire and Rubber Co. Cord fabric with removable weft thread. 2,898,665, 8-11-59, Cl. 28-78.
- Salem Tool Co., The: See—  
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- Salengro, Paul A. Power-driven tools. 2,899,934, 8-18-59, Cl. 121-13.
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- Salerno, Joseph R. Door assembly in a vending machine for frozen confections. 2,901,305, 8-25-59, Cl. 312-35.
- Salerno, Joseph R. Feed mechanism for containers. 2,915-219, 12-1-59, Cl. 221-113.
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- Salgo, Francis J., to General Electrodynamics Corp. Bulb and bulb spacer for camera tube. 2,897,389, 7-28-59, Cl. 313-65.
- Salick, Ralph A. Christmas-tree support having tree top fastening means. 2,909,356, 10-20-59, Cl. 248-361.
- Salisbury, Alvin B., Jr., to Ankh Laboratories, Inc. Apparatus for testing metabolic agents. 2,871,168, 1-27-59, Cl. 195-139.
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- Salisbury, Clifton A., to H. B. Egan Mfg. Co. Clamping apparatus. 2,894,283, 7-14-59, Cl. 18-18.
- Salisbury, Ellsworth C., to Mundean Mfg. Co. Dispenser. 2,913,142, 11-17-59, Cl. 221-105.
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 Sampson, Richard E., to Bigelow-Liptak Corp. Furnace wall. 2,870,624, 1-27-59, Cl. 72-101.  
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 Feldman, Herman, and Sams. 2,870,809.  
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- Saris, Aris P.: See—  
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- Sark, Ward T., to Haggard & Marcussen Co. Adjustable headboard clamping device. 2,907,054, 10-6-59, Cl. 5-298.
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- Sarkar, Asim K.: See—  
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- Sarko, Anatole: See—  
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- Sarles, George A. Helmet radios including a transistor amplifier. 2,904,645, 9-15-59, Cl. 179-171.
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- Sarno, Dante H.: See—  
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- Sarno, Dante H., to Shell Development Co. Process for upgrading of straight run gasolines by a combination of catalytic reforming and isomerization. 2,913,393, 11-17-59, Cl. 208-79.
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- Sarong, Inc.: See—  
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- Sartor, Raymond W., to Dresser Operations, Inc. Rock bit. 2,885,185, 5-5-59, Cl. 255-313.
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- Sass, Karl, to International Standard Electric Corp. Arrangement for assessing charges in telephonic P.B.X. systems. 2,887,537, 5-19-59, Cl. 179-7.1.
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- Sassaman, John R.: See—  
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- Savage, Richard M., to General Electric Co. Process for the preparation of flame-retardant silicone rubber and composition thereof. 2,891,033, 6-16-59, Cl. 260-37.
- Savage, Robert H., and R. Schultz, to Knoll Associates, Inc. Supporting structure. 2,900,014, 8-18-59, Cl. 155-196.
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- Sawyers, Charlie F., to Sawyers Furniture Co., Inc. Sectional seating furniture. 2,914,118, 11-24-59, Cl. 155-196.
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- Scavetto, Samuel M. Curtain tieback device. 2,867,873, 1-13-59, Cl. 24-73.
- Scavullo, Angelo C., to V. K., C., and F. Scavullo, M. S. Saegert, and M. S. Scott. Production of silver-plated stainless steel ware. 2,878,172, 3-17-59, Cl. 204-40.
- Scavullo, Charles: See—  
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- Scavullo, Frank: See—  
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- Seelzo, Frank, Jr. Golf practice device. 2,894,755, 7-14-59, Cl. 273-192.
- Schaaber, Otto. Casting process. 2,877,525, 3-17-59, Cl. 22-200.1.
- Schaad, Raymond E., to Universal Oil Products Co. Nitro-hydrocarbon gels. 2,891,852, 6-23-59, Cl. 52-5.
- Schaaf, Edward J.: See—  
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- Schaaf, Robert P., to The M. W. Kellogg Co. Unitary vessel catalytic reactor, regenerator and vacuum stripper. 2,895,811, 7-21-59, Cl. 23-288.
- Schaaf, Willard A., and L. E. Simes, II, to Whirlpool Corp. Pilotless ignition device and system for the safe ignition of gases and vapors. 2,869,633, 1-20-59, Cl. 158-128.
- Schaafsma, Albert: See—  
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- Schaafsma, Bernard R., and O. Ratsep, to Colgate-Palmolive Co. Process for the preparation of granular compositions. 2,874,123, 2-17-59, Cl. 252-99.
- Schaale, Robert G.: See—  
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- Schaap, Ward R., to United States of America, Atomic Energy Commission. Recovery of uranium values from residues. 2,900,226, 8-18-59, Cl. 23-14.5.
- Schaap, Willem F. C., to The Babcock & Wilcox Co. Vapour generating and vapour heating unit. 2,905,154, 9-22-59, Cl. 122-478.
- Schaber, Donald R.: See—  
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- Schaberg, Johannes G., to Minneapolis-Honeywell Regulator Co. Gyroscopic devices. 2,876,643, 3-10-59, Cl. 74-5.7.
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- Schachner, Kurt, and H. Stieger. Water-borne motor-powered towing device for control by a waterskier. 2,914,018, 11-24-59, Cl. 115-6.1.
- Schacht, Clifford A., Jr., to Overhead Door Corp. Upwardly acting door assembly. 2,869,637, 1-20-59, Cl. 160-201.
- Schacht, Elmer C. Colostomy device. 2,914,065, 11-24-59, Cl. 128-283.
- Schacht, Gunter H., to General Telephone Laboratories, Inc. Rotary switch. 2,894,096, 7-7-59, Cl. 200-105.
- Schacht, Wilhelm: See—  
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- Schachte, John H. Automatic weighing and loading apparatus. 2,903,230, 9-8-59, Cl. 249-58.
- Schachtel, Irving L., to Sonotone Corp. Portable radio broadcast receiver with removable speaker. 2,878,375, 3-17-59, Cl. 250-16.
- Schack, Alfred, to Rekuperator K-G, Dr.-Ing. Schack & Co. Radiation recuperators. 2,917,285, 12-15-59, Cl. 257-246.
- Schackmann, Heinrich: See—  
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- Schade, E. D.: See—  
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- Schade, Harold J. G., to Passavant Werke. Combined rake and crushing system. 2,910,181, 10-27-59, Cl. 210-162.
- Schade, Hubert, and M. Thiel, to VEB Leuna-Werke "Walter Ulbricht". Process of preparing 3-thiazolines. 2,886,571, 5-12-59, Cl. 280-306.7.
- Schade, Georg, K.-G.: See—  
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- Schade, Harold J. G., to Passavant Werke. Crushing machine. 2,911,099, 11-3-59, Cl. 210-174.
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- Schaeffer, Raymond J., to Chicago Pneumatic Tool Co. Core box vibrator. 2,880,974, 4-7-59, Cl. 259-1.
- Schaefer, Arthur E., to Waugh Equipment Co. Journal lubricators. 2,907,613, 10-6-59, Cl. 305-243.
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- Schaefer, Earl F., to Owens-Illinois Glass Co. Protective coating for decorated glassware and method of application. 2,895,846, 7-21-59, Cl. 117-12.
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- Schaefer, Edward J. Plugging of single phase motors. 2,886,756, 5-12-59, Cl. 318-210.
- Schaefer, Edward J. Cable connector. 2,906,986, 9-29-59, Cl. 339-60.
- Schaefer, Edward J. Motor pump unit. 2,915,978, 12-8-59, Cl. 103-87.
- Schaefer, Emil M. Partitioned carton. 2,899,122, 8-11-59, Cl. 229-28.
- Schaefer, Emmett A. Mop having removable pocket-type mop head. 2,908,931, 10-20-59, Cl. 15-228.
- Schaefer, Frederic C., to American Cyanamid Co. Preparation of mono-substituted s-triazines. 2,878,250, 3-17-59, Cl. 260-248.
- Schaefer, Frederic C., and L. A. Landers, to American Cyanamid Co. Dioxo-bis-guanamines and resins therefrom. 2,901,464, 8-25-59, Cl. 260-67.6.
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- Schaefer, Hans F., Jr., and F. Pulsifer, to United Shoe Machinery Corp. Sewing machine thread take-up. 2,903,985, 9-15-59, Cl. 112-57.
- Schaefer, Harold W., and F. W. Edwards, to Philco Corp. Apparatus for treating foodstuffs. 2,906,104, 9-29-59, Cl. 62-264.
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- Schaefer, James C.: See—  
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- Schaefer, Ralph A., to Clevite Corp. Bearing and method of making same. 2,902,748, 9-8-59, Cl. 29-149.6.
- Schaefer, Robert J., to Johnson & Johnson. Corrugated dressing. 2,896,618, 7-28-59, Cl. 128-156.
- Schaefer, Robert L., to Republic Molding Corp. Utility containers. 2,916,161, 12-8-59, Cl. 211-126.
- Schaefer, Wilbur J., to The Interior Steel Equipment Co. Door latch mechanism. 2,912,271, 11-10-59, Cl. 292-336.3.
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- Schaeffgen, John R.: See—  
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- Schae, Glenn R., to Bradley Mining Co. Antimony plating process. 2,918,414, 12-22-59, Cl. 204-29.
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- Schae, Glenn R., and J. G. Beach, to United States of America, Navy. Protective metal coatings for molybdenum. 2,886,499, 5-12-59, Cl. 204-41.
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- Schaevitz, Charles S., to Schaevitz Bros., Inc. Recapping machine. 2,872,704, 2-10-59, Cl. 18-18.
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- Schaefer, Bertram. Deodorizing device. 2,873,488, 2-17-59, Cl. 21-108.
- Schaefer, Curtiss R., to The Liquidometer Corp. Compensated fuel gage bridge. 2,867,120, 1-6-59, Cl. 73-304.
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- Schäfer, George. Windshield wiper with magnetically actuated flexible blade. 2,893,041, 7-7-59, Cl. 15-253.



- Schafer, John P., to Bell Telephone Laboratories, Inc. Gyromagnetic polarizing device. 2,907,964, 10-6-59, Cl. 333-98.
- Schäfer, Kugelscher Georg & Co.: See—  
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- Schafer, Werner, R. Wegler, and L. Eue, to Farbenfabriken Bayer Akt. 3-furfurylidene-amino-1,2,4-triazole and process for producing same. 2,870,144, 1-20-59, Cl. 260-240.
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- Schaffer, Arthur. Mixer valve. 2,893,429, 7-7-59, Cl. 137-625.41.
- Schaffer, Herman W., and W. Spelcher, to General Electric Co. Brush mechanism. 2,894,239, 7-7-59, Cl. 339-8.
- Schaffer, Norman G., to Western Electric Co., Inc. Covers for automotive vans. 2,882,093, 4-14-59, Cl. 296-137.
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- Schafroth, Werner. Movable stapling head and mounts therefor. 2,900,637, 8-25-59, Cl. 1-13.
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- Schagen, Pieter, to North American Philips Co., Inc. Television camera tube. 2,887,611, 5-19-59, Cl. 315-11.
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- Schalch, Wilbur A., to Owens-Illinois Glass Co. Ball applicator having shiftable ball support. 2,913,746, 11-24-59, Cl. 15-132.7.
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- Schake, Richard P.: See—  
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- Schalk, Robert F., to Western Electric Co., Inc. Capacitor-charging systems. 2,891,209, 6-16-59, Cl. 320-1.
- Schall, Elmer J., to Bendix Aviation Corp. Method of forming anchoring clutch for two-speed coaster brake. 2,875,509, 3-3-59, Cl. 29-159.2.
- Schaller, Francis X., Jr.: See—  
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- Schaller, Harold G. Double lobe cam shaft. 2,877,752, 3-17-59, Cl. 123-90.
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- Schaller, John, Jr., H. Thau, and J. K. Duncan, to American Photocopy Equipment Co. Procedure and apparatus for making a blinding element having nested fingers. 2,910,729, 11-3-59, Cl. 18-19.
- Schallus, Erich, and A. Gotz, to Knapsack-Griesheim Aktiengesellschaft. Process for carrying out endothermic reactions at high temperatures. 2,916,534, 12-8-59, Cl. 260-679.
- Schalm, Oscar W., and D. O. Noorlander, to The Regents of The University of California. Milking machine and teat cup assembly therefor. 2,896,573, 7-28-59, Cl. 119-14.36.
- Schamber, Alice M. Girdle. 2,904,048, 9-15-59, Cl. 128-540.
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- Schanda-Seyferth, Maria. Cover or blanket convertible into a coat. 2,911,648, 11-10-59, Cl. 2-69.
- Schandroch, Josef, to H. W. Meyer. Process of and apparatus for the continuous manufacture of cellulose or hemcellulose from cellulosic fibrous materials. 2,876,098, 3-3-59, Cl. 92-6.
- Schane, Philip, Jr., and W. U. Taylor, to United States Steel Corp. Open-hearth steelmaking process. 2,878,115, 3-17-59, Cl. 75-52.
- Schankler, Harold, to The F. R. Corp. Electrical photoflash device. 2,894,174, 7-7-59, Cl. 315-230.
- Schantz, Socrates J. Folding canopy for vending stand trailers. 2,896,706, 7-28-59, Cl. 160-62.
- Schaper, Otto F. Carrier landing trainer. 2,883,763, 4-28-59, Cl. 35-12.
- Schaper, William A., to Motorola, Inc. Transistor unit. 2,869,053, 1-13-59, Cl. 317-235.
- Schapiro, Abraham, to The Shasta Water Co. Effervescent drink concentrate and method of making same. 2,868,646, 1-13-59, Cl. 99-78.
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- Schardt, Rudolf, to Dresser Industries, Inc. Motion transmitting members. 2,887,890, 5-26-59, Cl. 74-110.
- Scharein, Otto H. Apparatus for sorting pipes and the like according to length. 2,907,458, 10-6-59, Cl. 209-82.
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- Scharfen, Hans H., to Hermann Scharfen, Maschinenfabrik. Disc slicing machine for foods. 2,912,026, 11-10-59, Cl. 146-102.
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- Scharmer, George A. Stainless sheet metal work surfaces. 2,884,649, 5-5-59, Cl. 4-187.
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- Scharringhausen, Paul J. Portable vacuum nozzle for filling tanks. 2,882,935, 4-21-59, Cl. 141-43.
- Scharstein, Ernst, K. Lutz, and H. Falkenberg, to Siemens-Schuckertwerke Akt. Alternating-current systems with intermittently operating squirrel-cage motors energized from synchronous alternators. 2,887,641, 5-19-59, Cl. 318-148.
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- Schaub, Franz, W. von Hoffmann, O. Roelen, and W. Drope, to Ruhrchemie Aktiengesellschaft. Drying of divided solid materials. 2,911,730, 11-10-59, Cl. 34-57.
- Schaub, Lisle C., and J. F. Blaski, to Kaiser Aluminum & Chemical Corp. Panel assembly. 2,887,192, 5-19-59, Cl. 189-34.
- Schaub, Robert E., and M. J. Weiss, to American Cyanamid Co. 7-substituted thio-4-androstenes. 2,908,694, 10-13-59, Cl. 260-397.4.
- Schauenstein, Erwin, to Nitritfabrik Aktiengesellschaft. Process for the conversion of normally water-insoluble organic substances into water-soluble form and substances produced by said process. 2,919,287, 12-29-59, Cl. 260-398.
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- Schaumer, Theo B., to Munsingwear, Inc. Brassiere. 2,888,931, 6-2-59, Cl. 128-482.
- Schäupp, Ralph H. Combination ice box and air cooler for automobiles. 2,891,390, 6-23-59, Cl. 62-312.
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- Schechtman, David. Self-adjusting holder for flat articles. 2,879,897, 3-31-59, Cl. 211-43.
- Scheck, Charles J., and W. Slide damper for ventilating outlet. 2,909,983, 10-27-59, Cl. 98-101.
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- Schechter, George, and W. J. Kroeger, to United States of America, Army. Sheet propellant. 2,918,005, 12-22-59, Cl. 102-49.
- Schedl, Karl, and K. Becker, to General Motors Corp. Hydraulic shock absorber. 2,911,072, 11-3-59, Cl. 188-88.
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- Scheel, Henry V.: See—  
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- Scheel, Joachim E., to Siemens & Halske Aktiengesellschaft. Discharge vessel cooled by radiation. 2,909,702, 10-20-59, Cl. 315-5.38.
- Scheel, Walther F., to Rockwell-Standard Corp. Shaft bearing mounting. 2,892,662, 6-30-59, Cl. 308-36.1.
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- Scheerbarth, Maximilian, to North American Philips Co., Inc. Housing for electro-acoustic apparatus. 2,872,997, 2-10-59, Cl. 181-31.
- Scheffbauer, Rupert J.: See—  
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- Scheffel, John W.: See—  
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- Scheffler, Paul H., Jr., and R. R. Young, to Westinghouse Electric Corp. Turbine apparatus. 2,888,286, 5-26-59, Cl. 288-13.
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- Schegk, Ernst, and G. Schrader, to Farbenfabriken Bayer Akt. Thiophosphoric acid esters and their production. 2,894,017, 7-7-59, Cl. 260-461.
- Schegk, Ernst, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Phosphonic acid derivatives. 2,916,509, 12-8-59, Cl. 260-461.
- Scheibe, Elias W., to General Motors Corp. Hydraulic lash adjuster. 2,902,015, 9-1-59, Cl. 123-90.
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- Scheibel, Kurt and M., to VEB Spezialmaschinenwerk Limbach. Multi-needle table embroidery machine. 2,896,562, 7-28-59, Cl. 112-103.
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- Scheiterlein, Andreas, to H. List. Two-stroke cycle internal combustion engine with scavenging air blower. 2,891,524, 6-23-59, Cl. 123-65.
- Scheiterlein, Andreas, to H. List. Tensioning device. 2,909,074, 10-20-59, Cl. 74-242.16.
- Scheiterlein, Andreas, to Hans List. Air-cooled engine compressor. 2,917,226, 12-15-59, Cl. 230-56.
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- Scheldorf, Ronald D., to Radio Corp. of America. Limiter circuit. 2,892,935, 6-30-59, Cl. 250-27.
- Schele, Enrique, to National Rubber Machinery Co. Washing machine. 2,918,811, 12-29-59, Cl. 68-4.
- Scheil, Carl M., to General Motors Corp. Door opener. 2,889,787, 6-9-59, Cl. 109-63.5.
- Scheil, Carl M., to General Motors Corp. Refrigerating apparatus. 2,896,312, 7-28-59, Cl. 29-157.3.
- Schell, Donald H., and H. Scheinberg, to United States of America, Atomic Energy Commission. Tungsten base alloys. 2,916,809, 12-15-59, Cl. 29-182.
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- Schenkel, Emerich, to G. M. Pfaff A.G. Device for varying the tension of the bottom thread on the bobbin housing of a sewing machine. 2,907,292, 10-6-59, Cl. 112-233.
- Schenkel, Emerich, to G. M. Pfaff A.G. Resistance heating device. 2,910,568, 10-27-59, Cl. 219-19.
- Schenker, Abraham W. Angle measuring instrument. 2,871,573, 2-3-59, Cl. 33-207.



- Schenker, Bernard, to Sprague Electric Co. Wave filter. 2,918,635, 12-22-59, Cl. 333-79.
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- Scherba, George J., to United States Steel Corp. Bearing seal for rolling mill roll. 2,906,565, 9-29-59, Cl. 308-36.3.
- Scherbatsky, Serge A. Radiation detector. 2,881,324, 4-7-59, Cl. 250-71.
- Scherbatsky, Serge A. Scanning method. 2,904,629, 9-15-59, Cl. 178-6.8.
- Scherbatsky, Serge A., to PGAC Development Co. Simultaneous neutron and gamma ray well logging system. 2,911,536, 11-3-59, Cl. 250-83.6.
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- Scherenberg, Hans O., to Daimler-Benz Akt. Control system for an internal combustion engine, particularly for motor vehicles. 2,896,600, 7-28-59, Cl. 123-140.
- Scherenberg, Hans O., to Daimler-Benz Aktiengesellschaft. Rotating heat exchanger. 2,911,197, 11-3-59, Cl. 257-1.
- Scherenberg, Hans O., to Daimler-Benz Aktiengesellschaft. Reverse driving lights. 2,911,620, 11-3-59, Cl. 340-74.
- Scherenberg, Hans O., to Daimler-Benz Aktiengesellschaft. Balancing mechanism for multi-cylinder piston engines. 2,914,963, 12-1-59, Cl. 74-604.
- Scherenberg, Hans O., and R. E. Uhlenhaut, to Daimler-Benz Aktiengesellschaft. Internal combustion piston engine. 2,904,025, 9-15-59, Cl. 123-140.
- Scherenberg, Hans O., and H. M. Forster, to Daimler-Benz Aktiengesellschaft. Apparatus for controlling a motor vehicle. 2,918,154, 12-22-59, Cl. 192-034.
- Scherer, George J., to Cramer Posture Chair Co., Inc. Spring loaded locking mechanism for chair pedestal. 2,909,212, 10-20-59, Cl. 155-88.
- Scherer, Karl, and Sauer. Device for the conversion of mechanical oscillatory energy into electrical oscillatory energy. 2,901,936, 9-1-59, Cl. 84-1.04.
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- Scherer, Otto, to Farbwerke Hoechst Akt. vormals Meister & Bruning. Production of 1,1-difluoro-1,2,2-trichloroethane. 2,870,224, 1-20-59, Cl. 260-653.7.
- Scherer, Otto, and P. F. Schacher, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Vinylsulfonil fluorides and preparation thereof. 2,884,452, 4-28-59, Cl. 260-543.
- Scherer, Otto, H. Hahn, H. Frensch, L. F. Emmel, and W. Staudermann, to Farbwerke Hoechst Akt. vormals Meister Lucius & Bruning. Bis-(0:0-diethyl-dithiophosphoryl) 1:4-butylenedimethyl ether. 2,885,430, 5-5-59, Cl. 260-461.
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- Scherer, Otto, and H. Hahn, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. O,O'-diethyl-dithiophosphoric acid-S-(dimethyl-thiocarbamyl-mercaptomethyl)-ester insecticides. 2,915,429, 12-1-59, Cl. 167-22.
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- Scherer, Robert P., to R. P. Scherer Corp. Hypo jet injector. 2,902,994, 9-8-59, Cl. 128-173.
- Scherf, Paul H., F. R. Bayne, and R. F. Hammack, to Alten Foundry & Machine Works, Inc. Adjustable stroke crank. 2,867,134, 1-6-59, Cl. 74-600.
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- Scherr, Maurice. Glove construction. 2,907,046, 10-6-59, Cl. 2-159.
- Scherrer, Kurt, to Starrfrasmachern A.G. Method and means for copying work pieces. 2,914,991, 12-1-59, Cl. 90-131.
- Scherry, George A., to Grayhill. Electric terminal for insulating base. 2,892,177, 6-23-59, Cl. 339-220.
- Scherry, George A., to Grayhill. Molding machine. 2,900,662, 8-25-59, Cl. 18-5.
- Schertel, Hanns V. Hydrofoil system. 2,917,016, 12-15-59, Cl. 114-66.5.
- Scherz, Louis, to The American Pad & Textile Co. Adjustable caps and like structures. 2,869,137, 1-20-59, Cl. 2-197.
- Scherzinger, Bruno, to Mechanical Pin Resetter Co., Ltd. Bowling alley pin resetting machine. 2,902,281, 9-1-59, Cl. 273-43.
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- Schetelich, Alan A., and J. L. Betts, Jr., to Esso Research and Engineering Co. Esterification of dicarboxylic acids with stoichiometric quantities of higher aliphatic alcohols. 2,883,416, 4-21-59, Cl. 260-475.
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- Schetz, Ferdinand C. Illuminator for lady's handbag. 2,911,521, 11-3-59, Cl. 240-6.45.
- Scheu, Lester W., to The Firestone Tire & Rubber Co. Uniform tension-maintaining motor control. 2,875,388, 2-24-59, Cl. 318-7.
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- Scheuchzer, Fredy and A. Track ballast machine. 2,914,867, 12-1-59, Cl. 37-104.
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- Scheuer, Fred F., and P. M. Marx, to H. Glatt. Dusting device with disposable replaceable soft paper laminae. 2,870,475, 1-27-59, Cl. 15-231.
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- Scheuerer, Günter, and O. Schlichting, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of alpha, alpha-spiro-heptamethylene-succinic acid imides. 2,911,412, 11-3-59, Cl. 260-326.5.
- Scheuerpflug, Hans, to Maschinenfabrik Augsburg-Nürnberg A. G. Combination manual and power steering means with disengaging clutch for manual means. 2,874,792, 2-24-59, Cl. 180-79.2.
- Scheuerpflug, Hans, to Maschinenfabrik Augsburg-Nürnberg A. G. Vehicle-mounted revolving crane with folding jib. 2,874,851, 2-24-59, Cl. 212-144.
- Scheuerpflug, Hans, to Maschinenfabrik Augsburg-Nürnberg A. G. Vehicle with motor mounted on swingable arm. 2,893,502, 7-7-59, Cl. 180-64.
- Scheuerpflug, Hans, to MAN Maschinenfabrik Augsburg-Nürnberg A.G. Rotary automobile crane. 2,910,189, 10-27-59, Cl. 212-59.
- Scheuffele, Robert, & Co.: See—  
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- Scheurer, Hans: See—  
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- Scheurer, Otto R., to Tokheim Corp. Dispenser nozzle receptacle. 2,900,111, 8-18-59, Cl. 222-74.

- Scheurer, Otto R., to Tokheim Corp. Illuminated dome dispenser. 2,911,520, 11-3-59, Cl. 240-2.
- Schey, Robert, and H. E. James, to The New York, Chicago and St. Louis Railroad Co. Load confining skid for use in railway cars. 2,873,692, 2-17-59, Cl. 105-366.
- Schiappa, Antonio, to Moore Fabrics, Inc. Shuttleless loom. 2,918,093, 12-22-59, Cl. 134-124.
- Schlavi, Vincent, to The Formgrading and Press Machine Corp. Form-grading and pressing machines for roadways. 2,902,908, 9-8-59, Cl. 94-39.
- Schibley, Raymond D., to Westinghouse Electric Corp. Oven door window. 2,877,761, 3-17-59, Cl. 126-200.
- Schicht, Heinrich, to W. Ferd Klingenberg Sohn. Gear lapping apparatus. 2,904,934, 9-22-59, Cl. 51-26.
- Schick, Frederick A., and D. W. Erskine, to Allis-Chalmers Mfg. Co. Radiator core for tractor vehicles. 2,902,264, 9-1-59, Cl. 257-130.
- Schick Inc.: See—  
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- Schick, Martin J.: See—  
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- Schick, Robert L., and B. E. Robinson, to Toledo Scale Corp. Label printing device. 2,918,000, 12-22-59, Cl. 101-378.
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- Schieber Mfg. Co.: See—  
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- Schiel, Fred A., Sr. Pattern forming apparatus. 2,918,096, 12-22-59, Cl. 144-134.
- Schiermeyer, Knäpel F., to Shell Development Co. Textile lubricants. 2,913,407, 11-17-59, Cl. 252-8.7.
- Schiermeyer, Knäpel F., to Shell Development Co. Metal working lubricant. 2,913,411, 11-17-59, Cl. 252-33.3.
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- Schieser, Warren J., J. F. Kelley, and D. G. Marshall, to National Industrial Products Co. Injection molding machine with weigh-feeder and plunger position control. 2,873,478, 2-17-59, Cl. 18-30.
- Schieser, Warren J., J. F. Kelley, and D. G. Marshall, to National Industrial Products Co. Net weighing machine. 2,890,013, 6-9-59, Cl. 249-16.
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- Schlewe, Arthur J., and K. Chen, to Westinghouse Electric Corp. Magnetic coupled transistor oscillator. 2,915,710, 12-1-59, Cl. 331-112.
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- Schiff, Robert D. Radiant ceiling heater. 2,897,337, 7-28-59, Cl. 219-34.
- Schiff & Stern, Gesellschaft mit beschränkter Haftung: See—  
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- Schliffman, Bernard. Automobile accessory. 2,869,144, 1-20-59, Cl. 5-94.
- Schliffman, Murray M. Information indicating devices. 2,869,250, 1-20-59, Cl. 35-9.
- Schifter, Herbert E. Double valve construction and the like. 2,905,487, 9-22-59, Cl. 284-19.
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- Schilberg, Arnold G., to A. O. Smith Corp. Brake beam and head assembly. 2,888,110, 5-26-59, Cl. 188-219.6.
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- Schildhauer, Walter E., and M. Skuza, to The Carborundum Co. Process for producing silicon carbide bodies. 2,907,972, 10-6-59, Cl. 338-332.
- Schildknecht, Calvin E., and H. W. Linde, to Air Reduction Co., Inc. Face mask and similar devices having body-conforming means. 2,917,045, 12-15-59, Cl. 128-141.
- Schiller, Georg: See—  
Schenk, Walter, and Schiller. 2,905,709.  
Weber, Heinz, Boehn, Schiller, and Stange. 2,886,560.
- Schiller, James C.: See—  
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- Schiller, Paul. Mechanism for self-propelled machines. 2,867,135, 1-6-59, Cl. 74-700.
- Schiller, Sigge: See—  
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- Schilling, August H.: See—  
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- Schilling, Clarence J., to Air Products, Inc. Method and apparatus for fractionating gaseous mixtures. 2,913,882, 11-24-59, Cl. 62-30.
- Schilling, John R., and F. F. Jones. Fish lure. 2,892,281, 6-30-59, Cl. 43-42.36.
- Schilling, John E. Dirt trap for refrigerating system. 2,875,594, 3-3-59, Cl. 62-303.
- Schilling, Karl F., M. J. Powell, and E. A. Brice, to Minerals & Chemicals Corp. of America. Acidulation of phosphate. 2,898,207, 8-4-59, Cl. 71-37.
- Schilling, Lewis R., to Kolcast Industries, Inc. Method of and apparatus for forming frangible casting molds. 2,871,525, 2-3-59, Cl. 22-31.
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- Schilling, Robert, to General Motors Corp. Adjustable control mechanism. 2,873,616, 2-17-59, Cl. 74-478.
- Schilling, Robert, to General Motors Corp. Rear spring suspension for vehicles. 2,890,895, 6-16-59, Cl. 280-104.
- Schilling, Robert, to General Motors Corp. Hydraulic power steering system with associated lateral acceleration control means. 2,902,104, 9-1-59, Cl. 180-79.2.
- Schilling, Werner, S. Bahra, and H. Wiedenmann, to Patent-Traubhand-Gesellschaft für elektrische Glühlampen m. b. H. Wire electrode for electric discharge lamps. 2,873,518, 2-17-59, Cl. 29-420.5.
- Schilling, William M., to Hercules Powder Co. Preparation of oxetane polymers. 2,909,492, 10-20-59, Cl. 260-2.
- Schiltz, Bruce A. Overhead traveling dispenser unit. 2,893,422, 7-7-59, Cl. 137-355.17.
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- Schimmel, Henry and M. M. Overskirt. 2,903,707, 9-15-59, Cl. 2-221.
- Schimmel, Madalyn M.: See—  
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- Schimmel, Nico: See—  
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- Schindler, Arnold, to Bendix Aviation Corp. Pressure fluid system relief valve. 2,882,922, 4-21-59, Cl. 137-491.
- Schindler, Arnold, and H. Troeger, to Bendix Aviation Corp. Jaw advancing mechanism. 2,908,169, 10-13-59, Cl. 74-7.
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- Schindler, Othmar: See—  
Grob, Cyril A., and Schindler. 2,880,212.
- Schindler, Walter, to Celgy Chemical Corp. New indole derivatives. 2,883,394, 4-21-59, Cl. 260-319.
- Schink, Howard C.: See—  
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Shannon, Jack F., Barnard, and Schink. 2,870,729.
- Schinke, Hans-Werner, and H. O. Lutcke, to Aktiengesellschaft Feuer Unternehmungen der Eisen- und Stahlindustrie. Stranding machine arrangement. 2,873,569, 2-17-59, Cl. 57-58.32.
- Schinnerer, Roy L., to The Garrett Corp. Pneumatic oil pumping device. 2,900,917, 8-25-59, Cl. 103-47.
- Schinske, William G., to Ideal Industries, Inc. Spring type connector wrench. 2,885,771, 5-12-59, Cl. 29-240.5.
- Schipper, Edgar S.: See—  
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- Schippers, Joah F., to James Gordon and Co. Ltd. Whirling apparatus for producing sprays of fluid and for other purposes. 2,875,783, 3-3-59, Cl. 137-625.3.
- Schippert, Florence J.: See—  
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- Schippert, Florence J., and M. L. Lawser. Swimming pool cover. 2,870,454, 1-27-59, Cl. 4-172.
- Schirling, Ralph C., and O. C. Hollstein, to Picker X-Ray Corp. Walte Mfg. Div., Inc. X-ray apparatus. 2,872,584, 2-3-59, Cl. 250-55.
- Schirmer, Robert, H. Volt, R. Hartmann, J. König, O. Thumult, and W. Ziemer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Device for adjusting anodes in electrolytic cells. 2,910,423, 10-27-59, Cl. 204-225.
- Schirmer, Robert M., to Phillips Petroleum Co. Burner. 2,918,118, 12-22-59, Cl. 158-4.
- Schirmser, Walter E., to Clark Equipment Co. Drive mechanism for trailer. 2,872,992, 2-10-59, Cl. 180-14.
- Schirneker, Hans L.: See—  
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- Schirp, Hubert: See—  
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- Schjelderup, Gunnar, and L. J. Aasbø, to Christiania Spliger-verk. Electrode installation for electric furnaces. 2,904,609, 9-15-59, Cl. 13-17.
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- Schjollin, Hans O., to General Motors Corp. Refrigerating apparatus. 2,889,691, 6-9-59, Cl. 62-230.



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Barrier, Felix, and Schklair. 2,879,023.

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Schladebach, Gert, to A. W. Lehr. Foldable invalid or bath chair. 2,896,693, 7-28-59, Cl. 155-30.

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Schlaphoff, Erwin D. Foldable motor scooter. 2,910,130, 10-27-59, Cl. 180-33.

Schlatter, Carl, to American Viscose Corp. Process of producing viscose rayon. 2,904,446, 9-15-59, Cl. 106-165.

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Bieri, Hans, and Denzler. 2,875,718.

Maag, Walter. 2,913,627.

Neldhardt, Hans U. 2,903,608.

Schlatter, Hans A. Resistance welding machine. 2,897,339, 7-28-59, Cl. 219-101.

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Aarons, Ralph, and Schlatter. 2,891,874.

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Schlechter, Edward E. Lens cleaning device. 2,908,923, 10-20-59, Cl. 15-136.

Schlee, Richard: See—

Bencker, Franz, Overdick, and Schlee. 2,910,140.

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Bulova, Arde, Anderson, and Schleifer. 2,890,522.

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Schlemm, Norman H., Jr., to Westinghouse Electric Corp. Pulse generator. 2,909,681, 10-20-59, Cl. 307-106.

Schlenker, Arthur, to Bulova Watch Co., Inc. Waterproof watch case. 2,913,869, 11-24-59, Cl. 58-90.

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Adams, Charles J., and Schlenker. 2,876,928.

Schlesinger, Albert, and S. M. Gordon, to Endo Laboratories Inc. Water soluble 21-N-methyl-nicotinic acid esters of cortical hormones. 2,917,508, 12-15-59, Cl. 260-239.5.

Schlesinger, Eugene R.: See—

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Schlesinger, Kurt, to Motorola, Inc. Synchronous detecting system for color television. 2,885,467, 5-5-59, Cl. 178-5.4.

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Schlessel, Bernard. Panoramic test system. 2,897,441, 7-28-59, Cl. 324-58.

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Catalano, Joseph J., Schletewitz, and Coffey. 2,876,835.

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Schleyer, Victor, Henricks, and Baxter. 2,872,415.

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Schlichenmaier, Hans, and H. Pohlmann, to Farbwerke Hoechst Akt. vormalis Meister Lucius & Bruning. Vat dyestuffs. 2,882,272, 4-14-59, Cl. 260-275.

Schlichtenmayer, Karl, to Robert Bosch G.m.b.H. Injection pump control arrangement. 2,902,018, 9-1-59, Cl. 123-140.

Schlichting, Herbert R.: See—

Senn, Jurg A., and Schlichting. 2,876,526.

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Schlicke, Heinz M., to Allen-Bradley Co. Electrically resonant dielectric body. 2,890,422, 6-9-59, Cl. 333-77.

Schlieben, Ernest W. Convertiplane with tiltable cylindrical wing. 2,868,476, 1-13-59, Cl. 244-7.

Schleker, Willy H., F. Kunz, and W. Pleisch, to Walzwerk Neuges, Willy H. Schleker & Co. Apparatus for welding and cutting of sheet metal. 2,912,563, 11-10-59, Cl. 219-78.

Schlienger, Max P., to Universal-Cyclops Steel Corp. Electrode-engaging apparatus. 2,906,799, 9-29-59, Cl. 13-17.

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Schliephacke, Fridtjof F., to A. Lorenz. Leg-rest and control arrangement for chair. 2,892,485, 6-30-59, Cl. 155-106.

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Schlösser, Carl E., and T. D. Whitenack, Jr., to Engelhard Industries, Inc. High pressure vapor arc lamp. 2,880,369, 3-31-59, Cl. 315-49.

Schlösser, Johann C., to The De Laval Separator Co. Method and means for the automatic exchange of weft cops on looms. 2,871,889, 2-3-59, Cl. 139-241.

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Schlotthauer, Joseph S., L. E. Snyder, and L. R. Lyons, to Titanium Metals Corp. of America. Separation of halides. 2,897,918, 8-4-59, Cl. 183-119.

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Schlueter, Ernest. Tubular saw BX armor cutting tool and tube cutter. 2,878,550, 3-24-59, Cl. 29-67.

Schlueter, Ernest. Spring lock fastener with angular arm ends. 2,896,897, 7-28-59, Cl. 248-239.

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Lebourg, Maurice P., and Flelds. 2,903,069.

Magnin, Jean P. 2,906,933.

Martin, Gunther J. 2,872,575.

Martin, Gunther J. 2,894,130.

Mennecier, Maurice. 2,903,072.

Poland, William L. 2,869,058.

Poland, William L. 2,912,165.

Saurenman, Dean F., and Lebourg. 2,876,413.

Schuster, Nick A. 2,878,443.

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Swain, William H. 2,884,492.

Tanguy, Denis R. 2,888,309.

Welz, Wilbur C. 2,884,590.

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Schlumbohm, Peter. Vacuum flask combination. 2,883,082, 4-21-59, Cl. 215-6.

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Schlumbohm, Peter. Apparatus for evaporating a liquid under reduced pressure. 2,909,909, 10-27-59, Cl. 62-268.

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Magg, Alfred H., Jedlitschka, Schrode, and Schmah. 2,906,138.

Schmalenbach, Adolf, to Koppers Co., Inc. Process for purification of benzene. 2,898,389, 8-4-59, Cl. 260-674.

Schmall, Wilbur A., to General Electric Co. Shutter mechanism for combination cooking appliance. 2,912,922, 11-17-59, Cl. 99-340.

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Schmaus, Siegfried A. H., to American Machine and Metals, Inc. Adjustable linkage for measuring device. 2,918,546, 12-22-59, Cl. 200-83.

Schmecht, Edward W.: See—

Wahl, Ralph L., and Schmecht. 2,896,975.

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Schmelzer, Albert, L. Nussler, and K.-H. Gehringer, to Farbenfabriken Bayer Akt. Water-insoluble azo dyestuffs and process for their manufacture. 2,878,244, 3-17-59, Cl. 260-164.

Schmerling, Louis: See—

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Luvsi, John P., and Schmerling. 2,882,279.

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- Schmerling, Louis, to Universal Oil Products Co. Polymerization of olefins to solid polymers. 2,878,240, 3-17-59, Cl. 260-93.7.
- Schmerling, Louis, to Universal Oil Products Co. Bicyclic compounds containing nuclearly substituted halogen. 2,881,223, 4-7-59, Cl. 260-648.
- Schmerling, Louis, to Universal Oil Products Co. Alkylation of non-olefinic hydrocarbons. 2,882,324, 4-14-59, Cl. 260-668.
- Schmerling, Louis, to Universal Oil Products Co. De-arylation of polyarylanes. 2,885,452, 5-5-59, Cl. 260-668.
- Schmerling, Louis, to Universal Oil Products Co. Preparations of compounds having a benzyl-benzyl halide structure. 2,886,604, 5-12-59, Cl. 260-649.
- Schmerling, Louis, to Universal Oil Products Co. Preparation of alkylamino aromatic compounds. 2,887,514, 5-19-59, Cl. 260-577.
- Schmerling, Louis, to Universal Oil Products Co. Insecticides and preparation thereof. 2,894,993, 7-14-59, Cl. 260-619.
- Schmerling, Louis, to Universal Oil Products Co. Condensation of aromatic hydrocarbons with polychlorocycloolefins. 2,894,994, 7-14-59, Cl. 260-650.
- Schmerling, Louis, to Universal Oil Products Co. Condensation of aromatic hydrocarbons with polychlorocycloolefins. 2,894,995, 7-14-59, Cl. 260-651.
- Schmerling, Louis, to Universal Oil Products Co. Preparation of substituted ortho-polymethylene aromatic hydrocarbons. 2,901,517, 8-25-59, Cl. 260-668.
- Schmerling, Louis, to Universal Oil Products Co. Preparation of mono- and diarylphosphines. 2,902,517, 9-1-59, Cl. 260-606.5.
- Schmerling, Louis, to Universal Oil Products Co. Hydrocarbon hydrocracking process and catalyst therefor. 2,905,628, 9-22-59, Cl. 208-112.
- Schmerling, Louis, to Universal Oil Products Co. Hydrocarbon hydrocracking process with a boron chloride and aluminum metal catalyst. 2,905,663, 9-22-59, Cl. 208-108.
- Schmerling, Louis, to Universal Oil Products Co. Condensation of conjugated cycloalkadienes with p-dioxenes and resultant products. 2,905,697, 9-22-59, Cl. 260-340.3.
- Schmerling, Louis, to Universal Oil Products Co. Partial dehalogenation of halobicyclo compounds. 2,905,725, 9-22-59, Cl. 260-648.
- Schmerling, Louis, to Universal Oil Products Co. Preparation of polycyclic halogenated compounds. 2,911,447, 11-3-59, Cl. 260-648.
- Schmerling, Louis, to Universal Oil Products Co. Bicyclic organic compounds containing a large proportion per unit mass of halogen. 2,912,356, 11-10-59, Cl. 167-30.
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- Schmerling, Louis, to Universal Oil Products Co. Preparation of diarylalkanes. 2,918,502, 12-22-59, Cl. 260-668.
- Schmerling, Louis, and J. P. Luvist, to Universal Oil Products Co. Self-condensation of haloalkylaromatic compounds. 2,895,997, 7-21-59, Cl. 260-649.
- Schmerling, Louis, and J. P. Luvist, to Universal Oil Products Co. Nuclear alkylation of aromatic compounds. 2,916,532, 12-8-59, Cl. 260-671.
- Schmertz, William E.: See—
- Sterlick, Harrison D., and Schmertz. 2,910,747.
- Schmertz, William E., to Libbey-Owens-Ford Glass Co. Multiple sheet glazing units. 2,875,794, 3-3-59, Cl. 141-346.
- Schmerzler, Lawrence J. Method and apparatus for extracting pure water. 2,902,414, 9-1-59, Cl. 202-46.
- Schmid, Arthur W.: See—
- Hughes, Charles W., Schmid, and Hallam. 2,912,941.
- Schmid, Christoph, to Deutsche Erdöl-Aktiengesellschaft. Method of moulding metal cylinders. 2,904,863, 9-22-59, Cl. 22-202.
- Schmid, Hans, and H. Hüllmann, to Landis & Gyr A.G. Remote control receiver for central remote control installations utilizing audio-frequency signals superimposed on the mains network. 2,901,643, 8-25-59, Cl. 307-140.
- Schmid, John H.: See—
- Baker, Albert A., and Schmid. 2,875,453.
- Schmid, John H., to J. A. Zurn Mfg. Co. Combination wall mounted water closet and flush tank with siphon leg. 2,878,483, 3-24-59, Cl. 4-14.
- Schmid, Leonard J., to General Motors Corp. Manufacture of bearings. 2,908,056, 10-13-59, Cl. 22-123.
- Schmid, Leopold F. Steering wheel. 2,894,413, 7-14-59, Cl. 74-552.
- Schmid, Max: See—
- Mory, Rudolf, Stoeklin, and Schmid. 2,914,539.
- Schmid, Max, and W. Mueller, to Ciba Ltd. Fat-soluble azo-dyes. 2,888,452, 5-26-59, Cl. 260-163.
- Schmid, Max, and H. Strell, to Ciba Ltd. New acid amide azo-pigment-dyes. 2,888,453, 5-26-59, Cl. 260-174.
- Schmid, Otto, L. Bilek, and W. Seifried, to Oesterreichische Stickstoffwerke Akt. Process of making bis-carbamie acid ester compounds. 2,878,279, 3-17-59, Cl. 260-482.
- Schmid, Roy J., to General Motors Corp. Hand control mechanism for vehicles. 2,874,587, 2-24-59, Cl. 74-489.
- Schmid, William: See—
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- Schmid, Wolfgang: See—
- Voester, Reinhold W., and Schmid. 2,872,695.
- Schmid, Wolfgang K. Electric tracer control system for machines such as machine tools. 2,887,635, 5-19-59, Cl. 318-19.
- Schmidinger, Joseph. Thermo-responsive switch. 2,906,835, 9-29-59, Cl. 200-88.
- Schmidle, Claude J.: See—
- Mansfield, Richard C., Morrison, and Schmidle. 2,874,119.
- Schmidlein, Joseph A.: See—
- Kun, Kenneth A., and Schmidlein. 2,918,452.
- Schmidlin, Julius: See—
- Reichstein, Tadeus, Wettstein, Anner, Billeter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,904,545.
- Wettstein, Albert, Anner, and Schmidlin. 2,883,378.
- Schmidt, Alfred O., to Kearney & Trecker Corp. Lubricant distributor. 2,884,838, 5-5-59, Cl. 90-11.
- Schmidt, Arthur B., to Western Electric Co., Inc. Apparatus for electrically testing articles. 2,877,411, 3-10-59, Cl. 324-62.
- Schmidt, Benjamin F. Fluid actuated mercury piston pump. 2,883,935, 4-28-59, Cl. 103-44.
- Schmidt, Benjamin F. Fish hook clamping tool. 2,918,744, 12-29-59, Cl. 43-4.
- Schmidt, Bertil J. M., and K. G. Olsson, to Casius Corp. Ltd. Plaster composition. 2,905,566, 9-22-59, Cl. 106-170.
- Schmidt, Bertram A. Flywheel system. 2,914,962, 12-1-59, Cl. 74-572.
- Schmidt, Carl O., Jr.: See—
- Keser, George G., Pickens, and Schmidt. 2,885,726.
- Schmidt, Carl O., Jr., to The Cincinnati Butchers Supply Co. Hide puller. 2,897,537, 8-4-59, Cl. 17-21.
- Schmidt, Carl O., Jr., to The Cincinnati Butchers Supply Co. Closure means. 2,900,104, 8-18-59, Cl. 220-57.
- Schmidt, Carl O., Jr., to The Cincinnati Butchers Supply Co. Excutorator. 2,902,711, 9-8-59, Cl. 17-21.
- Schmidt, Carl O., Jr., to The Cincinnati Butchers Supply Co. Food chopper knife mounting. 2,905,217, 9-22-59, Cl. 146-96.
- Schmidt, Charles L., and C. K. Stoddard, to National Lead Co. Continuous process for the production of titanium metal. 2,882,143, 4-14-59, Cl. 75-84.5.
- Schmidt, Clayton E., to Schmidt Mfg. Co. Reed frame. 2,869,587, 1-20-59, Cl. 139-192.
- Schmidt, Edward G.: See—
- Stone, Carl R., and Schmidt. 2,875,977.
- Schmidt, Edward G., and J. E. Svabek, Jr., to Crane Co. Flapper valve. 2,876,458, 3-10-59, Cl. 4-57.
- Schmidt, Edward R., to General Dynamics Corp. Telephone system subscriber line insulation testing circuit. 2,868,899, 1-13-59, Cl. 179-175.2.
- Schmidt, Edwin L.: See—
- Cornwell, John W., Haselton, and Schmidt. 2,883,106.
- Schmidt, Erich: See—
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- Schmidt, Erich, F. Moosmüller, and R. Schweg, to Farbenfabriken Bayer Aktiengesellschaft. Process of improving the dyeing properties of cellulose, cellulose esters and esters by reaction with a carbodilimide compound employing a copper salt catalyst. 2,906,749, 9-29-59, Cl. 260-231.
- Schmidt, Ernest C.: See—
- Bridgman, Joseph M., and Schmidt. 2,913,975.
- Cooper, Hugh S., Schaefer, and Schmidt. 2,877,110.
- Schmidt, Ernst: See—
- Lebsanft, Kurt, and Schmidt. 2,901,383.
- Schmidt, Ernst, to Rheinbau G.m.b.H. Lattice girder. 2,879,661, 3-31-59, Cl. 72-61.
- Schmidt, Eva-Marie M. H.: See—
- Schmidt, Ferdinand, and Eggersgluess. 2,868,589.
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- Schmidt, Frank P. Pulse control of programming device for aircraft. 2,867,394, 1-6-59, Cl. 244-77.
- Schmidt, Fred A. Tension control for web printing machines. 2,892,597, 6-30-59, Cl. 242-75.42.
- Schmidt, Fred H.: See—
- Sloan, David H., Yockey, and Schmidt. 2,882,406.
- Schmidt, Fred H., to United States of America, Atomic Energy Commission. Calutron protective circuit. 2,888,564, 5-26-59, Cl. 250-41.9.
- Schmidt, Frederick G.: See—
- Edmunds, William H., and Schmidt. 2,882,359.
- Schmidt, Frederick G., to I-T-E Circuit Breaker Co. Motor operated circuit breakers. 2,870,288, 1-20-59, Cl. 200-92.
- Schmidt, Frederick G., to I-T-E Circuit Breaker Co. Sealing means for molded case breaker operating handle. 2,878,347, 3-17-59, Cl. 200-168.
- Schmidt, Fritz: See—
- Eitel, Kurt, Schmidt, and Mauthe. 2,897,166.
- Schmidt, Fritz, to International Standard Electric Corp. Zone prohibiting circuit. 2,897,277, 7-28-59, Cl. 179-18.
- Schmidt, George S. Quiver. 2,897,864, 8-4-59, Cl. 150-1.5.

- Schmidt, Gunter, to International MacGregor Organization (I. M. G. O.). Device for controlling hatch-covers and like panels on ships, railway-cars and the like with the assistance of an endless, driven chain. 2,869,859, 1-20-59, Cl. 208-18.
- Schmidt, Gunter. Stepless change speed transmission. 2,913,916, 11-24-59, Cl. 74-230.77.
- Schmidt, Hans, to J. P. Bemberg Akt. Protective separator for cone-bobbins. 2,876,898, 3-10-59, Cl. 206-65.
- Schmidt, Hans, and G. Dunkel, to Licentia Patent-Verwaltungs-G.m.b.H. Method for producing twin pistons. 2,896,316, 7-82-59, Cl. 29-411.
- Schmidt, Heinz, and H. Fischer, to Taylorix Organisation. Stiegler, Hausser & Co. Feed-in mechanism or attachment for bookkeeping, calculating and like machines. 2,887,207, 5-19-59, Cl. 197-128.
- Schmidt, Henry, Jr., and R. F. Ledford, to Industrial Filter & Pump Mfg. Co. Filtering apparatus. 2,901,115, 8-25-59, Cl. 210-331.
- Schmidt, Jacob H. Tapered-shaft and hub-element locking and releasing means. 2,876,573, 3-10-59, Cl. 41-9.
- Schmidt, Jacob H. Electrical switches. 2,899,513, 8-11-59, Cl. 200-67.
- Schmidt, Johann H. F. D.: See—
- Nieuwenhuis, Willem E., and Schmidt. 2,882,132.
- Schmidt, John: See—
- Baker, Edward G., Osbarny, and Schmidt. 2,882,367.
- Schmidt, John A., to Sierra Electronic Corp. Tuning assembly. 2,878,680, 3-24-59, Cl. 74-10.
- Schmidt, Josef, and H. Weber, to Firma Carl Still. Process for recovering low boiling point hydrocarbons. 2,894,601, 7-14-59, Cl. 183-114.6.
- Schmidt, Josef, H. Weber, and H. Von Holt, to Firma Carl Still. Process for recovering low boiling point hydrocarbons, especially ethylene. 2,909,579, 10-20-59, Cl. 260-683.
- Schmidt, Joseph J.: See—
- McCauley, Norman, and Schmidt. 2,877,756.
- Schmidt, Joseph J. Piston rings. 2,867,482, 1-6-59, Cl. 309-44.
- Schmidt, Karl H., to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Room disinfection by means of volatile substances in the form of aerosols. 2,900,301, 8-18-59, Cl. 167-39.
- Schmidt, Karl-Heinz, and R. Heep, to Rand-Goetze Corp. V-shaped sealing ring. 2,893,800, 7-7-59, Cl. 309-44.
- Schmidt, Karl, Metallschmelzwerk G.m.b.H.: See—
- Schmidt, Werner. 2,890,039.
- Schmidt, Knute M.: See—
- Bley, Rudolph S., Carter, Edgar, Graybeal, and Schmidt. 2,898,627.
- Schmidt, Leon A.: See—
- Rockstrom, Leonard, and Schmidt. 2,897,893.
- Schmidt, Leon A., and L. Rockstrom, to Cameron Machine Co. Counter roll stripper. 2,877,960, 3-17-59, Cl. 242-68.
- Schmidt, Lewis W., small interests to numerous assignees. Best impelling and deflecting unit. 2,884,975, 5-5-59, Cl. 146-85.
- Schmidt Lithograph Co.: See—
- Schmidt, Morton. 2,898,105.
- Schmidt, Louis F.: See—
- Hewitt, John E., Schmidt, and Gardner. 2,868,924.
- Schmidt, Ludwig. Fishing line float. 2,876,581, 3-10-59, Cl. 43-44.95.
- Schmidt, Ludwig. Fishing float. 2,876,582, 3-10-59, Cl. 43-44.95.
- Schmidt, Ludwig, and H. Scheffer, to C. H. Boehringer Sohn. Central nervous system stimulant. 2,892,753, 6-30-59, Cl. 167-65.
- Schmidt Mfg. Co.: See—
- Schmidt, Clayton E. 2,869,587.
- Schmidt, Maximilian P., and O. Söls. Light-sensitive material for the photomechanical reproduction and process for the production of images. 2,907,655, 10-6-59, Cl. 96-33.
- Schmidt, Morton, to Schmidt Lithograph Co. Pallet for sheet feeding machine. 2,898,105, 8-4-59, Cl. 271-62.
- Schmidt, Paul: See—
- Druey, Jean, and Schmidt. 2,868,803.
- Schmidt, Paul. Pulse jet engine with acceleration chamber. 2,872,780, 2-10-59, Cl. 60-35.6.
- Schmidt, Paul. Overhead toolbox. 2,903,316, 9-8-59, Cl. 312-253.
- Schmidt, Paul F., to Philco Corp. Electrochemical method and solution therefor. 2,909,470, 10-20-59, Cl. 204-14.
- Schmidt, Reinhold C., Jr. Machine tool accessory. 2,908,303, 10-13-59, Cl. 144-290.
- Schmidt, Robert C., and J. C. Filmer, to Varian Associates. Charged particle emitter apparatus. 2,888,591, 3-26-59, Cl. 313-305.
- Schmidt, Samuel S. Automatic hydraulic power unit. 2,896,410, 7-28-59, Cl. 60-52.
- Schmidt, Stanley A., and F. H. Hardy, to General Electric Co. Meter mounting. 2,880,350, 3-31-59, Cl. 317-109.
- Schmidt, Theodore F. Folding stand. 2,867,485, 1-6-59, Cl. 311-84.
- Schmidt, Vernon E., to The Baldwin Piano Co. Code generator. 2,907,996, 10-6-59, Cl. 340-345.
- Schmidt, Warren J.: See—
- Mindt, Frederick E., and Schmidt. 2,900,603.
- Schmidt, Warren J., to Westinghouse Electric Corp. Electrical measuring device. 2,871,421, 1-27-59, Cl. 317-167.
- Schmidt, Warren J., and F. V. Kadri, to Westinghouse Electric Corp. Alternating current responsive devices. 2,871,448, 1-27-59, Cl. 324-138.
- Schmidt, Warren J., and W. Axman, to Westinghouse Electric Corp. Magnetic damping assembly. 2,879,479, 3-24-59, Cl. 324-152.
- Schmidt, Warren J., and W. Axman, to Westinghouse Electric Corp. Meter circuit protective means. 2,889,494, 6-2-59, Cl. 317-108.
- Schmidt, Warren J., and E. T. Rudy, to Westinghouse Electric Corp. Electrical measuring device. 2,900,604, 8-18-59, Cl. 324-138.
- Schmidt, Werner, to Karl Schmidt Metallschmelzwerk G.m.b.H. Apparatus for the introduction of substances into liquids of high specific gravity. 2,890,039, 6-9-59, Cl. 260-34.
- Schmidt, Wilhelm: See—
- Baffrey, Anton R., Hofmeir, Schmidt, and Hormann. 2,895,034.
- Schmidt, Willi, to Alfred Teves Maschinen- und Armaturen-fabrik K.G. Linkage for vehicle power drives. 2,911,850, 11-10-59, Cl. 74-526.
- Schmidt, William C., to The Cincinnati Butchers' Supply Co. Agitating apparatus. 2,869,840, 1-20-59, Cl. 259-45.
- Schmidt, William C., to The Cincinnati Butchers' Supply Co. Self locking agitator assembly. 2,869,842, 1-20-59, Cl. 259-109.
- Schmidt, William C., to The Cincinnati Butchers' Supply Co. Agitating apparatus. 2,879,043, 3-24-59, Cl. 259-45.
- Schmidt, William D., and A. F. Townsend, to The Heald Machine Co. Grinding machines. 2,909,009, 10-20-59, Cl. 51-88.
- Schmidt, Willy A., and R. F. Coles, to General Aniline & Film Corp. 5-amino-S-hydroxyquinolines as coupling components for azine dye images. 2,886,436, 5-12-59, Cl. 96-55.
- Schmidt, Wolfgang: See—
- Lautenschlager, Hans, Friederich, Schmidt, and Dachs. 2,907,755.
- Schmidt-Barbo, Dieter: See—
- Ruschig, Heinrich, Siedel, Leditschke, Schorr, Schmidt-Barbo, and Lammier. 2,875,205.
- Schmidt-Nickels, Wilhelm: See—
- Randall, David I., and Schmidt-Nickels. 2,870,168.
- Schmidt-Nickels, Wilhelm, and C. M. Smith, to General Aniline & Film Corp. Polypyrazolone pigments. 2,903,462, 9-8-59, Cl. 260-310.
- Schmidt-Thomé, Josef: See—
- Ehrhart, Gustav, Ruschig, Schmidt-Thomé, Haede, and Fritsch. 2,912,444.
- Schmidt-Thomé, Georg: See—
- Pasched, Heinrich, and Schmidt-Thomé. 2,879,305.
- Schmid, Joseph M., to St. Regis Paper Co. Method and apparatus for setting up box blanks. 2,868,093, 1-13-59, Cl. 93-49.
- Schmieding, Warren H. F.: See—
- Fleener, Austin E. 2,908,435.
- Vogel, Arthur E. 2,903,271.
- Schmier, Jacob, to Rodale Mfg. Co., Inc. Combination plug-in electrical socket and switch. 2,905,779, 9-22-59, Cl. 200-51.17.
- Schmitt, Roger A., to Teletype Corp. Backspace mechanism. 2,886,638, 5-12-59, Cl. 178-25.
- Schmitt, Friedrich: See—
- Heyden, Rudi, Plapper, and Schmitt. 2,890,096.
- Schmitt, Hans, G. Siebel, D. Altenpohl, H. Hng, and J. Nuesch, to Aluminium-Industrie-Aktien-Gesellschaft. Aluminum foil for electrolytic condensers. 2,886,432, 5-12-59, Cl. 75-138.
- Schmitt, James C.: See—
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- Schmitt, Joy B.: See—
- Peeps, Donald J., and Schmitt. 2,905,198.
- Schmitt, Milton G.: See—
- Downs, Martin L., and Schmitt. 2,868,685.
- Schmitt, Otto L., and F. E. Lawrence, to Larré Laboratories, Inc. Cervical cannulas. 2,896,614, 7-28-59, Cl. 128-131.
- Schmitt, Robert O., to The Buckeye Cellulose Corp. Miscella refining. 2,878,275, 3-17-59, Cl. 260-426.
- Schmitt, William F., to Sperry Rand Corp. Shifting register with passive intermediate storage. 2,888,667, 5-26-59, Cl. 340-174.
- Schmitter, Walter P., to The Falk Corp. Speed reducer. 2,869,384, 1-20-59, Cl. 74-420.
- Schmitter, Walter P., to The Falk Corp. Variable speed transmission. 2,874,582, 2-24-59, Cl. 74-230.17.
- Schmitter, Walter P., to The Falk Corp. Shaft coupling. 2,893,224, 7-7-59, Cl. 64-14.
- Schmitter, Walter P., to The Falk Corp. Flexible shaft-coupling. 2,907,188, 10-6-59, Cl. 64-11.
- Schmitz, Adolf, and G. Cramer, to Th. Goldschmidt, A.G. Amphoteric surface-active organic compounds. 2,907,791, 10-6-59, Cl. 260-519.
- Schmitz, Andreas: See—
- Graulich, Wilhelm, Schmitz, Berlenbach, and Muller. 2,897,101.
- Schmitz, Doris R., to Bell Telephone Laboratories, Inc. Miniature inductive assembly. 2,889,524, 6-2-59, Cl. 336-192.



- Schmitz, Howard E., to Shell Development Co. Method of inhibiting squawking in mineral oil transmission fluids. 2,913,415, 11-17-59, Cl. 252-78.
- Schmitz, James E. and V. O. Combination foot controlled swing cut-off miter and rip saw. 2,872,955, 2-10-59, Cl. 143-46.
- Schmitz, John V., and E. J. Lawton, to General Electric Co. Process of applying protective coatings by means of high energy electrons. 2,900,277, 8-18-59, Cl. 117-93.
- Schmitz, Joseph: See—
- Cserny, Ludwig, and Schmitz. 2,897,171.
- Schmitz-Josten, Robert, to Farbenfabriken Bayer Aktiengesellschaft. Process for polymerizing ethylenically unsaturated compounds using a sulfur containing catalyst. 2,900,360, 8-18-59, Cl. 260-45.4.
- Schmitz, Ludwig: See—
- Bruckner, Paul, Capeller, Erk, Gottwald, Heyser, Schmitz, and Vedder. 2,892,062.
- Schmitz, Paul: See—
- Von Friedrich, Adolf, Legrand, Schmitz, and Holzrichter. 2,872,445.
- Schmitz, Richard P. Post hole tamper. 2,884,842, 5-5-59, Cl. 54-49.
- Schmitz, Vincent O.: See—
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- Schmitz, William R.: See—
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- Hawkinson, Alfred T., and Schmitz. 2,910,504.
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- Villepigue, Julius G., and Schmued. 2,869,464.
- Schmued, Edgar, to Northrop Aircraft, Inc. Rocket and launching mechanism. 2,871,762, 3-2-59, Cl. 89-17.
- Schmutz, Jean, to The Wander Co. Thioxanthene derivative. 2,905,590, 9-22-59, Cl. 167-65.
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- Schnabel, Fred C. Article holder for sun visors. 2,908,434, 10-13-59, Cl. 224-42.2.
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- Schnacke, Richard N., to Kaiser Aluminum & Chemical Corp. Apparatus for continuous casting. 2,891,291, 6-23-59, Cl. 22-57.2.
- Schnacke, Walter H. Internal combustion engine starter. 2,868,186, 1-13-59, Cl. 123-185.
- Schnalth, Robert P., and M. L. Kallnowski, to Standard Oil Co. Color stable heater oils. 2,906,611, 9-29-59, Cl. 44-72.
- Schnapf, Abraham: See—
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- Schneeman, Justin G. Vertical industrial X-ray fluoroscope. 2,894,140, 7-7-59, Cl. 250-52.
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- Schneider, Emmor V., to The Alliance Mfg. Co. Division of Consolidated Electronics Industries Corp. Brush holder structure. 2,883,567, 4-21-59, Cl. 310-247.
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- Schneider, Frederick E. W., to Engel & Gibbs Ltd. Erection systems for gyroscopes. 2,900,826, 8-25-59, Cl. 74-5.47.
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- Schneider, Harry D., to United States Rubber Co. Building form. 2,908,040, 10-13-59, Cl. 18-41.
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- Schneider, Henry J., to Rohm & Haas Co. Preparation of vinyl sulfides. 2,890,224, 6-9-59, Cl. 260-329.
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Schofield, Wentworth H., to United States of America, Army. Gun fire dead area control apparatus. 2,913,961, 11-24-59, Cl. 89-41.  
Schohan, George. Full-wave magnetic amplifier arrangements. 2,919,395, 12-29-59, Cl. 323-89.  
Scholdstrom, Karl O. R., to Svenska Aktiebolaget Gasaccumulator. Photoelectric device. 2,884,542, 4-28-59, Cl. 250-216.

Schöler, Alfred, to Vorwerk & Sohn. Curtain suspending devices. 2,884,055, 4-28-59, Cl. 160-348.  
Scholes, Thomas: See—  
Smith, Eric, and Scholes. 2,914,788.  
Scholl, Carl W.: See—  
Scholl, Harold W., and C. W. 2,915,921.  
Scholl, Harold W., and C. W. 2,919,333.  
Scholl, Harold W., and C. W. Indexing mechanism. 2,915,921, 12-8-59, Cl. 74-815.  
Scholl, Harold W., and C. W. Electrical switch mechanism. 2,919,333, 12-29-59, Cl. 200-160.  
Scholl, Edward C., to United Gilsonite Laboratories. Water reducible texture paint. 2,880,104, 3-31-59, Cl. 106-128.  
Scholl Mfg. Co., Inc.: See—  
Levitt, Milton R. 2,888,013.  
Levitt, Milton R. 2,918,056.  
Levitt, Milton R. 2,918,057.  
Levitt, Milton R. 2,918,058.  
Levitt, Milton R. 2,918,059.  
Scholl, Walter H. Illuminated changeable color lawn sprinkler. 2,877,052, 3-10-59, Cl. 299-4.  
Scholl, William M. Stabilizing and foot supporting sandal. 2,894,338, 7-14-59, Cl. 36-8.5.  
Scholl, William M. Plastic foam powder puff. 2,904,814, 9-22-59, Cl. 15-244.  
Scholl, William M. Method of fitting an orthopedic article of footwear. 2,917,757, 12-22-59, Cl. 12-146.  
Scholl, William M. Bonded fleece laminated cushioning insole. 2,917,807, 12-22-59, Cl. 28-80.  
Scholl, William M. Foot cushioning devices. 2,917,842, 12-22-59, Cl. 36-71.  
Scholl, William M. Foot cushioning device with secured pad. 2,917,843, 12-22-59, Cl. 36-71.  
Scholl, William M. Laminated foot cushioning device with pocketed lift. 2,917,844, 12-22-59, Cl. 36-71.  
Scholl, William M. Foot cushioning and supporting device. 2,917,845, 12-22-59, Cl. 36-71.  
Scholl, William M. Foot supporting cushion. 2,917,846, 12-22-59, Cl. 36-71.  
Scholl, William M. Foot cushioning device with added lift. 2,917,847, 12-22-59, Cl. 36-71.  
Scholl, William M. Light weight foot supporting device. 2,917,848, 12-22-59, Cl. 36-71.  
Scholl, William M. Shock absorbing insole and arch cushion. 2,917,849, 12-22-59, Cl. 36-71.  
Scholl, William M. Long wearing foot relieving device. 2,917,850, 12-22-59, Cl. 36-71.  
Scholl, William M. Medicinal plaster or bandage. 2,918,062, 12-22-59, Cl. 128-153.  
Scholle Chemical Corp.: See—  
Scholle, William R. 2,898,027.  
Scholle, William R., to Scholle Chemical Corp. Container for fluent materials. 2,898,027, 8-4-59, Cl. 229-14.  
Schollenberger, Charles S., to The R. F. Goodrich Co. Stimulated vulcanizates of polyurethane elastomers. 2,871,218, 1-27-59, Cl. 260-45.4.  
Schollenberger, Charles S., to The R. F. Goodrich Co. Polyurethane elastomers from hydroxyl poly (alkylene oxide)s, aliphatic glycols and diphenyl diisocyanates. 2,899,411, 8-11-59, Cl. 260-77.5.  
Schollkopf, Gottfried. Safety stop for spindles. 2,902,818, 9-8-59, Cl. 57-132.  
Scholtes, Donald R., to Westinghouse Electric Corp. Electric discharge apparatus. 2,879,386, 3-24-59, Cl. 250-27.  
Scholz, Edwin R. Collapsible rack. 2,893,568, 7-7-59, Cl. 211-178.  
Scholz, Hans, to Dortmund-Hoerder Huttenunion Aktiengesellschaft. Apparatus for the combustion of liquid fuels. 2,905,234, 9-22-59, Cl. 158-76.  
Scholz, Heinrich, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for preventing the agglomeration of hexamethylene tetramine. 2,912,435, 11-10-59, Cl. 260-248.5.  
Scholz, Josef: See—  
Ruschig, Heinrich, Wagner, Aumüller, Korgler, Scholz, and Bander. 2,891,960.  
Scholz, Ole G., to North American Phillips Co., Inc. Radiator for short-wave devices. 2,897,494, 7-28-59, Cl. 343-749.  
Scholzel, Karl, to M. Braun. Method of applying a ferromagnetic surface to a base utilizing iron carbonyl and oxygen. 2,919,207, 12-29-59, Cl. 117-106.  
Schomers, William H. Ski mounted vehicle. 2,905,479, 9-22-59, Cl. 280-16.  
Schön, Richard, to Vyzkumny a zkušební letecký ústav. Stabilizing system for helicopter aircraft. 2,919,081, 12-29-59, Cl. 244-17.13.  
Schonbeck, Heinz, to Deutsche Gasrusswerke G.m.b.H. Granulating process and apparatus. 2,888,334, 5-26-59, Cl. 23-314.  
Schonberg, Endre, and K. Wilbrink, to American Enka Corp. Polyamide coating composition dissolved in heated azeotropic mixture of 2-chloro-ethanol and water and method of application. 2,882,186, 4-14-59, Cl. 117-161.  
Schone, Paul H., to National-Standard Co. Metal sheet handling apparatus. 2,880,846, 4-7-59, Cl. 198-102.  
Schonfeld, Fred W., to United States of America, Atomic Energy Commission. Plutonium-thorium alloys. 2,904,429, 9-15-59, Cl. 75-122.7.  
Schonfeld, Fred W., and C. R. Tipton, Jr., to United States of America, Atomic Energy Commission. Plutonium-aluminum alloys. 2,885,283, 5-5-59, Cl. 75-122.5.

Schonfeld, Fred W., and A. S. Coffinberry, to United States of America, Atomic Energy Commission. Plutonium-uranium alloy. 2,902,362, 9-1-59, Cl. 75-122.7.  
Schonfeld, Henry. Split bolt radially expandable to size and locked by means of tapered core pin. 2,892,376, 6-30-59, Cl. 85-2.  
Schönherr, Manfred, to Institut Fur Werkzeugmaschinen. Control devices for hydraulic drives. 2,917,028, 12-15-59, Cl. 121-147.  
Schonhoff, John A., and W. J. Borkowski, to Maryland Shipbuilding and Drydock Co. Dummy load resistor. 2,868,932, 1-13-59, Cl. 201-57.  
Schonrock, Edwin A. Long wheel base tandem unit for dump trucks and trailers. 2,883,237, 4-21-59, Cl. 298-17.  
Schonstedt, Erick O. Saturable measuring device and magnetic core therefor. 2,916,696, 12-8-59, Cl. 324-43.  
Schonzeit, Hyman G. Laminating apparatus. 2,903,040, 9-8-59, Cl. 154-1.  
Schoonmaker, Edward B.: See—  
Wangerlin, Elmer O., and Schoonmaker. 2,912,899.  
Schoonover, Slias M. Trowel filling tool. 2,871,729, 2-3-59, Cl. 76-82.  
Schopf, Homer G.: See—  
Newell, Robert C., and Schopf. 2,885,819.  
Schopp, James C., to Radio Corp. of America. Multi-beam convergence system. 2,903,622, 9-8-59, Cl. 315-27.  
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Schopper, Erwin, and B. Schumacher. Apparatus for the treatment of substances with corpuscular rays. 2,899,556, 8-11-59, Cl. 250-49.5.  
Schor, Ferdinand W., to Standard Coil Products Co., Inc. Synchronizing circuit for color television receivers. 2,884,481, 4-28-59, Cl. 178-5.4.  
Schor, Joseph. Pie cutter. 2,873,780, 2-17-59, Cl. 146-150.  
Schork, Rudolf: See—  
Puttfarcken, Heinrich, and Schork. 2,901,034.  
Schorken, Frederick L.: See—  
Irthum, Harold J., and Schorken. 2,894,635.  
Schorr, Manfred: See—  
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Schory, Kenneth P., M. Turko, and J. H. Konefes, to Amana Refrigeration, Inc. Refrigerator door structure. 2,898,174, 8-4-59, Cl. 312-295.  
Schory, Kenneth P., and M. Turko, to Amana Refrigeration, Inc. Refrigerator door structure. 2,903,315, 9-8-59, Cl. 312-214.  
Schossberger, Frederick V., and D. K. Werle, to Uarco Inc. Manifold sheet having a frangible coating thereon. 2,890,969, 6-16-59, Cl. 117-36.  
Schott, Andrew F. Abacus with magnetic means for holding unit counters in position. 2,872,742, 2-10-59, Cl. 33-33.  
Schott, Arthur K.: See—  
Bennett, James T., and Schott. 2,882,971.  
Schott, Arthur K., to G. F. Wales. Perforating implement having means to align the punch and die. 2,893,488, 7-7-59, Cl. 164-110.  
Schott, Charles W., to Crucible Steel Co. of America. Method of recovering difficultly oxidizable metals from alloys, grinding dust, ores, mill scale and the like. 2,902,359, 9-1-59, Cl. 75-82.  
Schott, Donald E., to Thomas C. Wilson, Inc. Torque controls. 2,884,814, 5-5-59, Cl. 74-785.  
Schott, Gaylord A. Attachment for spray containers. 2,868,421, 1-13-59, Cl. 222-473.  
Schott, Howard H.: See—  
Burmeister, Earl R., and Schott. 2,878,600.  
Burmeister, Earl R., and Schott. 2,878,601.  
Schott, John E., to Socony Mobil Oil Co., Inc. Greases stabilized with organic carbonates. 2,871,191, 1-27-59, Cl. 252-40.3.  
Schott, John E., to Socony Mobil Oil Co., Inc. Grease composition and method of preparation thereof. 2,898,297, 8-4-59, Cl. 252-36.  
Schott, Lawrence A. Direct drive variable ratio hydraulic transmission of the automatic or manual type. 2,874,533, 2-24-59, Cl. 60-19.  
Schott, Lewis: See—  
McAneny, Michael J. 2,870,503.  
Schott, Lewis M.: See—  
Crammond, Earle D. 2,914,827.  
Schott Metal Products Co.: See—  
Slezak, Raymond J. 2,898,445.  
Schott, Stuart: See—  
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Hansley, Virgil L., and Schott. 2,915,564.  
Schott, Stuart, and V. L. Hansley, to National Distillers and Chemical Corp. Process of preparing massive zirconium particles. 2,880,084, 3-31-59, Cl. 75-84.5.  
Schotz, Otto W.: See—  
Neracher, Carl A., Dunn, Iavelli, Syrov, and Schotz. 2,916,929.  
Neracher, Carl A., Dunn, Iavelli, Syrov, and Schotz. 2,916,933.  
Neracher, Carl A., Dunn, Iavelli, Syrov, and Schotz. 2,916,936.  
Neracher, Carl A., Dunn, Iavelli, Syrov, and Schotz. 2,916,940.  
Patterson, Herbert F., and Schotz. 2,916,935.

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Van Lohuizen, Otto E., Mouton, and Schouteden. 2,867,650.  
Schouten, Wilhelmus J., to N.V. Het Spoorwegbouwbedrijf. Screening device for a revolving tool. 2,896,679, 7-28-59, Cl. 144-251.  
Schow, Charles C. Traction controlling means. 2,868,538, 1-13-59, Cl. 267-67.  
Schowalter, Clarence H., and L. J. Grauel, to Fairbanks, Morse & Co. Fuel control mechanism for diesel engines. 2,908,258, 10-13-59, Cl. 123-27.  
Schowerer, George J., and M. Sorkin, to Champlain Co., Inc. Registration control apparatus. 2,888,260, 5-26-59, Cl. 271-2.6.  
Schrack, Eduard. Control circuit for magnetic switch. 2,906,927, 9-29-59, Cl. 317-151.  
Schrade, Theodore G. Child's behavior recording and incentive device. 2,918,730, 12-29-59, Cl. 35-23.  
Schrade, William A., and R. D. Clemson, to Clemson Bros., Inc. Lawn mower wheel. 2,871,647, 2-3-59, Cl. 56-249.  
Schrader, Constance A. Child's toilet seat. 2,888,656, 6-2-59, Cl. 4-239.  
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Dorken, August, and Schrader. 2,910,501.  
Lorenz, Walter, Muhlmann, and Schrader. 2,915,546.  
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Schegk, Ernst, and Schrader. 2,894,017.  
Schegk, Ernst, and Schrader. 2,916,509.  
Schrader, Gerhard, to Farbenfabriken Bayer Akt. Thiophosphoric acid esters and process for their manufacture. 2,870,191, 1-20-59, Cl. 260-461.  
Schrader, Gerhard, to Farbenfabriken Bayer Akt. Substituted mercaptoalkyl esters of phosphoric acids and their derivatives. 2,881,201, 4-7-59, Cl. 260-461.  
Schrader, Gerhard, to Farbenfabriken Bayer Akt. Thiophosphoric acid esters and their production. 2,894,973, 7-14-59, Cl. 260-461.  
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphoric acid esters and their production. 2,909,557, 10-20-59, Cl. 260-461.  
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Phosphonic acid esters and a process for their production. 2,918,488, 12-22-59, Cl. 260-461.  
Schrader, Gerhard, and R. Mersch, to Farbenfabriken Bayer Akt. O,O-dimethyl-O-(4-chloro-3-nitrophenyl)-thiophosphoric acid esters and their preparation. 2,870,187, 1-20-59, Cl. 260-461.  
Schrader, Gerhard, and W. Lorenz, to Farbenfabriken Bayer Aktiengesellschaft. Phenyl sulfoxo and lower alkyl sulfoxo O,O-di (lower alkyl) thiophosphate esters and process for preparation. 2,910,500, 10-27-59, Cl. 260-461.  
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Schrader, Gerhard, and W. Lorenz, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphoric acid esters and their production. 2,914,530, 11-24-59, Cl. 260-248.  
Schrader, Loren E., to Ironrite Inc. Emergency release mechanism for ironing machine. 2,878,599, 3-24-59, Cl. 38-58.  
Schrader, Loren E., to Ironrite, Inc. Emergency release mechanism. 2,895,240, 7-21-59, Cl. 38-59.  
Schrader, Paul G.: See—  
Partansky, Alexander M., and Schrader. 2,897,180.  
Schrader, Robert J.: See—  
Hull, David C., and Schrader. 2,918,701.  
Schrader, Victor H., to E. I. du Pont de Nemours and Co. Forwarding device. 2,907,291, 10-6-59, Cl. 112-211.  
Schrage, Frederick S., to G. D. Shawver. Sectional vehicle. 2,895,279, 7-21-59, Cl. 56-26.  
Schraivogel, Rainer A., to North American Phillips Co., Inc. Communication system for the transmission of signals through a cable. 2,881,396, 4-7-59, Cl. 333-16.  
Schram, Orland L.: See—  
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Schrameck, Jack E., and O. H. Sales, to Westinghouse Electric Corp. Switchgear apparatus. 2,919,816, 12-29-59, Cl. 200-30.  
Schramm, Arthur G. Elevatable wide bed trailers. 2,905,345, 9-22-59, Cl. 214-505.  
Schramm, Arthur G. Manually operated open bed elevatable trailers. 2,905,481, 9-22-59, Cl. 280-43.18.  
Schramm, Carl H., to Lockheed Aircraft Corp. Movable ballast system for aircraft. 2,916,232, 12-8-59, Cl. 244-93.  
Schramm, Charles H.: See—  
Henderson, Lloyd F., and Schramm. 2,877,187.  
Schramm, Edward, to Onondaga Pottery Co. Sagger pin. 2,908,960, 10-20-59, Cl. 25-153.  
Schramm, Harry B.: See—  
Fredd, John V., and Schramm. 2,908,330.  
Schramm, Harry B., to Otis Engineering Corp. Locking means for well tools. 2,901,045, 8-25-59, Cl. 166-125.  
Schramm, Harry B., and J. V. Fredd, to Otis Engineering Corp. Well tools. 2,894,586, 7-14-59, Cl. 166-125.  
Schramm, Harry B., and P. S. Sizer, to Otis Engineering Corp. Pressure responsive valve. 2,911,997, 11-10-59, Cl. 137-461.  
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Hannum, Clair T., and Schramm. 2,898,101.



- Schramm, Henry W., W. H. Tollefarud, and A. G. Parkes, to Surface Combustion Corp. Atmosphere furnace. 2,917,297, 12-15-59, Cl. 263-21.
- Schramm, Martin G., Spark modifier for spark plugs and ignition systems. 2,899,478, 8-11-59, Cl. 123-148.
- Schrampp, Joseph M., to United States of America, Air Force. Ruggedized attenuator insert. 2,895,117, 7-14-59, Cl. 338-309.
- Schrank, Edwin P., to Selberling Rubber Co. Sidewall buffing machine for pneumatic tires. 2,893,172, 7-7-59, Cl. 51-3.
- Schrank, George I.: See—
- Olson, Walter J., Parsons, and Schrank. 2,893,208.
- Schranz, Hubert, to Metallgesellschaft A.G. Process of reducing the consistency of solid-and-liquid mixtures. 2,899,392, 8-11-59, Cl. 252-60.
- Schraufstatter, Ernst, and W. Grab, to Schenley Industries, Inc. Acyl derivatives of 4,6-dihydroxy-isophthalic acid. 2,903,444, 9-8-59, Cl. 260-211.
- Schray, Walter H.: See—
- Brooks, William, Schray, and Davis. 2,890,059.
- Davis, Lynn N., and Schray. 2,893,123.
- Schreck, Irvin F., Front wheel drive tow tractor. 2,878,884, 3-24-59, Cl. 180-12.
- Schreiber, Albert: See—
- Hilfiker, Hans, and Schreiber. 2,904,654.
- Schreiber, Carl W., to Owens-Illinois Glass Co. Glassware transfer mechanism. 2,904,161, 9-15-59, Cl. 198-25.
- Schreiber, Charles A., to Dorr-Oliver Inc. Feedwells for sedimentation tanks. 2,894,637, 7-14-59, Cl. 210-519.
- Schreiber, Charles F., Radius grinding fixture. 2,883,808, 4-28-59, Cl. 51-218.
- Schreiber, Charles M.: See—
- Gulley, Ronald A., Harvey, and Schreiber. 2,868,130.
- Schreiber, Ernst, to VEB Werk für Fernmeldewesen. Circuit arrangement for electrical musical instruments. 2,897,361, 7-28-59, Cl. 250-27.
- Schreiber, Ernst, to VEB Werk für Fernmeldewesen. Electrical musical instrument. 2,907,244, 10-6-59, Cl. 84-119.
- Schreiber, Everett R., Gun barrel and gun stock assembly. 2,867,931, 1-13-59, Cl. 42-75.
- Schreiber, L. D., & Co., Inc.: See—
- Hannon, Gilbert H., and De Nucci. 2,884,604.
- Hannon, Gilbert H., and De Nucci. 2,903,793.
- Schreiber, Louis, to Carolina Textile Engraving Co. Machine for making photoprints on printing cylinders. 2,898,834, 8-11-59, Cl. 95-77.5.
- Schreiber, Patrick Q. R., Machine for cutting leaf tobacco. 2,874,739, 2-24-59, Cl. 146-119.
- Schreiber, Patrick Q. R., Machine for cutting leaf tobacco. 2,910,103, 10-27-59, Cl. 146-119.
- Schreiber, William F., to Sylvania Electric Products, Inc. Cathode ray tube counting device. 2,870,369, 1-20-59, Cl. 315-10.
- Schreiber, William F., to Sylvania Electric Products Inc. Cathode ray tube counting device. 2,903,616, 9-8-59, Cl. 315-10.
- Schreiber, William F., to Technicolor Corp. Spurious contour reduction system. 2,916,549, 12-8-59, Cl. 178-7.5.
- Schreiner, Edmund D.: See—
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- Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,901,734.
- Schreiner, George A., to Chubb, Peabody & Co., Inc. Compressive shrinking machine. 2,885,763, 5-12-59, Cl. 26-18.6.
- Schreiner, Kenneth E., to International Business Machines Corp. Synchronization of display means to specific microsecond interval. 2,875,951, 3-3-59, Cl. 235-153.
- Schreiner, Louis W., to Raytheon Mfg. Co. Tunable end-load lines with screw adjustment for tracking tuning capacitors. 2,871,359, 1-27-59, Cl. 250-40.
- Schreiner, Max P., to Texas Instruments Inc. Gas soldering tool. 2,878,359, 3-17-59, Cl. 219-26.
- Schreiner, Paul E., to Continental Steel Corp. Bundle receiving and stripping mechanism for wire draw blocks. 2,910,171, 10-27-59, Cl. 205-20.
- Schreiner, Warren C., and N. Walen, Jr., to The M. W. Kellogg Co. Method of removing acidic components from gaseous mixtures. 2,912,301, 11-10-59, Cl. 23-3.
- Schremp, Frederick W., to Sperry Rand Corp. Variable letter space and margin control mechanism for typewriters. 2,919,007, 12-29-59, Cl. 197-84.
- Schremp, Ernst, to Pitney-Bowes, Inc. Piece printing and ejecting device. 2,871,781, 2-3-59, Cl. 101-235.
- Schrenk, Alfred, to Gebrüder Buehler. Apparatus for the production of alimentary paste products. 2,905,109, 9-22-59, Cl. 107-4.
- Schrenk, Alfred, to Gebrüder Buehler. Apparatus for the drying of spaghetti and the like. 2,918,728, 12-29-59, Cl. 34-1.
- Schrenk, Hans A., to American Enka Corp. Method and apparatus for forming cords. 2,913,867, 11-24-59, Cl. 57-58.3.
- Schrenk, Hans A., and P. van Dijk, to American Enka Corp. Thread twisting apparatus. 2,893,198, 7-7-59, Cl. 57-77.3.
- Schrenk, Hans A., and J. W. I. Heijnis, to American Enka Corp. Plying device. 2,902,817, 9-8-59, Cl. 57-58.36.
- Schreter, Robert E., and A. J. Turpin, to Hauck Mfg. Co. Proportional mixer. 2,905,543, 9-22-59, Cl. 48-184.
- Schrewe, Hans: See—
- Bungeroth, Adolf, Speith, and Schrewe. 2,895,190.
- Schreyer, Edward P., Steam generators. 2,875,314, 2-24-59, Cl. 219-38.
- Schreyer, Ralph C., to E. I. du Pont de Nemours and Co. Catalyst compositions comprising a titanium dibalide. 2,899,416, 8-11-59, Cl. 260-94.9.
- Schricker, Otto, Jr., to Esso Research and Engineering Co. Hydroforming process with molybdena on alumina-silica catalyst. 2,916,439, 12-8-59, Cl. 208-136.
- Schrider, Alfred: See—
- Nielson, Carl A., Bushey, and Currens. 2,888,921.
- Schriever, Arnold A., and V. L. Johnson. Cow barn gutter grate. 2,868,169, 1-13-59, Cl. 119-28.
- Schriever, William W., to Jersey Production Research Co. Vertical velocity dynamic geophone. 2,902,667, 9-1-59, Cl. 340-17.
- Schriner, John E., to The Eagle-Picher Co. Method of making multi-surfaced sheet material. 2,914,437, 11-24-59, Cl. 154-95.
- Schriner, John E., and C. R. Masters, to The Eagle-Picher Co. Method of making a contoured floor mat. 2,915,427, 12-1-59, Cl. 154-110.
- Schrock, Norman B., C. J. Clement, Jr., and G. O. Herreman, to Hewlett-Packard Co. Probe assembly. 2,894,205, 7-7-59, Cl. 324-72.5.
- Schrode, Anton: See—
- Magg, Alfred H., Jedlitschka, Schrode, and Schmah. 2,906,138.
- Schroder, Anton: See—
- Jahnel, Ernst. 2,874,805.
- Schroder & Co.: See—
- Knollenberg, Rudolf, and Hahn. 2,915,401.
- Schroder, Franz G., Steam power installations. 2,918,798, 12-29-59, Cl. 60-73.
- Schröder, Heinrich, to International Standard Electric Corp. Polarized relay. 2,911,574, 11-3-59, Cl. 317-150.
- Schröder, Konstantin: See—
- Jabczynski, Hans-Joachim, Tiesler, Lurk, and Schröder. 2,868,883.
- Schroder, Lothar: See—
- Asinger, Friedrich, Thiel, Schroder, and Reckling. 2,870,158.
- Schroder, Theodor: See—
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- Sachsenröder, Gustav, Sr., and Schroder. 2,913,271.
- Schroeder, Albert A.: See—
- Schroeder, George M. and A. A. 2,912,210.
- Schroeder, Alfred C.: See—
- Gibson, Walter G., and Schroeder. 2,882,335.
- Gibson, Walter G., and Schroeder. 2,899,495.
- Gibson, Walter G., and Schroeder. 2,916,544.
- Pritchard, Dalton H., and Schroeder. 2,884,480.
- Pritchard, Dalton H., and Schroeder. 2,892,028.
- Schroeder, Arlo E., Automatic shotgun choke. 2,883,782, 4-28-59, Cl. 42-79.
- Schroeder, Arthur C., to Schroeder Machines Corp. Package handling apparatus. 2,879,637, 3-31-59, Cl. 53-61.
- Schroeder, Arthur M., Stack top. 2,903,956, 9-15-59, Cl. 98-84.
- Schroeder Brothers Corp.: See—
- Schroeder, John S. 2,870,786.
- Schroeder, John S. 2,882,854.
- Schroeder, Carl J., to The Chemical Rubber Co. Racks for washing machine. 2,875,916, 3-3-59, Cl. 220-19.
- Schroeder, Carl W.: See—
- Condo, Fred E., and Schroeder. 2,886,472.
- Schroeder, Carl W., to Shell Development Co. Polyepoxide emulsions and method of treating textiles therewith. 2,872,427, 2-3-59, Cl. 260-29.2.
- Schroeder, Carl W., to Shell Development Co. Polyepoxide emulsions and method of treating textiles therewith. 2,872,428, 2-3-59, Cl. 260-29.2.
- Schroeder, Carl W., to Shell Development Co. Process for treating textile materials and resulting products. 2,886,473, 5-12-59, Cl. 117-143.
- Schroeder, Carl W., to Shell Development Co. Process for treating fibrous materials to improve adhesion to rubber and resulting products. 2,902,398, 9-1-59, Cl. 154-139.
- Schroeder, Carl W., to Shell Development Co. Treatment of synthetic textiles with a polyepoxide having a plurality of 1,2 epoxy groups. 2,903,381, 9-8-59, Cl. 117-138.8.
- Schroeder, Carl W., to Shell Development Co. Salts of polyamine polyepoxide adducts and their use as curing agents for polyepoxides. 2,909,448, 10-20-59, Cl. 117-141.
- Schroeder, Carl W., to Shell Development Co. Preparation of paper having improved wet strength. 2,913,356, 11-17-59, Cl. 117-155.
- Schroeder, Charles J.: See—
- Johnson, Samuel J., and Schroeder. 2,891,612.
- Schroeder, Charles S., to The Yale & Towne Mfg. Co. Inching control for torque transmission. 2,883,015, 4-21-59, Cl. 192-4.
- Schroeder, Charles S., to The Yale & Towne Mfg. Co. Concealed door closer. 2,899,701, 8-18-59, Cl. 16-64.
- Schroeder, Charles S., to The Yale & Towne Mfg. Co. Arm adjustment for concealed door closer. 2,903,733, 9-15-59, Cl. 16-49.
- Schroeder, Charles W., to Thomas J. Lipton, Inc. Manufacture of an improved tea product. 2,891,866, 6-23-59, Cl. 99-77.

- Schroeder, Christie L.: See—
- Jackson, Nolan, C., and Schroeder. 2,872,718.
- Schroeder, Collin H., and K. P. Link, to Wisconsin Alumni Research Foundation. Process for the preparation of 4-hydroxycoumarin derivatives. 2,872,457, 2-3-59, Cl. 260-343.2.
- Schroeder, Donald E.: See—
- Gallagher, William P., Stolle, and Schroeder. 2,886,106.
- Schroeder, George F., to Sperry Rand Corp., Ford Instrument Co. Division. Correction system for mass shift in gyros. 2,895,339, 7-21-59, Cl. 74-547.
- Schroeder, George M. and A. A. Fluorescent lighting transformer mounting. 2,912,210, 11-10-59, Cl. 248-346.
- Schroeder, George W., to General Electric Co. Range oven control. 2,889,800, 6-9-59, Cl. 116-124.
- Schroeder, Hansjuergen, and C. J. Grundmann, to Olin Mathieson Chemical Corp. Novel 2,4 bis (alkyl and haloalkyl substituted)-6-hydroxy 1,3,5 triazine amidine salts. 2,876,221, 3-3-59, Cl. 260-248.
- Schroeder, Hansjuergen, and C. J. Grundmann, to Olin Mathieson Chemical Corp. Halo triazines. 2,880,207, 3-31-59, Cl. 260-248.
- Schroeder, Harry J., to Allis-Chalmers Mfg. Co. Swing control for tractor mounted implements. 2,908,401, 10-13-59, Cl. 212-68.
- Schroeder, Henry: See—
- Cruise, John H., and Schroeder. 2,878,792.
- Schroeder, Henry, and J. H. Cruise, to Combustion Engineering, Inc. Separately fired radiant superheater. 2,905,157, 9-22-59, Cl. 122-485.
- Schroeder, Herman E.: See—
- McCormack, William B., and Schroeder. 2,891,915.
- Schroeder, Hubert: See—
- Geffcken, Walter, and Schroeder. 2,868,076.
- Schroeder, John O., to Radio Corp. of America. Zero output impedance amplifier. 2,886,659, 5-12-59, Cl. 179-171.
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- Schroeder, John S., to Schroeder Brothers Corp. Pressure indicator. 2,882,854, 4-21-59, Cl. 116-117.
- Schroeder, Juel P., to Union Carbide Corp. Composition of vinyl chloride homopolymer and chloroprene homopolymer and method of making same. 2,870,115, 1-20-59, Cl. 260-45.5.
- Schroeder, Karl: See—
- Wick, George, and Wolf. 2,912,935.
- Schroeder, Kenneth C.: See—
- Denend, Lowell E., and Schroeder. 2,905,129.
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- Schroeder, Sarah: See—
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- Schroeder, Simon E., to Fox River Mfg. Co. Remote control mechanism for motor boats. 2,867,131, 1-6-59, Cl. 74-472.
- Schroeder, Simon E., to Fox River Mfg. Co. Single lever throttle and shift control. 2,867,132, 1-6-59, Cl. 74-472.
- Schroeder, Simon E., to Fox River Mfg. Co. Transmission wire or core for control mechanism. 2,871,718, 2-3-59, Cl. 74-501.
- Schroeder, Simon E., to Fox River Mfg. Co. Hydraulic control mechanism for motor boats and other uses. 2,891,498, 6-23-59, Cl. 114-150.
- Schroeder, Walter, to The Cincinnati Milling Machine Co. Machine tool transmission. 2,889,755, 6-9-59, Cl. 90-22.
- Schroeder, Walter, to The Cincinnati Milling Machine Co. Machine tool transmission. 2,912,906, 11-17-59, Cl. 90-21.5.
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- Schroedter, Willburt W., to Combustion Engineering, Inc. Furnace wall for forced once-through boiler. 2,896,591, 7-28-59, Cl. 122-235.
- Schroedter, Willburt W., and E. M. Powell, to Combustion Engineering, Inc. Method of operating a waistline vapor generator. 2,869,519, 1-20-59, Cl. 122-478.
- Schroer, Walter E., V. Trybinski, Jr., and I. H. Walling, to Loose Leaf Metals Co. Locking mechanism for binders. 2,902,039, 9-1-59, Cl. 129-13.
- Schroeter, Gerhard: See—
- Mitchell, Tony, and Schroeter. 2,886,832.
- Schroll, Franz, to Elektroschmelzwerk Kempten G.m.b.H. Process for manufacturing green silicon carbide. 2,913,313, 11-17-59, Cl. 23-208.
- Schroll, Gene E., to Ethyl Corp. Process for producing aryloxyphenyl silanes. 2,914,548, 11-24-59, Cl. 260-448.2.
- Schrom, Edward C., to General Electric Co. Faulty coil detector. 2,901,693, 8-25-59, Cl. 324-52.
- Schrot, Ernest H.: See—
- De Cola, Rinaldo E., Carlson, and Schrot. 2,898,563.
- Schröter, Kurt: See—
- Walterscheid-Müller, Bernhard, and Schröter. 2,909,047.
- Schroter, Paul M., Angle block. 2,913,830, 11-24-59, Cl. 33-174.
- Schroth, John J., to Link-Belt Co. Vibrating screens. 2,899,059, 8-11-59, Cl. 209-403.
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- Schroth, Raymond A.: See—
- Hollander, Louis P., and Schroth. 2,894,780.
- Schrotzberger, Edward T., to Beckman Instruments, Inc. Oscillating motor circuit and switch. 2,910,598, 10-27-59, Cl. 310-39.
- Schrougham, Benton. Rotary internal combustion engine. 2,897,798, 8-4-59, Cl. 123-13.
- Schrum, Robert W., to Sinclair Refining Co. Rust inhibiting composition. 2,881,140, 4-7-59, Cl. 252-395.
- Schrunk, Gerald W., Coat hanger. 2,908,428, 10-13-59, Cl. 223-88.
- Schub, Albert F.: See—
- Farr, Alton E., Grimes, and Schub. 2,881,646.
- Schubert, Albert E., to General Electric Co. Dual temperature refrigeration. 2,867,099, 1-6-59, Cl. 62-502.
- Schubert, Bernhard: See—
- Körber, Kurt, Schubert, and Stelzer. 2,902,040.
- Ritscher, Arthur, and Schubert. 2,918,197.
- Schubert, Bernhard, to Kurt Korber & Co. K. G. Conveying and gluing apparatus for filter cigarette tip wrappers. 2,873,719, 2-17-59, Cl. 118-247.
- Schubert, Dale L., to Industrial Development Co. Method of making crosscut wood flakes and sawmill cross grain flaking planer therefor. 2,898,958, 8-11-59, Cl. 144-172.
- Schubert, David W.: See—
- Bock, James A., McDaniel, and Schubert. 2,910,430.
- Schubert, Elliot N.: See—
- Dybalski, Jack N., Riegler, Du Brow, and Schubert. 2,919,204.
- Schubert, Ernest J., to Westinghouse Electric Corp. Diode matrix. 2,879,458, 8-24-59, Cl. 317-234.
- Schubert, Ernest J., to Burroughs Corp. Diode matrix. 2,915,686, 12-1-59, Cl. 317-234.
- Schubert, Ernest J., to Westinghouse Electric Corp. Driver means for magnetic elements. 2,917,639, 12-15-59, Cl. 307-88.
- Schubert, Friedrich, to Farbenfabriken Bayer Aktiengesellschaft. Preparation of alkali metal chromate from chrome ores. 2,904,396, 9-15-59, Cl. 23-56.
- Schubert, Jack: See—
- Boyd, George E., Russell, and Schubert. 2,898,185.
- Schubert, Paul, to J. P. Bemberg Akt. Continuous production of cellulose solution. 2,893,854, 7-7-59, Cl. 106-167.
- Schubert, Paul, to J. P. Bemberg Aktiengesellschaft. Recovery of copper and ammonia from waste liquors from the manufacture of regenerated cellulose. 2,904,399, 9-15-59, Cl. 23-147.
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- Hansz, Eugene A., and Schubring. 2,889,705.
- Schubring, Norman W., to General Motors Corp. Ultrasonic surface testing device. 2,912,854, 11-17-59, Cl. 73-67.7.
- Schuch, Kurt, to VEB Carl Zeiss Jena. Mounts for a composite optical lens combination. 2,894,430, 7-14-59, Cl. 89-57.
- Schuchardt, Hans, to Joh. Vaillant, K.G. Safety-coupled main and pilot gas valves. 2,917,062, 12-15-59, Cl. 137-66.
- Schuchman, Frederick E., and S. A. Norris, Jr., to Homestead Valve Mfg. Co. Apparatus for vapor spray cleaning. 2,908,030, 10-13-59, Cl. 15-322.
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- Leypold, Dieter, and Schucht. 2,892,042.
- Schuchtermann & Kremer-Baum Akt. Fur Anfbereitung: See—
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- Schuck, Oscar H., to United States of America, Navy. Automatic relative position plotter. 2,872,272, 2-3-59, Cl. 346-8.
- Schuck, Oscar H., to Minneapolis-Honeywell Regulator Co. Automatic pilot apparatus for convertible aircraft. 2,887,285, 5-19-59, Cl. 244-77.
- Schueler, Hassan E., and P. W. Jacobsen. Cavity examining instrument with self-contained illuminating rod and source. 2,911,968, 11-10-59, Cl. 128-6.
- Schueler, Lyle B., W. F. Cantieri, and O. C. Stout, to Diamond Power Specialty Corp. Air cooled blower-type cleaner. 2,904,260, 9-15-59, Cl. 239-132.
- Schueler, Otto. Motor-compressor unit. 2,918,209, 12-22-59, Cl. 230-239.
- Schuenemann, Hans-Bernhard, and T. Schwabach, to Schnellpressenfabrik Koenig & Bauer Aktiengesellschaft. Reciprocating carriage drive. 2,909,070, 10-20-59, Cl. 74-27.
- Schuerch, Anton: See—
- Hochuli, Ernst, Osolin, Schuerch, and Zumstein. 2,873,204.
- Schuerger, Thomas R.: See—
- Dykeman, George, and Schuerger. 2,878,003.
- Schuessler, Walter E., Flap-equipped cap. 2,878,479, 3-24-59, Cl. 2-172.
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- Schuessler, Fred W.: See—
- Lemmon, Norman E., and Schuessler. 2,906,709.
- Schuessler, John C., to Leach Corp. Magnetic shuttle device. 2,919,324, 12-29-59, Cl. 200-93.
- Schuessler, Karl E.: See—
- Glassman, Louis H., Kemelhor, and Schuessler. 2,889,746.



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- Schuetz, Clyde C., and R. Ericson, to United States Gypsum Co. Intumescent fire-retarding bituminous coating composition and roofing made therefrom. 2,893,889, 7-7-59, Cl. 117-30.
- Schuetz, James W., to Blaw-Knox Co. Pipe lowering device. 2,896,796, 7-29-59, Cl. 214-1.
- Schuetz, Hilmar O.: See—  
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- Schuffan, Paul M., and J. Neill, to The British Oxygen Co. Ltd. Separation of gas mixtures. 2,915,880, 12-8-59, Cl. 62-13.
- Schuffan, Paul M., and A. D. Littlewood, to The British Oxygen Co. Ltd. Separation of air. 2,915,882, 12-8-59, Cl. 62-30.
- Schuh, George. Auxiliary starter. 2,876,645, 3-10-59, Cl. 74-8.
- Schuh, Niles F.: See—  
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Reeder, James R., Schuh, and Lowry. 2,885,568.
- Schuh, Niles F., J. R. Reeder, L. R. Lowry, Jr., and R. E. Hulsey, to Westinghouse Electric Corp. Generator control and protective system. 2,885,569, 5-5-59, Cl. 307-87.
- Schuhmann, Richard L., and L. R. Zehnder, to American Duplex Co. Coffee grinder. 2,900,140, 8-18-59, Cl. 241-36.
- Schummaschinenfabrik Hanke & Co., G.m.b.H.: See—  
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- Schulde, Felix: See—  
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- Schuldt, Donald A.: See—  
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- Schulenburg, Edward J. Sign revolving mechanism. 2,911,744, 11-10-59, Cl. 40-33.
- Schulenburg, Wilhelm, to Allm Corp. Fire retardant composition and method of coating therewith. 2,881,088, 4-7-59, Cl. 117-33.
- Schulenburg, Wilhelm, to Chemische Fabrik Grunau Aktiengesellschaft. Fire extinguishing method. 2,901,428, 8-25-59, Cl. 252-7.
- Schuler, Alfred, to Protone Produktionsgesellschaft für elektroakustische Geräte G.m.b.H. Centrifugal contact-breakers. 2,899,515, 8-11-59, Cl. 200-80.
- Schuler, Frederic W.: See—  
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- Schuler, L. A. G.: See—  
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- Schuler, Reginald G.: See—  
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- Schuler, Wilhelm A., to Chemische Fabrik Promonta, G.m.b.H. Phenothiazine compounds. 2,901,478, 8-25-59, Cl. 260-243.
- Schulke, Robert W.: See—  
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- Schulken, Roger M., Jr.: See—  
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- Schuller, Walter H., W. M. Thomas, S. T. Moore, and R. R. House, to American Cyanamid Co. Cellulose web of improved dry strength containing a polymer comprising carboxylic groups, amide groups, and quaternary ammonium groups and method for producing same. 2,884,058, 4-28-59, Cl. 162-168.
- Schuller, Werner. Apparatus for drawing fine threads of fibers of glass or the like. 2,880,457, 4-7-59, Cl. 18-8.
- Schulman, Bernard L., to Esso Research and Engineering Co. Classification of particulate solids in fluid coking. 2,872,390, 2-3-59, Cl. 202-14.
- Schulman, Bernard L., and W. G. May, to Esso Research and Engineering Co. Recovering dust from gaseous streams. 2,886,518, 5-12-59, Cl. 208-161.
- Schuman, James H., to United States of America, Navy. Radiophotoluminescent compound and method of making same. 2,874,133, 2-17-59, Cl. 260-515.
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- Schulmerich Electronics, Inc.: See—  
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- Schuls, Allie L. Fish holders. 2,891,275, 6-23-59, Cl. 17-8.
- Schult, Hans W., to Solo Cup Co. Blow off conveyor device for paper cups or the like. 2,912,282, 11-10-59, Cl. 302-2.
- Schulte, Clifford L., J. G. Schwarzbeck, and M. Hust, to U. S. Industries, Inc. Main spindle drive for lathes and the like. 2,873,613, 2-17-59, Cl. 74-334.
- Schulte, Frederick E., to Collins Radio Co. Gyroscopic erection system. 2,879,671, 3-31-59, Cl. 74-547.
- Schulte, Frederick E., to Collins Radio Co. Magnetic backlash eliminator. 2,893,257, 7-7-59, Cl. 74-409.
- Schulte, Frederick J. Invalid handling apparatus. 2,914,110, 11-24-59, Cl. 155-28.
- Schulte, Wilhelm, to L. & C. Steinhilber G. m. b. H. Shaking grates especially for burning different kinds of fuel. 2,873,702, 2-17-59, Cl. 110-101.
- Schulte, William E., and A. E. Sorensen. Machine for fabricating metal structure. 2,868,952, 1-13-59, Cl. 219-87.
- Schultheis, Eugene W., and R. M. Brumbaugh, to Ampex Corp. Magnetic tape machine. 2,893,653, 7-7-59, Cl. 242-55.12.
- Schultheis, Harry B., Jr., to Bendix Aviation Corp. Code transmission systems. 2,906,822, 9-29-59, Cl. 178-53.1.
- Schultheis, Heinz: See—  
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- Schultheis, Heinz, W. Kallert, and D. Delfs, 1/4 to Farbenfabriken Bayer Aktiengesellschaft, and 1/4 to Mobay Chemical Co. Process for the production of rubber-like polyurethanes. 2,912,414, 11-10-59, Cl. 260-75.
- Schultheiss, Alvin J.: See—  
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- Schultz, Arthur B., to United States of America, Atomic Energy Commission. Fuel rod clusters. 2,898,280, 8-4-59, Cl. 204-193.2.
- Schultz, Arthur D., to Eaton Mfg. Co. Fuel container closure. 2,874,807, 2-24-59, Cl. 220-14.
- Schultz, Arthur N., to Auto Specialties Mfg. Co. Shot blast machine. 2,887,826, 5-26-59, Cl. 51-9.
- Schultz, Blanche R., to General Electric Co. Domestic appliance. 2,889,442, 6-2-59, Cl. 219-35.
- Schultz, Charles F. Magnetic pick-up device. 2,911,871, 11-10-59, Cl. 84-1.15.
- Schultz, Edward. Household utility jack. 2,910,270, 10-27-59, Cl. 254-98.
- Schultz, Edward H., Jr., to The Nagel-Chase Mfg. Co. Flat belt pulley. 2,875,625, 3-3-59, Cl. 74-230.8.
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- Schultz, Eugene C., to Marlin-Rockwell Corp. Shield for rotatable members. 2,902,300, 9-1-59, Cl. 286-5.
- Schultz, Forrest O. E., to Midland-Ross Corp. Brake booster unit. 2,878,647, 3-24-59, Cl. 60-54.6.
- Schultz, Forrest O. E., to The Midland Steel Products Co. Relay valves. 2,883,907, 4-28-59, Cl. 137-102.
- Schultz, Frank A., to Western Electric Co., Inc. Methods of molding plastic material around flexible inserts. 2,870,499, 3-10-59, Cl. 18-59.
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- Schultz, Fritz, to Farbenfabriken Bayer Akt. Recovery of kailkrein. 2,874,088, 2-17-59, Cl. 167-74.
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- Schultz, Harold B., to Bendix Aviation Corp. Hydraulic reaction control in a power steering system. 2,893,505, 7-7-59, Cl. 180-79.2.
- Schultz, Harold W.: See—  
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- Schultz, Henry J., to B. Walker. Supporting and tilting means for Venetian blinds. 2,918,968, 12-29-59, Cl. 160-177.
- Schultz, Herman J., to Direct Image Offset Corp. Machine for de-embossing lithographic printing plates by pressing each plate against a rotating cylinder by axially spaced pressing rolls. 2,895,529, 7-21-59, Cl. 153-32.
- Schultz, Howard C. Pressure-vacuum clysis unit. 2,876,768, 3-10-59, Cl. 128-214.
- Schultz, Kristian: See—  
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- Schultz, Margaret F.: See—  
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- Schultz, Melvin L., to Radio Corp. of America. Photovoltaic apparatus. 2,877,284, 3-10-59, Cl. 136-80.
- Schultz, Merle A.: See—  
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- Schultz, Theodore H.: See—  
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- Schultz, Theodore J., to United States of America, Navy. Miniature condenser microphone. 2,868,894, 1-13-59, Cl. 179-111.
- Schultz, Thomas H.: See—  
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- Schultz, Thomas W., and W. I. Crable, Gar Wood Industries, Inc. Hydraulic drive for ditcher conveyor. 2,879,612, 3-31-59, Cl. 37-97.
- Schultz, Vernon A. Refrigeration evaporator coil with electric heating means. 2,877,630, 3-17-59, Cl. 62-276.
- Schultz, Werner F.: See—  
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- Schultz, Werner F., to General Motors Corp. Cap device for a filler pipe. 2,893,233, 7-7-59, Cl. 70-172.
- Schultz, Wilfred R., to Temprite Products Corp. Combined hot and cold fluid dispensing apparatus. 2,912,142, 11-10-59, Cl. 222-124.
- Schultz, William J., and C. F. van Bennekom, to General Electric Co. Time switch assembly. 2,900,463, 8-18-59, Cl. 200-88.
- Schultz, William L., to Steelman Products Corp. Tire spreading tools. 2,915,283, 12-1-59, Cl. 254-60.4.

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- Schultze, Harold E., to General Motors Corp. Shock absorber packing having line engagement. 2,880,022, 3-31-59, Cl. 286-30.
- Schultze, Helmut A. Constant angular velocity joint. 2,900,810, 8-25-59, Cl. 64-21.
- Schultze, Henry C.: See—  
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- Schultze, Karl: See—  
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- Schultze, Kurt H., to Herbert Lindner, G. m. b. H. Thread generating machine. 2,871,634, 2-3-59, Cl. 51-232.
- Schultze, Werner, and H. Gossen, to P. Gossen & Co., G.m.b.H. Apparatus for determining the color temperature of a source of light. 2,886,712, 5-12-59, Cl. 250-71.
- Schulz, Alfred J., and D. A., to S-B Mfg. Co. Door latch oscillatable in either of two planes for opening. 2,877,036, 3-10-59, Cl. 292-60.
- Schulz, August: See—  
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- Schulz, Dale M., to The James Whitcomb Riley Memorial Assn. Strip-adaptor for spectrophotometers. 2,869,414, 1-20-59, Cl. 88-14.
- Schulz, Donald A.: See—  
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- Schulz, Erich. Process of producing coke from mixture of coke breeze and coal. 2,907,698, 10-6-59, Cl. 202-25.
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- Schulz, Helmut W.: See—  
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Hess, Lawrence G., and Schulz. 2,898,367.
- Schulz, Richard B. Shielding panel and joint construction. 2,876,275, 3-3-59, Cl. 174-35.
- Schulz, Richard B. Shielded transformer. 2,904,762, 9-15-59, Cl. 336-84.
- Schulz, Wallace W., to United States of America, Atomic Energy Commission. Method of dissolving metallic uranium. 2,897,047, 7-28-59, Cl. 23-14.5.
- Schulz, Wallace W., to United States of America, Atomic Energy Commission. Removal of chloride from aqueous solutions. 2,898,203, 8-4-59, Cl. 23-312.
- Schulz, William E., to E. I. du Pont de Nemours and Co. Blasting initiator. 2,882,819, 4-21-59, Cl. 102-28.
- Schulze, Ernst A. L.: See—  
Umblla, Elmar J., and Schulze. 2,879,175.
- Schulze, Ferdinand, to E. I. du Pont de Nemours and Co. Formaldehyde as an assistant in the dyeing of polyester fibers and blends thereof at high temperatures. 2,869,969, 1-20-59, Cl. 8-55.
- Schulze, George R., to Minneapolis-Honeywell Regulator Co. Detection and signaling apparatus. 2,870,434, 1-20-59, Cl. 340-227.
- Schulze, Harold, to Sperry Products Inc. Methods and means for coupling an ultrasonic transducer to a test specimen. 2,873,391, 2-10-59, Cl. 310-8.3.
- Schulze, Harvey F. Wind-responsive louver construction. 2,894,445, 7-14-59, Cl. 98-95.
- Schulze, Heinz, to General Aniline & Film Corp. Preparation of amides. 2,898,353, 8-4-59, Cl. 260-404.
- Schulze, Heinz, to General Aniline & Film Corp. Process of preparing certain halogenated 1,3-disubstituted-5-pyrazolones. 2,899,443, 8-11-59, Cl. 260-310.
- Schulze, Joachim, and J. Hofmann, to VEB Buchungsmaschinenwerk Karl-Marx-Stadt. Electronic calculating machines provided with an arrangement for rounding off electronic counters. 2,916,211, 12-8-59, Cl. 235-160.
- Schulze, John J., to Charles Bruning Co., Inc. Feed rollers for photo-conductive insulating material. 2,894,744, 7-14-59, Cl. 271-51.
- Schulze, Karl: See—  
Zabka, Franz, and Schulze. 2,883,518.
- Schulze, Kurd-Jürgen, to American Enka Corp. Apparatus for treating a warp of threads. 2,886,878, 5-19-59, Cl. 28-28.
- Schulze, Reinhart, and H. Broschke, to Ernst Leitz G.m.b.H. Hardness-testing device. 2,917,919, 12-22-59, Cl. 73-81.
- Schulze, Robert E., to Culligan, Inc. Method and manner of protecting galvanized surfaces against corrosion. 2,881,091, 4-7-59, Cl. 117-71.
- Schulze, Wallace M., to General Electric Co. Pivot point probe. 2,893,242, 7-7-59, Cl. 73-188.
- Schum, Eugene F., and H. J. Wimmer, to United States of America, Navy. Turbine blade with corrugated strut. 2,906,495, 9-29-59, Cl. 253-39.15.
- Schumacher, Berthold: See—  
Schopper, Erwin, and Schumacher. 2,899,556.
- Schumacher, Clarence A. Work clamp for use on a drill press. 2,884,821, 5-5-59, Cl. 77-63.
- Schumacher, Edwin F., and J. N. Moses, to Devco & Reynolds Co., Inc. Paint compositions. 2,915,411, 12-1-59, Cl. 106-253.
- Schumacher, Ernest A., to The Martin Co. Flanged pipe coupling having an external welded band clamp. 2,896,978, 7-28-59, Cl. 285-408.
- Schumacher, F. E., Co., The: See—  
Espenschied, Virgil F. 2,917,790.
- Schumacher, Frank A., to General Electric Co. Refrigerating system including hot gas defrosting circuit. 2,907,184, 10-6-59, Cl. 62-278.
- Schumacher, Joseph N., to R. J. Reynolds Tobacco Co. Tobacco. 2,905,576, 9-22-59, Cl. 131-17.
- Schumacher, Richard: See—  
Geller, Julius, Schumacher, and Lang. 2,893,956.
- Schumacher, Robert A.: See—  
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- Schumacher, Walter B., to Sperry Rand Corp. Vehicle load cover retaining means. 2,911,254, 11-3-59, Cl. 296-100.
- Schumacher, William C. Sequential switch. 2,892,999, 6-30-59, Cl. 340-364.
- Schumacher, Wilhelm W. B., to Ontario Research Foundation. Apparatus for spectrochemical analysis and structural analysis of solids, fluids and gases by means of X-rays. 2,908,821, 10-13-59, Cl. 250-53.
- Schumag Schumacher Metallwerke Gesellschaft mit beschränkter Haftung: See—  
Herrmann, Heinrich. 2,896,379.  
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- Schuman, Albert: See—  
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- Schuman, Ralph H., to The Warner & Swasey Co. Contour follower apparatus. 2,908,252, 10-13-59, Cl. 121-41.
- Schuman, Seymour C.: See—  
Johnson, Clarence A., and Schuman. 2,913,396.
- Schuman, Seymour C., to Hydrocarbon Research, Inc. Heavy oil conversion with low coke formation. 2,875,150, 2-24-59, Cl. 208-107.
- Schumann, Alec, to Cosmocord Ltd. Electromechanical transducers. 2,918,538, 12-22-59, Cl. 179-100.41.
- Schumann, Edward L.: See—  
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- Allen, Robert E., Palopoli, Schumann, and Van Campen. 2,914,529.
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- Allen, Robert E., Palopoli, Schumann, and Van Campen. 2,914,564.
- Van Campen, Marcus G., Jr., Allen, Palopoli, and Schumann. 2,877,269.
- Schumann, Fred, to Aladdin Industries, Inc. Touch responsive lamp or the like. 2,896,131, 7-21-59, Cl. 317-149.
- Schumann, Joseph M., 25% to Alta Engineering Co. Safety door latch. 2,908,165, 10-13-59, Cl. 70-181.
- Schumb, Martin T., to The Murray Co. of Texas, Inc. Speed reducer with detachable drive motor. 2,868,031, 1-13-59, Cl. 74-423.
- Schumer, Louis. Key retainer. 2,889,697, 6-9-59, Cl. 70-456.
- Schumm, Erwin. Apparatus for adjusting needles on manually operated knitting apparatus. 2,914,933, 12-1-59, Cl. 66-75.
- Schumpelt, Karl, to Sel-Rex Precious Metals, Inc. Low stress electrodeposited rhodium. 2,895,889, 7-21-59, Cl. 204-47.
- Schumpelt, Karl, to Sel-Rex Corp. Low stress electrodeposited rhodium. 2,895,890, 7-21-59, Cl. 204-47.
- Schumpelt, Karl, to Sel-Rex Corp. Gold plated electrical contact and similar elements. 2,897,584, 8-4-59, Cl. 29-199.
- Schunck, Horst L. P., to Kortenbach & Rauh Kommanditgesellschaft. Lawn umbrella. 2,910,078, 10-27-59, Cl. 135-27.
- Schunemann, Carl F., to Thompson Ramo Wooldridge, Inc. Lining switch. 2,889,553, 6-2-59, Cl. 343-876.
- Schunemann, Carl F., and G. E. Jacques, to Thompson Products, Inc. Electric motor control system. 2,884,581, 4-28-59, Cl. 318-467.
- Schunemann, Hans-Bernhard, to Schnellpressenfabrik Koenig & Bauer Akt. Cylinder printing machine. 2,886,973, 5-19-59, Cl. 74-27.
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- Schunemann, Hans-Bernhard, to Schnellpressenfabrik Koenig & Bauer Akt. Sheet-feeding device for printing machines with continuously rotating impression cylinder. 2,892,630, 6-30-59, Cl. 271-51.
- Schunemann, Hans-Bernhard, to Schnellpressenfabrik Koenig & Bauer Akt. Sheet-fed rotogravure machine for multi-colour printing. 2,896,535, 7-28-59, Cl. 101-152.
- Schunnehan, Robert F.: See—  
Biggs, George, and Schunnehan. 2,911,150.
- Schupak, Eugene: See—  
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- Schupp, Alfred J. Dispensing cabinet. 2,916,187, 12-8-59, Cl. 221-154.
- Schur, Milton O., to Olin Mathieson Chemical Corp. Laminated filter tip. 2,882,970, 4-21-59, Cl. 164-61.
- Schur, Milton O., to Olin Mathieson Chemical Corp. Impregnating device and process. 2,897,777, 8-4-59, Cl. 118-38.
- Schur, Milton O., to Olin Mathieson Chemical Corp. Method of and apparatus for cutting and collocating filter tip. 2,898,998, 8-11-59, Cl. 164-61.
- Schur, Milton O., to Olin Mathieson Chemical Corp. Filter for tobacco smoke. 2,905,184, 9-22-59, Cl. 131-208.



- Schur, Milton O., to Olin Mathieson Chemical Corp. Smoking device. 2,915,069, 12-1-59, Cl. 131-10.
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- Schurger, Garner H., and R. F. Hecker, to Giddings & Lewis Machine Tool Co. Machine tool. 2,890,629, 6-16-59, Cl. 90-16.
- Schurger, Garner H., and M. P. Morgan, to Giddings & Lewis Machine Tool Co. Feed reel mechanism for machine tools. 2,892,389, 6-30-59, Cl. 90-15.
- Schurich, Herbert, and O. Bunge. Actuator of a hand knitting apparatus. 2,904,978, 9-22-59, Cl. 66-78.
- Schuricht, Henry A. Device for lowering parts without undue impact. 2,890,780, 6-16-59, Cl. 193-27.
- Schurman, Donald R., to The Waterbury Farrel Foundry & Machine Co. Ball header. 2,916,952, 12-15-59, Cl. 78-41.
- Schurman, Glenn A.: See—
- Blake, Francis G., and Schurman. 2,888,663.
- Schurman, Glenn A., to California Research Corp. Cable assembly method and apparatus. 2,869,226, 1-20-59, Cl. 29-421.
- Schurman, Jack V., to Colgate-Palmolive Co. Process for the preparation of fatty acid dihydroxy alkyl amides. 2,877,246, 3-10-59, Cl. 260-404.
- Schürmann, Max-Otto, to Farbenfabriken Bayer Aktiengesellschaft. Apparatus for mixing viscous liquids. 2,917,291, 12-15-59, Cl. 259-7.
- Schurr, Charles A., to Square D Co. Electric motor resonant control circuit. 2,872,633, 2-3-59, Cl. 318-240.
- Schurr, Hans, and H. Stahlecker, to Württembergische Spindelfabrik G. m. b. H. Spindle driving mechanism. 2,869,317, 1-20-59, Cl. 57-105.
- Schurr, Hans, and H. Stahlecker. Resilient bearing structure. 2,908,533, 10-13-59, Cl. 308-152.
- Schurr, Vernon D., to Technitrol Engineering Co., Inc. Highly stable electronic amplifier. Re. 24,756, 12-15-59, Cl. 324-123.
- Schussler, Alfred: See—
- Haase, Walter, and Schussler. 2,884,692.
- Schüssler, Kurt: See—
- Fülling, Heinrich, Schüssler, and Rudolph. 2,887,534.
- Schustack, Edward H. Tube-mounting device. 2,894,757, 7-14-59, Cl. 279-5.
- Schuster, Curt, and R. Gehm, to Badische Anilin- & Soda-Fabrik Akt. Anion exchange compounds. 2,878,183, 3-17-59, Cl. 210-37.
- Schuster, John A. Apparatus for holding and cleaning severed animal feet. 2,870,478, 1-27-59, Cl. 17-1.
- Schuster, Ludwig K., and A. L. Baldi, Jr., to Kelsey-Hayes Co. Process of coating metal and resulting articles. 2,911,332, 11-3-59, Cl. 148-62.
- Schuster, Nick A.: See—
- Ferre, Maurice C., Schuster, and Segesman. 2,880,389.
- Schuster, Nick A., to Schlumberger Well Surveying Corp. Magnetic resonance apparatus. 2,878,443, 3-17-59, Cl. 324-5.
- Schuster, Nick A., to Schlumberger Well Surveying Corp. Apparatus for electrical well logging. 2,885,632, 5-5-59, Cl. 324-1.
- Schuster, Nick A., to Schlumberger Well Surveying Corp. Electronic computing apparatus for computing a root or a power of the ratio of two quantities. 2,891,728, 6-23-59, Cl. 235-61.
- Schuster, Rolf: See—
- Krahl, Friedrich, Schelbe, and Schuster. 2,890,258.
- Schuster, Wilhelm: See—
- Meizer, Wolfgang, and Schuster. 2,917,404.
- Schusteritz, Ludwig, to Nordmark-Werke Gesellschaft mit Beschränkter Haftung. New process for the production of hydrohalides of amino-alkylated barbituric acids. 2,883,381, 4-21-59, Cl. 260-247.5.
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- Schusterius, Carl. Electrical resistance elements and method of producing the same. 2,892,988, 6-30-59, Cl. 338-9.
- Schut, Sam P. Flooring tool. 2,884,035, 4-28-59, Cl. 145-1.
- Schutt, Hartwig: See—
- Raecke, Bernhard, Blaser, Stein, Schirp, and Schutt. 2,900,386.
- Blaser, Bruno, Stein, and Schütt. 2,913,488.
- Schutt, Hartwig, to Henkel & Cie, G.m.b.H. Production of  $\alpha,\alpha'$ -dicarboxy-substituted pyrrole derivatives. 2,898,344, 8-4-59, Cl. 260-326.3.
- Schütt, Hartwig, to Henkel & Cie, G.m.b.H. Process for the thermal rearrangement of salts of cyclic carboxylic acids. 2,919,273, 12-29-59, Cl. 260-250.
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- Schutt, Norman C., to Powers Chemco, Inc. Flexible sheet support for photographic device. 2,914,289, 11-24-59, Cl. 248-363.
- Schutte, Alfred H.: See—
- Matlachowsky, Stefan. 2,876,527.
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- Matlachowsky, Stefan. 2,908,357.
- Schutte, August H.: See—
- Mekler, Valentine, Schutte, and Korpi. 2,908,625.
- Schutte, Caspar W.: See—
- Ligthelm, Salomon P., and Schutte. 2,917,392.
- Schutte, Ethel M., to The Comfy Mfg. Co. Slip covers. 2,884,993, 5-5-59, Cl. 155-182.
- Schutte, Ethel M., to The Comfy Mfg. Co. Cover for cushion in upholstered furniture. 2,895,542, 7-21-59, Cl. 155-182.
- Schutte, Laurent J., to Super-Steel Products Co. Room air conditioning system. 2,900,891, 8-25-59, Cl. 98-40.
- Schutte, Otto, to Robert Bosch G.m.b.H. Electronic fuel injection control system. 2,910,054, 10-27-59, Cl. 123-32.
- Schutten, Johan, to North American Phillips Co., Inc. Device for determining very low gas pressures. 2,904,749, 9-15-59, Cl. 324-33.
- Schutz, Harold R.: See—
- Howe, George R., Schutz, and Suchocki. 2,908,598.
- Schutz, Joseph M., to The Firestone Tire & Rubber Co. Self sealing pneumatic tire. 2,905,220, 9-22-59, Cl. 152-330.
- Schutz, Karl H., to Jos. Schneider & Co., Optische Werke. Thread coupling for photographic objectives or the like. 2,897,736, 8-4-59, Cl. 95-11.
- Schutz, Karl H., to Jos. Schneider & Co., Optische Werke. Depth-of-field indicator for photographic objectives. 2,916,980, 12-15-59, Cl. 95-64.
- Schutz, Karl H., and F. Werner, to Jos. Schneider & Co., Optische Werke. Automatic depth of focus indicator for photographic objectives. 2,916,981, 12-15-59, Cl. 95-64.
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- Schutze, Henry G., and A. D. Suttle, Jr., to Esso Research and Engineering Co. Conversion of organic compounds by radiation. 2,914,452, 11-24-59, Cl. 204-162.
- Schutznier, Edwin J. Portable ratio tester for transformers. 2,910,646, 10-27-59, Cl. 324-55.
- Schnur, Gerrit: See—
- Kreps, Robert W. F., de Wit, and Schnur. 2,915,557.
- Schuyler, Garret L.: See—
- Girouard, Phillip H., Schuyler, and Baller. 2,870,678.
- Schuyler, Ralph A. Magnetic sound recording machine. 2,912,178, 11-10-59, Cl. 242-55.12.
- Schuyler, Ralph A. Magnetic sound recording machine. 2,912,179, 11-10-59, Cl. 242-55.12.
- Schuyler, Thomas C., to Fargo Mfg. Co., Inc. Line splice clamp. 2,901,725, 8-25-59, Cl. 339-272.
- Schwab, August: See—
- Gärtner, Günter, Schwab, and Harz. 2,900,540.
- Schwab, Bruce B., to North American Aviation, Inc. Remote emergency traffic control system. 2,903,674, 9-8-59, Cl. 340-33.
- Schwab, Carl M., to Otis Engineering Corp. Well tools. 2,908,333, 10-13-59, Cl. 166-218.
- Schwab, H. W. Textile Corp.: See—
- Schwab, Harold W. 2,869,588.
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- Schwab, Olga B.: See—
- Schwab, Max and O. B. 2,872,885.
- Schwab, Richard L., to Westinghouse Electric Corp. Transformer cooling system control. 2,896,152, 7-21-59, Cl. 323-44.
- Schwabach, Theo: See—
- Schuenemann, Hans-Bernhard, and Schwabach. 2,909,070.
- Schwabe, Karl: See—
- Fuhrmann, Hans, and Schwabe. 2,891,438.
- Schwabe, William E., to Union Carbide Corp. Method of improving the quality and productivity of electric arc furnace steel. 2,909,422, 10-20-59, Cl. 75-10.
- Schwager, August C., to Schwager-Wood Corp. High voltage circuit interrupting and isolating apparatus. 2,872,550, 2-3-59, Cl. 200-145.
- Schwager, August C., to Schwager-Wood Corp. Current surge arrester. 2,887,549, 5-19-59, Cl. 200-146.
- Schwager, Henry H., to Schwager-Wood Corp. Encapsulated vacuum insulated circuit breaker. 2,870,298, 1-20-59, Cl. 200-144.
- Schwager-Wood Corp.: See—
- Schwager, August C. 2,872,550.
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- Schwahn, Josef, to Zeiss Ikon A.G. Shutters for photographic cameras. 2,891,457, 6-23-59, Cl. 95-64.
- Schwaiger, Frank H., R. C. Gadsby, and J. Schwaiger, to Anheuser-Busch, Inc. Straining tank. 2,916,421, 12-8-59, Cl. 195-135.

- Schwaiger, Joseph: See—
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- Schwaiger, Odilo L., to Daimler-Benz Akt. Rotor for a radial blower. 2,899,129, 8-11-59, Cl. 230-134.
- Schwalbach, Joseph C., to Baso Inc. Modulating fuel control apparatus. 2,874,904, 2-24-59, Cl. 236-1.
- Schwamb, George T., to Burndy Corp. Insulating cover for pressurized panel. 2,868,895, 1-13-59, Cl. 174-138.
- Schwan, Clarence F., to The Reliance Electric & Engineering Co. Induction frequency changer. 2,867,738, 1-6-59, Cl. 310-160.
- Schwan, Clarence F., to The Reliance Electric & Engineering Co. Heat exchanger for dynamoelectric machine. 2,915,656, 12-1-59, Cl. 310-57.
- Schwaneke, Alfred E.: See—
- Krause, Walter W., and Schwaneke. 2,883,779.
- Schwaneke, Alfred E., to A-M Corp. Reverse bimetal thermostat. 2,881,300, 4-7-59, Cl. 219-25.
- Schwaneke, Alfred E., to Dormeyer Corp. Timer mechanism. 2,906,194, 9-29-59, Cl. 99-329.
- Schwaneke, Alfred E., and H. P. Randick, to A-M Co. Speed governor. 2,876,215, 3-3-59, Cl. 200-80.
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- Schwaneke, Fred C., to Dormeyer Corp. Steam table grill. 2,867,712, 1-6-59, Cl. 219-43.
- Schwaneke, Fred C., to Dormeyer Corp. Electric iron. 2,871,589, 2-3-59, Cl. 38-77.
- Schwaneke, Fred C., to Dormeyer Corp. Electric iron. 2,880,530, 4-7-59, Cl. 38-77.
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- Schwaneke, Fred C., to Dormeyer Corp. Cooking vessel. 2,910,571, 10-27-59, Cl. 219-44.
- Schwaneke, Fred C., and J. E. Tucker, to Dormeyer Corp. Tea basket and vaporizer. 2,900,895, 8-25-59, Cl. 99-284.
- Schwank, Gunther, deceased; Rheinisch-Westfälische Revision Treuhand Akt. (Treuhand Akt.) and W. Franken, executors, to American Infra Red Radiant Co., Inc. Gas burners. 2,870,830, 1-27-59, Cl. 158-114.
- Schwank, Ludwig: See—
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- Schwarzman, Alexander, to Spencer Kellogg and Sons, Inc. Preparation of drying oil by modification and copolymerization of soy bean oil with a vinyl monomer. 2,912,396, 11-10-59, Cl. 260-22.
- Schwarz, Morton, to Morton Chemical Co. Rodenticidal compositions comprising a 2-acyl 1,3-indandione and an ethylenediamine tetraacetate. 2,880,132, 3-31-59, Cl. 167-46.
- Schwarm, Edward G., and C. L. Duren, to Link Aviation, Inc. Servo multiplier having reduced error. 2,904,253, 9-15-59, Cl. 235-194.
- Schwartz, Albert. Winding stem construction for watches. 2,892,303, 6-30-59, Cl. 58-68.
- Schwartz, Albert B., to Socony Mobil Oil Co., Inc. Attrition-resistant inorganic oxide gels and method for preparing the same. 2,900,349, 8-15-59, Cl. 252-317.
- Schwartz, Albert B., to Socony Mobil Oil Co., Inc. Treatment of inorganic hydrogels. 2,914,486, 11-24-59, Cl. 252-455.
- Schwartz, Alfred J. C. Catalametal device and method of forming same. 2,905,175, 9-22-59, Cl. 128-270.
- Schwartz, Anthony M.: See—
- Minor, Francis W., and Schwartz. 2,875,167.
- Schwartz, Anthony M., to The Gillette Co. Opalescent detergent composition. 2,891,912, 6-23-59, Cl. 252-152.
- Schwartz, Bernard, to Sylvania Electric Products Inc. Electrode for glow-discharge device. 2,879,433, 3-24-59, Cl. 315-353.
- Schwartz, Bertram, to Hughes Aircraft Co. Semiconductor translating devices. 2,874,076, 2-17-59, Cl. 117-200.
- Schwartz, Daniel M., to The Elanco Corp. Material handling machine. 2,886,192, 5-12-59, Cl. 214-130.
- Schwartz, David L. Self-aerating bait bucket. 2,883,789, 4-28-59, Cl. 43-57.
- Schwartz, David L. Insulation block holding device for power saws. 2,898,955, 8-11-59, Cl. 143-171.
- Schwartz, Harold A., to Patchogue-Plymouth Corp. Twisted paper yarn. 2,871,652, 2-3-59, Cl. 57-167.
- Schwartz, Harold A., to Patchogue-Plymouth Corp. Pile rugs and rug-bases and composite yarns therefor. 2,901,005, 8-25-59, Cl. 139-420.
- Schwartz, Harold H., to Empire Brushes, Inc. Clamp-type mop for engaging multiple strand elements. 2,870,473, 1-27-59, Cl. 15-229.
- Schwartz, Harold H., to Empire Brushes, Inc. Head construction for multiple-strand mops. 2,902,704, 9-8-59, Cl. 15-229.
- Schwartz, Harold H., to Empire Brushes, Inc. Fountain detergent brushes and controls therefor. 2,908,445, 10-13-59, Cl. 230-317.
- Schwartz, Harold O.: See—
- Schneeberger, Richard F., and Schwartz. 2,895,366.
- Schneeberger, Richard F., and Schwartz. 2,918,947.
- Schwartz, Harry, to General Electric Co. Variable resistor. 2,909,751, 10-20-59, Cl. 338-190.
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- Schwartz, Herbert. Method for inhibiting the formation and growth of slime in water systems. 2,873,249, 2-10-59, Cl. 210-64.
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- Schwartz, Jacob D. Dental setup. 2,893,054, 7-7-59, Cl. 18-57.
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- Schwartz, John J., to Brown & Bigelow. Key chain and coin holder article. 2,892,537, 6-30-59, Cl. 206-38.
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- Schwartz, Louis E. Teaching device. 2,910,785, 11-3-59, Cl. 35-8.
- Schwartz, Max M., deceased; M. G. Schwartz, executrix. Method of preparing elastomeric plastigels. 2,872,429, 2-3-59, Cl. 260-30.6.
- Schwartz, Melvin M.: See—
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- Schwartz, Minnie G.: See—
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- Schwartz, Nathan, and C. S. Wax. Hinged hood for open pickup trucks. 2,912,276, 11-10-59, Cl. 296-100.
- Schwartz, Ralph E., to H. H. Jamieson. Method for making battery separator. 2,889,390, 6-2-59, Cl. 136-148.
- Schwartz, Robert A. D., and S. W. Lindhelm. Ceiling and lighting construction. 2,888,113, 5-26-59, Cl. 189-85.
- Schwartz, Samuel M., and D. Gross, to Ververay Corp. Method and apparatus for locking and removing excess flock. 2,881,087, 4-7-59, Cl. 117-19.
- Schwartz, Sol. Protective covers for photographic transparencies. 2,867,927, 1-13-59, Cl. 40-158.
- Schwartz, Sol. Packing means for pile fabrics. 2,895,604, 7-21-59, Cl. 206-51.
- Schwartz, William A. Chair and horizontal carrier for invalids. 2,815,112, 12-1-59, Cl. 155-30.
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- Dreher, John J., and Schwartzkopf. 2,904,640.
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- Schwartzman, Louis H., and B. B. Corson, to Koppers Co., Inc. 2,6-dimethylstyrene polymers. 2,913,440, 11-17-59, Cl. 260-88.1.
- Schwartztrauber, George H. Fish lure. 2,876,580, 3-10-59, Cl. 43-42.06.
- Schwartztrauber, George H. Connector for a fish line and fish hook. 2,901,856, 9-1-59, Cl. 43-42.72.
- Schwartzwalder, Karl: See—
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- Clifford, Hugh J., and Schwarz. 2,881,616.
- Schwarz, Dr., Arzneimittel-fabrik G. m. b. H.: See—
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- Schwarz, George, to Powers Chemco, Inc. Etching bath. 2,890,943, 6-16-59, Cl. 41-42.
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- Schwarz, Karl H.: See—
- Goodhue, Carl E., Schwarz, and Stephens. 2,882,725.
- Schwarz Laboratories, Inc.: See—
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- Town, Bernard W. 2,867,654.
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- Schwarzer, Fritz. Power supply. 2,896,096, 7-21-59, Cl. 307-150.
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- Scott, Harold E. B., to Vickers Ltd. Doctors for paper and like machines. 2,890,473, 6-16-59, Cl. 15-256.5.
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- Scott, John J.: See—
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- Scott, Junius D.: See—
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- Scott, Larkin B.: See—
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- Scott, Lewis A., to Omark Industries, Inc. Attachment for converting a portable circular saw to a chain saw. 2,879,814, 3-31-59, Cl. 143-32.
- Scott, Loren F. Excavating apparatus. 2,910,274, 10-27-59, Cl. 255-19.
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- Scott, Merl G., to Cabot Shops, Inc. Hydraulic braking apparatus. 2,874,808, 2-24-59, Cl. 188-77.
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- Felker, Maurice H. 2,903,871.
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 Chapin, Howard R. 2,891,738.  
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 Sedgfield, Hugh B., M. L. Jofeh, and R. Albrecht, to The Sperry Gyroscope Co., Ltd. Apparatus adapted to measure accelerations and inclinations. 2,869,851, 1-20-59, Cl. 264-1.  
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- Seibert, Heinrich K., Triebeneck, B. Bionert, and F. Baumann, to Farbenfabriken Bayer Akt. Basic dyestuffs for the manufacture of colored writing agents. 2,875,211, 2-24-59, Cl. 260-314.5.
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- Seidensticker, Raymond G., to Westinghouse Electric Corp. Photoelectric device. 2,907,969, 10-6-59, Cl. 338-15.
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- Selgie, William. Fishing float. 2,869,274, 1-20-59, Cl. 43-17.
- Seljo, Ernest: See—  
Cleland, William J., Thomas, and Seljo. 2,893,963.
- Roper, Alec N., Seljo, and Barb. 2,914,505.
- Sell, Christian A., to Douglas Aircraft Co., Inc. Tertiary alkyl carbonyl orthosilicates. 2,914,550, 11-24-59, Cl. 260-448.8.
- Seller, Erich. Easy to loosen fastening. 2,889,604, 6-9-59, Cl. 24-140.
- Seller, Ernst E., to United States of America, Army. Device for inducing natural frequency vibration. 2,895,094, 7-14-59, Cl. 318-119.
- Selm, Maynard C.: See—  
Collins, Tappan, Selm, and Brayman. 2,907,036.
- Selp, Walter V., and A. H. Cherry. Tire chain fastener. 2,879,822, 3-31-59, Cl. 132-237.
- Seismograph Service Corp.: See—  
Hawkins, James E. 2,890,451.
- Hawkins, James E. 2,910,665.
- Hawkins, James E., and Garrett. 2,871,473.
- Hunsicker, William R. 2,872,676.
- Koeppel, Beverly W. 2,871,474.
- Rohrbach, Robert L. 2,890,452.
- Wilcox, Stanley W., and Garrison. 2,880,413.
- Seltz, Frederick: See—  
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- Ohlinger, Leo A., Seltz, and Young. 2,874,108.
- Seltz, George: See—  
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- Seltz, Karl: See—  
Fasciati, Alfred, Gunst, Riat, and Seltz. 2,873,269.
- Seltz, Katherine B. Swimming pool cover. 2,895,143, 7-21-59, Cl. 4-172.
- Seltz, Pierre. Cap piece for pivot bearings. 2,876,618, 3-10-59, Cl. 58-140.
- Seltz, Pierre. Shock-absorbing bearing. 2,891,379, 6-23-59, Cl. 58-140.
- Seltz, William: See—  
Rudel, Harry W., and Seltz. 2,911,309.
- Sejournet, Jacques, to Societe Anonyme dite: Comptoir Industriel d'Etrage et Profilage de Metaux. Hot extrusion die. 2,907,454, 10-6-59, Cl. 207-17.
- Sejournet, Jacques, and J. Bonnassieux, to Comptoir Industriel d'Etrage et Profilage de Metaux. Method of extruding metals. 2,893,554, 7-7-59, Cl. 207-10.
- Sekesco Co., Inc.: See—  
Gibson, Levi D. 2,907,422.
- Sekine, Takeo, to Kabushiki-Kaisha Hattori Tokai-Ten. Photographic shutter including a flashlight synchronizing mechanism. 2,908,207, 10-13-59, Cl. 95-11.5.
- Sekmakas, Kazys, to Minnesota Mining and Mfg. Co. Aldehyde resin-epoxy resin-organic polyisocyanate prepolymer, method of making foam therefrom and product. 2,906,717, 9-29-59, Cl. 260-2.5.
- Seko, Maomi: See—  
Tsunoda, Yoshio, and Seko. 2,883,349.
- Tsunoda, Yoshio, and Seko. 2,891,014.
- Tsunoda, Yoshio, and Seko. 2,891,015.
- Tsunoda, Yoshio, Seko, Watanabe, Ehara, and Misumi. 2,894,917.
- Tsunoda, Yoshio, Seko, Watanabe, Ehara, and Misumi. 2,898,311.
- Selas Corp. of America: See—  
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- Bloom, Quentin M. 2,869,846.
- Hess, Frederic O. 2,867,431.
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- Hess, Frederic O. 2,916,277.

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- Mann, Carl P. 2,875,994.
- Williams, John R. 2,870,829.
- Williams, John R. 2,913,320.
- Williams, John R., and McFadden. 2,888,980.
- Selbach, Henry V.: See—  
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- Selby, Claude L., to Constructional Engineering Co. Ltd. Core making machine. 2,882,565, 4-21-59, Cl. 22-10.
- Selby, Jack H., to The Warner & Swasey Co. Apparatus for processing silvers. 2,878,528, 3-24-59, Cl. 19-165.
- Selby, Jack H., to The Warner & Swasey Co. Creel for textile machine. 2,885,742, 5-12-59, Cl. 19-157.
- Selby, James, to C. H. Frye and B. Elliott & Co. Ltd. Machine vices. 2,903,931, 9-15-59, Cl. 81-033.
- Selby, James, A. B. Kirkbride, and M. W. Trebble, to B. Elliott & Co. Ltd. Gearing and electric drills embodying the same. 2,899,850, 8-18-59, Cl. 77-7.
- Selby, Lynn O. Liquid fuel burner plate. 2,894,568, 7-14-59, Cl. 158-88.
- Selby, Meyer S., and E. R. Bausch, to W. R. Grace & Co. Method of packaging. 2,891,870, 6-23-59, Cl. 99-174.
- Selby, Myron C., to United States of America, Commerce. Micropontometer. 2,882,501, 4-14-59, Cl. 333-27.
- Selby, Myron C., C. M. Allred, P. A. Hudson, and I. S. Berry, to United States of America, Commerce. High frequency power measuring bridge circuit. 2,883,620, 4-21-59, Cl. 324-106.
- Selden, Irving H. Hydraulic torque converters. 2,907,429, 10-6-59, Cl. 192-58.
- Selden, John K. Foamed slurry generator. 2,915,301, 12-1-59, Cl. 259-147.
- Seldon, George E. Constant level mechanism for carburetors. 2,882,028, 4-14-59, Cl. 261-72.
- Selecto-Flash, Inc.: See—  
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- Se Legue, David F., and W. L. Higbee, to Northrop Aircraft, Inc. Air powered tow reel. 2,876,963, 3-10-59, Cl. 244-3.
- Selig, Guenther, to Remsel Industries, Inc. Lamp supports. 2,893,768, 7-7-59, Cl. 287-99.
- Selig, Guenther, to Remsel Industries, Inc. Couplers for camera attachments or the like. 2,897,928, 8-4-59, Cl. 189-36.
- Selig, Ludwig, to Metallgesellschaft Akt. Granulating disc. 2,889,576, 6-9-59, Cl. 18-1.
- Seliger, Victor H.: See—  
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- Seliger, Victor H., and W. J. Vaffades, to Sperry Rand Corp. Ford Instrument Co. Division. Magnetic controller. 2,888,630, 5-26-59, Cl. 321-25.
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- Selkman, Kurt L., to E. I. du Pont de Nemours and Co. Polyurethanes from difunctional polymers of conjugated dienes. 2,877,212, 3-10-59, Cl. 260-77.5.
- Selkman, Robert B., to Philip Morris Inc. Production of diacetone alcohol. 2,879,298, 3-24-59, Cl. 260-594.
- Seljeson, George H. Photographic lighting unit. 2,876,338, 3-3-59, Cl. 240-1.3.
- Sell, Karl L., to Basic Products Corp. Saturable core reactor regulators. 2,916,659, 12-8-59, Cl. 323-89.
- Seljos, Arthur L., to Jersey Production Research Co. Automatic water level control for hydromatic brakes. 2,889,812, 6-9-59, Cl. 121-41.
- Sell, Eric A. F.: See—  
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- Sell, Freddie W. Erector. 2,874,698, 2-24-59, Cl. 128-303.
- Sell, Marlon D.: See—  
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- Sell, Theodore W., to Leverage Hand-Brake Co. Hand control for brake and accelerator. 2,875,638, 3-3-59, Cl. 74-484.
- Sell, Werner: See—  
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- Sellers, Frederick R., and H. M. Chapin, to Texaco Development Corp. Portland cement manufacture from oil shale. 2,904,445, 9-15-59, Cl. 106-100.
- Sellers Injector Corp.: See—  
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- Sellers, Jack D. Pressure controller. 2,884,844, 5-5-59, Cl. 98-1.5.
- Sellers, John: See—  
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- Sellers, John C., to Johnson & Johnson. Cross-linked esters of maleic anhydrides-styrene copolymer and method for preparation. 2,870,128, 1-20-59, Cl. 260-78.5.
- Sellers, John W.: See—  
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- Sellers, John W., and M. P. Wagner, to Columbia-Southern Chemical Corp. Treated pigments and method of preparing same. 2,892,807, 6-30-59, Cl. 260-41.5.
- Sellers, Robert S.: See—  
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- Sellers, William N., to American Cyanamid Co. Method of producing a tow of filamentary material. 2,874,446, 2-24-59, Cl. 28-72.
- Sellers, William N., to American Cyanamid Co. Apparatus and method for the liquid treatment of continuous filamentary material. 2,886,403, 5-12-59, Cl. 8-151.2.
- Sellers, William N., and M. Sonnino, to American Cyanamid Co. Spinning device. 2,881,474, 4-14-59, Cl. 18-8.
- Sellet, Lucien, to Jacques Wolf & Co. Modified amino-plast resin complexes and processes for producing them. 2,870,122, 1-20-59, Cl. 260-69.
- Selling, Hendrik J., and C. Bok, to Novivlas N.V. Process to produce from bast fibre material technical fibres suitable to be immediately worked up into first sliver. 2,901,776, 9-1-59, Cl. 19-29.
- Sellmann, Clara A. G.: See—  
Holmberg, John K. O. H., and Sellmann. 2,916,419.
- Sellmer, Richard. Collapsible display and/or greeting card. 2,891,336, 6-23-59, Cl. 40-124.1.
- Sellon, Raymond N., Jr.: See—  
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- Sella, Gary L. Portable power saw with guide. 2,899,989, 8-18-59, Cl. 143-43.
- Selma Trailer & Mfg. Co.: See—  
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- Selman, Jan: See—  
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- Selmer, Alois. Corn buttering device. 2,893,032, 7-7-59, Cl. 15-131.
- Selmer, Ernst S., to Burroughs Corp. Synchronizing circuits. 2,876,348, 3-3-59, Cl. 250-27.
- Selmer, Ernst S., to Burroughs Corp. Coincidence control apparatus. 2,892,183, 6-23-59, Cl. 340-174.
- Selmer, Ernst S., to Burroughs Corp. Apparatus for selectivity modifying program information. 2,910,210, 12-8-59, Cl. 235-157.
- Sel-Rex Corp.: See—  
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- Schumpelt, Karl. 2,897,584.
- Sel-Rex Precious Metals, Inc.: See—  
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- Schumpelt, Karl. 2,895,890.
- Selsing, Jorgen, to The Ohio Brass Co. Ceramic products. 2,898,217, 8-4-59, Cl. 106-46.
- Selsted, Walter T., to Ampex Corp. Magnetic tape apparatus. 2,868,470, 1-13-59, Cl. 242-55.12.
- Selsted, Walter T., and R. M. Brumbaugh, to Ampex Corp. Magnetic tape machine. 2,904,275, 9-15-59, Cl. 242-55.12.
- Seltman, Paul R., to Crescent Paper Tube Co., Inc. Ground surfaced laminated paper tubes. 2,895,511, 7-21-59, Cl. 138-76.
- Seltzer, Edward, to Thomas J. Lipton, Inc. Process for preparing quick-cooking rice. 2,890,957, 6-16-59, Cl. 99-80.
- Seltzer, Edward, to Thomas J. Lipton, Inc. Method of making quick-cooking cereals from parboiled grains. 2,903,360, 9-8-59, Cl. 99-80.
- Seltzer, Edward, A. J. Harriman, and R. W. Henderson, to Thomas J. Lipton, Inc. Process for preparing a soluble tea product. 2,891,865, 6-23-59, Cl. 99-77.
- Seltzer, Edward, and F. A. Saporito, to Thomas J. Lipton, Inc. Method of producing a tea extract. 2,902,368, 9-1-59, Cl. 99-77.
- Seltzer, Robert E., and J. M. Hoff, to Wyandotte Chemicals Corp. Palletized bag squeezing machine. 2,918,863, 12-29-59, Cl. 100-233.
- Seltzer, William, to Vineland Poultry Laboratories. Method of improving the nutritive content of edible avian eggs and end-product thereof. 2,915,400, 12-1-59, Cl. 99-113.
- Selvaggio, John D., and C. C. Wareham, to United States Steel Corp. Crucible furnace. 2,869,845, 1-20-59, Cl. 263-2.
- Selwitz, Charles M., to Gulf Research & Development Co. Preparation of dibasic acids. 2,867,657, 1-6-59, Cl. 260-537.
- Selwitz, Charles M., to Gulf Research & Development Co. Purification process. 2,897,244, 7-28-59, Cl. 260-643.
- Selwyn Press Ltd., The: See—  
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- Selyem, Edwin J.: See—  
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- Selyem, Edwin J., to General Motors Corp. Automatic throttle control. 2,876,877, 3-10-59, Cl. 192-3.
- Selzer, Clarence F., R. T. Colburn, and M. Ebert, to Inventors Clinic. Inking device for typewriting machines. 2,904,160, 9-15-59, Cl. 197-150.
- Selzer, John. Power actuated tail gate elevator for motor vehicles. 2,889,059, 6-2-59, Cl. 214-77.
- Sem, Mathias O., to Elektrokemisk A/S. Manufacture of carbon blocks for use as electrodes. 2,883,708, 4-28-59, Cl. 18-54.7.
- Semchyshe, Marlon: See—  
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- Semegen, Stephen T., to The B. F. Goodrich Co. Method of manufacturing a cellular article. 2,873,481, 2-17-59, Cl. 18-53.
- Semicon Inc.: See—  
Huppert, Karl H., and Weise. 2,874,260.
- Semmens, Peter W. B., to Imperial Chemical Industries Ltd. Preparation of potassium polyphosphate. 2,867,504, 1-6-59, Cl. 23-106.
- Semmens, Peter W. B., and J. D. Snmms-Smith, to Imperial Chemical Industries Ltd. New chemical compounds. 2,890,239, 3-31-59, Cl. 260-567.6.
- Semon, Albert L. Fluid pressure regulators. 2,890,713, 6-16-59, Cl. 137-484.8.



- Semple, Robert E., to Con-Elco. Adjustable wire-wound systems. 2,892,171, 6-23-59, Cl. 338-180.
- Seimrau, Hugo F. Dial protractors. 2,912,762, 11-17-59, Cl. 33-75.
- Senco Products, Inc.: See—  
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- Sendel, Charles A. Vehicle lighting system. 2,887,616, 5-19-59, Cl. 315-83.
- Seneca Falls Machine Co.: See—  
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- Senecal, Theodore L.: See—  
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- Senecal, Wallace R.: See—  
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- Senese, John G., Jr.: See—  
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- Seney, John H. Underground storage tank check valve arrangement. 2,893,423, 7-7-59, Cl. 137-364.
- Seney, John S., to E. I. du Pont de Nemours and Co. Extensional tester. 2,875,609, 3-3-59, Cl. 73-95.5.
- Seng Co., The: See—  
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- Seng, James H. Two-way reversible ground working apparatus. 2,879,853, 3-31-59, Cl. 179-226.
- Seng, James H. Implement mounting coupling. 2,904,350, 9-15-59, Cl. 280-510.
- Sengebusch, Hans: See—  
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- Sengebusch, Hans, to General Telephone Laboratories, Inc. Control mechanism for two motion flat-type switches. 2,870,262, 1-20-59, Cl. 179-27.52.
- Sengebusch, Hans, to General Telephone Laboratories, Inc. Paystation coin apparatus. 2,905,763, 9-22-59, Cl. 179-6.3.
- Sengelau, John F., Jr., and M. I. Darrow, to Swift & Co. Branding poultry. 2,885,291, 5-5-59, Cl. 99-107.
- Sengewald, Rudolf, to Windmüller & Holscher. Dyeing device for printing machines. 2,891,471, 6-23-59, Cl. 101-157.
- Seniff, Russell W.: See—  
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- Senior, Robert Jr., to Empire Products, Inc. Strip heater. 2,877,332, 3-10-59, Cl. 219-19.
- Senior, Robert Jr., to Empire Products, Inc. Cable splice. 2,917,569, 12-15-59, Cl. 174-34.
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- Senn, Jurg A., and H. R. Schlichting, to Kearney & Trecker Corp. Machine tool clamping mechanism. 2,876,526, 3-10-59, Cl. 29-1.
- Senn, Oliver F., and R. D. Englert, to Olin Mathieson Chemical Corp. Method for preparing boric acid. 2,913,311, 11-17-59, Cl. 23-149.
- Senn, Otto, to Saul & Co., nominee of Fidelity Union Trust Co., executive trustee under Sandoz Trust. Metalliferous polyazo dyestuffs. 2,870,135, 1-20-59, Cl. 260-145.
- Senne, Edgar P. Vacuum cleaner on-and-off switching devices. 2,871,503, 2-3-59, Cl. 15-327.
- Sennello, Joseph J.: See—  
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- Sennett, Edith L.: See—  
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- Sennett, Roy S., to North American Phillips Co., Inc. Sealing machine. 2,873,346, 2-10-59, Cl. 219-10.53.
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- Sennwald, Kurt, F. Pohl, W. Vogt, W. Meiningner, L. Meyer, H. Glaser, and K.-H. Stell, to Knapsack-Griesheim Aktiengesellschaft. Process for separating monovinyl-acetylene from gas mixtures. 2,918,141, 12-22-59, Cl. 183-115.
- Sennholtz, Charles E., and T. E. Bridgewater. Impact hammer. 2,874,912, 2-24-59, Cl. 241-197.
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- Senokot Pharmaceutical Products Corp.: See—  
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- Senour, James F., deceased (by R. S. Maxwell, administratrix), to M. M. Senour, heir of J. F. Senour. Crutch. 2,873,752, 2-17-59, Cl. 135-52.
- Senour, Mary M.: See—  
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- Sensenig, Miles L., to Sperry Rand Corp. Coupling. 2,910,842, 11-3-59, Cl. 64-4.
- Sensenig, Miles L., and W. H. Robinson, to Sperry Rand Corp. Garden tractor. 2,880,814, 4-7-59, Cl. 180-6.34.
- Sensiper, Samuel: See—  
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- Sensiper, Samuel, to Hughes Aircraft Co. Coaxial coupling for travelling-wave tubes. 2,869,020, 1-13-59, Cl. 315-3.5.
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- Senti, Frederic R.: See—  
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- Sentinel (Shrewsbury) Ltd.: See—  
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- Senutovitch, Georges. Bore reducing device for fire-arms. 2,898,694, 8-11-59, Cl. 42-77.
- Senzani, Iro. Apparatus and method for cutting dried alimentary paste. 2,917,959, 12-22-59, Cl. 83-17.
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- Sepahban, Amir H., to Monroe Calculating Machine Co. Magnetic switching means. 2,884,020, 4-28-59, Cl. 340-174.
- Sepe, John U., to J. A. Gaylord. Harness release. 2,867,024, 1-6-59, Cl. 24-211.
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- Sergan, Anthony J., to F. J. Kelly. Hydraulic ratchet wrench. 2,890,612, 6-18-59, Cl. 81-60.
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- Sermattel, John P.: See—  
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- Seron, Suren M. Mouthpiece cover. 2,877,598, 3-17-59, Cl. 46-179.
- Seron, Suren M. Call holder. 2,911,694, 11-10-59, Cl. 24-73.
- Seror, Albert Z. Tape applicator. 2,890,808, 6-16-59, Cl. 216-33.
- Serota, Samuel: See—  
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- Serpe, Ralph. Form for precast terrazzo saddle for doors. 2,885,761, 5-12-59, Cl. 25-118.
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- Servi, John: See—  
Zink, George A., Child, Servi, and Gorsky. 2,899,725.
- Service, Adellon C.: See—  
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- Service Pipe Line Co.: See—  
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Blackstone, Henry. 2,878,713.  
Blackstone, Henry. 2,882,783.  
Blackstone, Henry. 2,911,608.  
Blackstone, Henry. 2,914,608.  
Blackstone, Henry, and Willey. 2,878,712.  
Fraser, Walter A. 2,883,291.  
Gallagher, Cornelius A. 2,871,475.  
Gallagher, Cornelius A., and Pelino. 2,880,309.  
Greenleaf, Francis D., Meyer, and Villar. 2,911,470.  
Hansel, Paul G. 2,891,157.  
Howell, Sabert N. 2,869,369.  
Jerger, Joseph, Jr. 2,883,292.  
Jerger, Joseph, Jr. 2,883,294.  
Jerger, Joseph, Jr. 2,883,295.  
Jerger, Joseph, Jr. 2,886,495.  
Jerger, Joseph, Jr., and McKenna. 2,883,293.  
Leeds, Charles M., Hoff, Pelino, and Johannesen. 2,883,647.  
Willey, Frank G. 2,878,710.  
Willey, Frank G. 2,911,876.  
Willey, Frank G., and Greenleaf. 2,918,581.
- Serv-O-Lift Corp.: See—  
Shivek, Herbert L. 2,919,168.
- Servomechanisms, Inc.: See—  
Moore, David W. 2,869,367.  
Moore, David W., and Blair. 2,901,741.
- Servomex Controls Ltd.: See—  
Mudie, Ronald. 2,879,392.
- Servonics, Inc.: See—  
Long, Alexander. 2,909,747.
- Serwer, Harry. Paint receptacle. 2,887,705, 5-26-59, Cl. 15-121.3.
- Sesler, Robert W., D. H. Baldwin, and G. O. Sprouse, to Union Carbide Corp. Container filler. 2,874,733, 2-24-59, Cl. 141-87.
- Sessions Clock Co., The: See—  
Fox, William C., and Clark. 2,905,778.
- Sessions, Marc H., to United States Borax & Chemical Corp. Cabineted powder dispenser. 2,906,578, 9-29-59, Cl. 312-242.
- Sessions, Sharon D., to Zetetic Inc. Signalling comparator. 2,910,777, 11-3-59, Cl. 33-148.
- Sesso, Louis M., to S. C. Johnson & Son, Inc. Silicone coating compositions. 2,868,657, 1-13-59, Cl. 106-10.
- Setecka, John C. Individual tea brewing device. 2,887,037, 5-19-59, Cl. 99-295.
- Sethna, Patarasp R., to Bendix Aviation Corp. Suspension system. 2,901,239, 8-25-59, Cl. 267-8.
- Sethne, Magne, and I. Skorge, to Persil-fabrikken A/S. Adapter for container openings. 2,874,882, 2-24-59, Cl. 222-543.
- Setka, Raymond P., to Crane Co. Valve actuating mechanism or the like. 2,885,174, 5-5-59, Cl. 251-76.
- Set Screw & Mfg. Co.: See—  
Brown, Calvin O. 2,877,680.  
Brown, Calvin O. 2,877,681.
- Settele, Wilhelm, to Siemens-Plania Werke Akt. fuer Kohle-fabrikate. Instrument for measuring internal taper threads. 2,850,518, 4-7-59, Cl. 33-199.
- Settelmayr, Joseph J., and J. W. Wright, to F. N. Palmatier. Crankcase ventilator. 2,884,950, 5-5-59, Cl. 137-480.
- Setterblade, Earl O., to United States of America, Navy. Combustion control arrangement for afterburners. 2,899,799, 8-18-59, Cl. 60-39.72.
- Settles, Dean T., to Weldon Industries, Inc. Adjustable merchandise skid. 2,873,984, 2-17-59, Cl. 248-120.
- Settles, James C., to The Buckeye Steel Castings Co. Vibration absorber for vehicles. 2,887,071, 5-19-59, Cl. 105-392.5.
- Settles, James C., to The Buckeye Steel Castings Co. Spring group and damping mechanism. 2,900,181, 8-18-59, Cl. 267-9.
- Settles, James C., and W. W. Helmberger, to The Buckeye Steel Castings Co. Vibration absorbers for reciprocating tools. 2,875,731, 3-3-59, Cl. 121-13.
- Settzo, Robert J., to Corning Glass Works. Linear body gauging. 2,910,862, 11-3-59, Cl. 73-37.7.
- Setwell Co., The: See—  
Crockett, William P., Jr. 2,904,235.
- Setzekorn, Eugene M.: See—  
Foltz, Frederick F., and Setzekorn. 2,888,339.
- Seul, Vincenz: See—  
Alf, Fritz, and Lense. 2,897,328.
- Seur, Christiaan J., to North American Phillips Co., Inc. Camera comprising a pick-up tube and a lens objective with a variable effective aperture ratio. 2,868,100, 1-13-59, Cl. 95-64.
- Seur, Christiaan J., and H. J. Boon, to North American Phillips Co., Inc. Circuit arrangement for use in television transmitting devices for scanning films. 2,890,278, 6-9-59, Cl. 178-7.2.
- Seurynck, Bernard J. Pin crimping tool. 2,878,698, 3-24-59, Cl. 81-15.
- Sevack, Milton: See—  
Checke, Harry, and Melville. 2,916,147.
- Sevald, William T.: See—  
Johnson, William H. 2,874,697.
- Sevick, Josef K., to Curtiss-Wright Corp. Combustion chamber construction. 2,884,758, 5-5-59, Cl. 60-30.65.
- Seven, Raymond P., to Morton Chemical Co. Continuously treating seeds by interaction thereupon to produce desired weight of seed treating agent. 2,894,873, 7-14-59, Cl. 167-38.
- Sevenspiller, Ross, to Polymer Corp. Ltd. Packaging machine. 2,875,566, 3-3-59, Cl. 53-334.
- Severance, Ralph H., to The Magnavox Co. Means for initiation of detonator. 2,873,680, 2-17-59, Cl. 102-73.
- Severance, Ralph H., to The Magnavox Co. Fuse arming mechanism. 2,887,057, 5-19-59, Cl. 102-79.
- Severance, Ralph H., to The Magnavox Co. Detonation delay device. 2,894,457, 7-14-59, Cl. 102-70.2.
- Severin, Axel A.: See—  
Wahlberg, Nils R. 2,919,185.
- Severini, Goffredo, to Studi E. Brevetti Applicazioni Tessili S. r. l. Reel type apparatus for the liquid treatment of yarn. 2,867,105, 1-6-59, Cl. 68-205.
- Severini, Goffredo. Processes and equipments for the continuous treating of yarns. 2,883,259, 4-21-59, Cl. 8-151.1.
- Serverson, Helmer E. Spraying and cleaning apparatus. 2,898,093, 8-4-59, Cl. 259-39.
- Serverson, Kermit H. Toothpick holders. 2,877,892, 3-17-59, Cl. 206-37.
- Serverson, Kermit H. Toothpick holders. 2,884,122, 4-28-59, Cl. 206-37.
- Sevey, Don C.: See—  
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- Servign, Charles P. Candy cutter. 2,905,112, 9-22-59, Cl. 107-21.
- Savin, Roger J.: See—  
Edwards, George W., and Savin. 2,867,386.  
Edwards, George W., and Savin. 2,876,958.  
Edwards, George W., and Savin. 2,895,689.
- Saving, Edwin F. Vehicle hoist cradle. 2,895,762, 7-21-59, Cl. 294-67.
- Seward, Edwin R., and W. C. Gainer, to ASCO Automatic Specialties Corp. Thread protector. 2,898,944, 8-11-59, Cl. 138-96.
- Seward, James C. Combined luggage carrier and seating unit for vehicles. 2,892,481, 6-30-59, Cl. 155-5.
- Seward, Kenneth O., to Cessna Aircraft Co. Terminal attaching machine. 2,917,099, 12-15-59, Cl. 153-1.
- Sewell, Ernest R., to International Harvester Co. Motor vehicle body mounting means. 2,882,090, 4-14-59, Cl. 296-35.
- Sewell, Ben W.: See—  
Boucher, Frank G., and Sewell. 2,910,645.
- Sewell, Ben W., to United States of America, Navy. Switch. 2,900,467, 8-18-59, Cl. 200-80.
- Sewell, Frederick R., to Percy Jones (Twinkl) Ltd. Posting tray for loose leaf filing systems. 2,877,773, 3-17-59, Cl. 129-29.
- Sewell, Frederick R., to Percy Jones (Twinkl) Ltd. Support member. 2,896,247, 7-28-59, Cl. 16-42.
- Sewell, Frederick R., to Percy Jones (Twinkl) Ltd. Posting tray for loose leaf filing systems. 2,910,069, 10-27-59, Cl. 129-16.
- Sewell, Philip W. Signaling device. 2,880,408, 3-31-59, Cl. 340-262.
- Sewer-O-Matic, Inc.: See—  
Kovac, Steve, Jr. 2,912,111.
- Sewig, Rudolf F., to Volklander A.G. Photographic camera with spring mechanism. 2,917,981, 12-22-59, Cl. 95-11.
- Sexauer, William O., to The J. H. Day Co., Inc. Panner for twisted bread. 2,893,534, 7-7-59, Cl. 198-21.
- Sexton, Arthur R., to The Dow Chemical Co. Preparation of glycolitrile. 2,890,238, 6-9-59, Cl. 260-465.6.
- Sexton, Arthur R., to The Dow Chemical Co. Method for the preparation of iminodiacetic acid. 2,895,989, 7-21-59, Cl. 260-534.
- Sexton, James F. Beehive. 2,897,521, 8-4-59, Cl. 6-2.
- Sexton, Riley A.: See—  
Frazier, George A., and Sexton. 2,911,822.
- Sexton, Robert W.: See—  
Nutting, Arthur, and Sexton. 2,889,004.
- Seyb, Edgar J., Jr.: See—  
Stareck, Jesse E., Seyb, Johnson, and Rowan. 2,916,424.
- Serbolt, Alan U., to United States of America, Atomic Energy Commission. Metal compositions. 2,872,308, 2-3-59, Cl. 75-122.7.
- Seyer, Chester L.: See—  
Hall, Dick S., Dean, Seyer, and Forkel. 2,880,078.  
Forkel, Curt E., Hall, and Seyer. 2,880,983.
- Seyfang, Frank G. Emergency radio transmitter. 2,907,875, 10-6-59, Cl. 250-17.
- Seyferth, Dietmar, to Dow Corning Corp. Organosilicon polyboranes. 2,902,505, 9-1-59, Cl. 260-448.2.
- Seyforth, Rome C., to The Shelby Metal Products Co. Rotary display rack. 2,868,386, 1-13-59, Cl. 211-95.
- Seyfried, Arthur W., to Scovill Mfg. Co. Flexible coupling means for separable shafts. Re. 24,607, 2-24-59, Cl. 192-55.
- Seyfried, Arthur W., and P. W. Labr, to Scovill Mfg. Co. Portable food mixer and support. 2,891,745, 6-23-59, Cl. 248-13.
- Seyler, Jay K.: See—  
Wheeler, Keith W., Seyler, Palopoli, and McCarty. 2,898,339.
- Seymour, Clyde H. Competitive electro-magnetic game. 2,894,747, 7-14-59, Cl. 273-118.
- Seymour Foods, Inc.: See—  
Gorman, James M., and Keith. 2,901,360.



- Seymour, James E., to Central Farmers Fertilizer Co. Processes for producing phosphatic fertilizers. 2,908,661, 10-13-59, Cl. 71-33.
- Seymour, Lee J.: See—  
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- Seymour Mfg. Co., The: See—  
Castellano, Eugene N. 2,871,173.
- Seymour, Samuel L.: See—  
Duncan, James E., and Seymour. 2,898,219.
- Seymour, Samuel L., and J. E. Duncan, to Pittsburgh Plate Glass Co. Glass composition. 2,901,365, 8-25-59, Cl. 106-52.
- Sferrazza, Peter J., to Sperry Rand Corp. Microwave power multiplier. 2,875,415, 2-24-59, Cl. 333-10.
- Shag, Solomon. Building elements. 2,901,781, 9-1-59, Cl. 20-4.
- Shabaker, Hubert A., to Houdry Process Corp. Temperature control of exothermic reactions. 2,918,436, 12-22-59, Cl. 252-418.
- Shabica, Anthony C., to Ciba Pharmaceutical Products, Inc. Process for the preparation of a diamine. 2,908,714, 10-13-59, Cl. 260-583.
- Shackelford, Jesse J., to Fairmont Box Co. Box partition assembly device. 2,909,104, 10-20-59, Cl. 93-38.
- Shackelford, Renee M. F. Disposable bib with tying strips. 2,881,447, 4-14-59, Cl. 2-49.
- Shacklett, Comer D., to E. I. du Pont de Nemours and Co. Water soluble organotin compounds and process of preparation. 2,870,181, 1-20-59, Cl. 260-429.5.
- Shada, Joseph J., to Bellows Electric Sign Corp. Fluid power motor valve. 2,893,688, 7-7-59, Cl. 253-3.
- Shadd, Daniel: See—  
Dittmore, Richter, Shadd, McMillan, and Trickle. 2,885,735.
- Shafer, Homer J., to Shafer Valve Co. Valve constructed of pre-formed tubes and method of making same. 2,890,017, 6-9-59, Cl. 251-174.
- Shafer, Homer J., to Shafer Valve Co. Modulating pilot control responsive to pressure variations. 2,915,042, 12-1-59, Cl. 121-38.
- Shafer, James A., to National Malleable and Steel Castings Co. Car truck. 2,889,784, 6-9-59, Cl. 105-197.
- Shafer, John H., to General Electric Co. Epoxy resin-plastic electrical insulating materials and method of making same. 2,892,808, 6-30-59, Cl. 260-45.5.
- Shafer, Orville B., and W. S. Rohland, to International Business Machines Corp. Printer for calculating unit. 2,909,993, 10-27-59, Cl. 101-93.
- Shafer, Orville B., and A. C. Reynolds, Jr., to International Business Machines Corp. Bit count checking circuit. 2,910,234, 10-27-59, Cl. 235-153.
- Shafer, Orville B., and W. S. Rohland, to International Business Machines Corp. Binary to decimal translator. 2,910,685, 10-27-59, Cl. 340-347.
- Shafer, Richard C.: See—  
Kuba, Samuel, and Shafer. 2,913,130.
- Shafer, Russell E.: See—  
Cary, John E., Shafer, and V. Cary. 2,905,974.  
Cary, John E., Shafer, and V. Cary. 2,906,394.
- Shafer Valve Co.: See—  
Justice, Elmer H. 2,896,582.  
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Shafer, Homer J. 2,915,042.
- Shafer, William L., Jr.: See—  
Cesareo, Orfeo, and Shafer. 2,919,439.
- Shaffer, Grace L. Ironing board device. 2,888,760, 6-2-59, Cl. 38-136.
- Shaffer, Ivan H. Axle mounting for trailers. 2,877,027, 3-10-59, Cl. 280-104.5.
- Shaffer, Marlin R.: See—  
Regnier, Norman J., and Shaffer. 2,913,583.  
Regnier, Norman J., and Shaffer. 2,919,298.
- Shaffer, Paul B., to General Electric Co. Assembly and method for determining the end play of a rotatable shaft. 2,912,290, 11-10-59, Cl. 308-163.
- Shaffer, Perry, to United States of America. Air Force. Venturi flow meter. 2,872,810, 2-10-59, Cl. 73-213.
- Shaffer, Ralph: See—  
Layton, J. C., and Shaffer. 2,889,147.
- Shaffer Tool Works: See—  
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Gibson, Wilfred C. 2,905,429.  
Miller, Ivan. 2,886,282.
- Shaffer, Wallace: See—  
Patton, Bernard J. 2,910,337.
- Shaffer, Walter M., to Towmotor Corp. Triple telescopic high free lift truck. 2,918,143, 12-22-59, Cl. 187-9.
- Shaffer, William E. Trailer hitch with plural articulation axes. 2,890,065, 6-9-59, Cl. 280-492.
- Shaffer, William R.: See—  
Wald, John R., Jr., and Shaffer. 2,889,580.
- Shaffer, William R., to Wald Industries, Inc. Stabilized trailer. 2,872,210, 2-3-59, Cl. 280-124.
- Shafranek, Robert J.: See—  
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- Shabreen, John. Electromechanical apparatus and process associated therewith. 2,876,414, 3-3-59, Cl. 324-30.
- Shaines, Alfred: See—  
Ellis, Herbert M., and Shaines. 2,880,520.
- Shakely, Howard H., to Jones & Laughlin Steel Corp. Splash mat for ingot molds. 2,907,083, 10-6-59, Cl. 22-139.
- Shakely, Ronald H.: See—  
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- Shakesby, Leonard, to Canada Cycle and Motor Co. Ltd. Adjustment means for spoke tightening tool. 2,892,490, 6-30-59, Cl. 157-1.5.
- Shakesby, Leonard, to Canada Cycle and Motor Co. Ltd. Spoke tightening head. 2,896,697, 7-28-59, Cl. 157-1.5.
- Shakespeare Co.: See—  
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Underwood, Harold B., and Harrington. 2,919,077.
- Shakespeare Products Co.: See—  
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- Shakman, James G., to Pabst Brewing Co. Canning process and product. 2,894,844, 7-14-59, Cl. 99-182.
- Shale, Correll C., to United States of America. Interior. Pulsating counter-flow feeder. 2,867,478, 1-6-59, Cl. 302-26.
- Shaleen, John S. Toilet. 2,886,826, 5-19-59, Cl. 4-10.
- Shaler, David, to Faximile, Inc. Connector-switch. 2,881,273, 4-7-59, Cl. 200-16.
- Shaler, Richard G.: See—  
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- Shaler, Richard G., R. L. McAdam, and M. J. Baalman, to American Tansul Co. Process for treating beer. 2,916,377, 12-8-59, Cl. 99-39.
- Shallit, Harold: See—  
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Heinemann, Heinz, and Shallit. 2,908,654.  
Hindin, Saul G., and Shallit. 2,908,656.
- Shallit, Harold, to Houdry Process Corp. Desulfurization of olefinic gasoline. 2,913,405, 11-17-59, Cl. 208-213.
- Shallcross, Robert L.: See—  
Eadie, Edward M., and Shallcross. 2,883,489.
- Shallenberg, Robert L., to International Harvester Co. Fuel injector for internal combustion engines. 2,872,247, 2-3-59, Cl. 299-107.2.
- Shallenberg, Robert L., to International Harvester Co. Non-throttled spark ignition engine. 2,887,993, 5-26-59, Cl. 123-32.
- Shamban, W. S., & Co.: See—  
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- Shamban, William S., H. A. Traub, and F. R. Chaffin. One-piece grommet. 2,912,712, 11-17-59, Cl. 16-2.
- Shames, Harold and S. J. Non-clogging aerator for faucets. 2,896,863, 7-28-59, Cl. 239-431.
- Shames, Harold and S. J. Aerator. 2,902,224, 9-1-59, Cl. 239-431.
- Shames, Sidney J.: See—  
Shames, Harold and S. J. 2,896,863.  
Shames, Harold and S. J. 2,902,224.
- Shampaine Co.: See—  
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Reichert, Allan S., and Adolphson. 2,905,952.
- Shanahan, Curtis M., to Container Corp. of America. Paper-board tray. 2,868,429, 1-13-59, Cl. 229-30.
- Shanahan, John L. Wind power machine. 2,867,283, 1-6-59, Cl. 170-15.
- Shanahan, William J., to Skiatron Electronics & Television Corp. Subscription television system. 2,912,486, 11-10-59, Cl. 178-5.1.
- Shand and Jurs Co.: See—  
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- Jurs, Peter C., and Van Overveen. 2,904,998.
- Jurs, Peter C., Van Overveen, and Blake. 2,869,239.
- Shandelman, Frank: See—  
Levin, Morris, and Shandelman. 2,914,673.
- Shane, Sylvan M. Breathing indicator. 2,904,033, 9-15-59, Cl. 128-2.
- Shank, Robert J., and G. E. Bowler, to Hughes Aircraft Co. Disturbed line-of-sight fire control system. 2,878,466, 3-17-59, Cl. 343-7.
- Shank, Thomas A., to The Babcock & Wilcox Co. Manipulating mechanism for heavy duty metal working presses. 2,891,596, 6-23-59, Cl. 153-48.
- Shank, Walter B.: See—  
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- Shankland, Robert L., to Royleys Ltd. Strainers or like pressure vessels. 2,883,084, 4-21-59, Cl. 220-55.
- Shanklin, Dunbar L.: See—  
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- Shanks, Donald L. Apparatus for holding articles. 2,889,658, 6-9-59, Cl. 43-54.5.
- Shanks & McEwan Ltd.: See—  
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- Shanley, James J.: See—  
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- Shanley James J., to Air Products Inc. Liquefied gas pressurizing systems. 2,896,416, 7-28-59, Cl. 62-21.
- Shannon, Cecil E. Shoe extensions. 2,910,703, 11-3-59, Cl. 3-5.
- Shannon, Jack F.: See—  
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Green, Thomas A., Gorrie, Shannon, and Fink. 2,885,536.

- Shannon, Jack F., to Bailey Meter Co. Control systems with proportional band selecting means. 2,867,229, 1-6-59, Cl. 137-85.
- Shannon, Jack F., to Bailey Meter Co. Fluid pressure control system. 2,871,878, 2-3-59, Cl. 137-486.
- Shannon, Jack F., to Bailey Meter Co. Integrating mechanism. 2,877,669, 8-17-59, Cl. 74-789.
- Shannon, Jack F., to Bailey Meter Co. Control by indirect measurement. 2,889,114, 6-2-59, Cl. 236-14.
- Shannon, Jack F., C. H. Barnard, and H. C. Schink, to Bailey Meter Co. Control systems. 2,870,729, 1-27-59, Cl. 114-16.
- Shannon, James L., to Lockheed Aircraft Corp. Machine for sleeving wire bundles, and the like. 2,883,813, 4-28-59, Cl. 53-180.
- Shannon, John K. Battery cover. 2,886,622, 5-12-59, Cl. 136-170.
- Shannon Ltd., The: See—  
Posner, Bernard B. 2,871,861.
- Shannon, Merrill L. Pneumatic tire leakage indicator. 2,906,282, 9-29-59, Cl. 137-228.
- Shannon, Richard F., and R. H. Mitchell, to Owens-Corning Fiberglass Corp. High temperature resistant vitreous material. 2,901,379, 8-25-59, Cl. 117-124.
- Shanty, Frank, and R. S. Brumfield, to United States of America. Army. Canisterless gas mask. 2,910,979, 11-3-59, Cl. 128-141.
- Shapiro, Elliot: See—  
Gould, David H., Hershberg, and Shapiro. 2,900,400.
- Shapiro, Irving J. Machines for binding sheets of material. 2,897,504, 8-4-59, Cl. 1-187.
- Shapiro, Gloria M.: See—  
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- Shapiro, Gustave, to United States of America. Navy. Plug system for joining electric sub-assembly to chassis. 2,879,491, 3-24-59, Cl. 339-17.
- Shapiro, Harry G., to Joseph Waldman & Sons. Watch crowns. 2,912,818, 11-17-59, Cl. 58-58.
- Shapiro, Henry, to Adler Electronics, Inc. Resonant unit. 2,918,636, 12-22-59, Cl. 333-82.
- Shapiro, Hymin: See—  
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Brown, Jerome E., De Witt, and Shapiro. 2,910,492.
- Shapiro, Hymin, to Ethyl Corp. Manufacture of cyclopentadienyl manganese carbonyl compounds. 2,916,504, 12-8-59, Cl. 260-429.
- Shapiro, Hymin, to Ethyl Corp. Manufacture of cyclopentadienyl manganese carbonyl compounds. 2,916,505, 12-8-59, Cl. 260-429.
- Shapiro, Hymin, E. G. De Witt, and J. E. Brown, to Ethyl Corp. Process for the preparation of cyclooctamanganese tricarboxyls. 2,898,354, 8-4-59, Cl. 260-429.
- Shapiro, Isadore. Continuous process for producing diborane. 2,899,279, 8-11-59, Cl. 23-204.
- Shapiro, Isadore, and H. G. Weiss, to Olin Mathieson Chemical Corp. Process for the polymerization of mono-olefin and acetylene hydrocarbons. 2,867,675, 1-6-59, Cl. 260-673.
- Shapiro, Jonas M. Discriminator circuit. 2,871,349, 1-27-59, Cl. 250-27.
- Shapiro, Justin J.: See—  
Kremen, Jerome, and Shapiro. 2,873,644.
- Shapiro, Justin J., to American Instrument Co., Inc. Corrosion testing device. 2,867,784, 1-6-59, Cl. 336-134.
- Shapiro, Justin J., and N. M. Winslow, to said Shapiro assor. to American Instrument Co., Inc. Porosimeter. 2,886,964, 5-19-59, Cl. 73-38.
- Shapiro, Lazarus C.: See—  
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- Shapiro, Leo, and A. D. St. John, to United States of America. Army. Lightweight recoilless gun. 2,884,837, 5-5-59, Cl. 89-1.7.
- Shapiro, Louis, to Radio Corp. of America. Registration system. 2,894,058, 7-7-59, Cl. 178-5.2.
- Shapiro, Louis, to Radio Corp. of America. Color-correction systems. 2,902,539, 9-1-59, Cl. 178-5.2.
- Shapiro, Louis, to Radio Corp. of America. Dynamic control circuit for cathode ray tubes. 2,915,582, 12-1-59, Cl. 178-7.2.
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- Shapiro, Louis, to Radio Corp. of America. Color correction system. 2,918,523, 12-22-59, Cl. 178-5.2.
- Shapiro, M. Samuel: See—  
Foster, Bertram D., and McCabe. 2,879,761.
- Shapiro, Martin D., to Royal-Pioneer Paper Box Mfg. Co., Inc. Folding box construction. 2,914,236, 11-24-59, Cl. 229-34.
- Shapiro, Nelson H.: See—  
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- Shapiro, Paul. Circular awning. 2,899,719, 8-18-59, Cl. 20-57.5.
- Shapiro, Reuben. Cover for pants hanger. 2,912,150, 11-10-59, Cl. 223-98.
- Shapiro, Seymour L.: See—  
Freedman, Louis, and Shapiro. 2,880,231.  
Freedman, Louis, Shapiro, and Gelger. 2,919,229.
- Shapiro, Seymour L., L. Freedman, and K. Weinberg, to U. S. Vitamin Corp. N,N'-alkylene-bis-(3-hydroxypiperidine) compounds and preparation thereof. 2,878,254, 3-17-59, Cl. 260-293.2.
- Shapiro, Seymour L., and L. Freedman, to U. S. Vitamin Corp. Methoximinopenteneones. 2,888,464, 5-26-59, Cl. 260-340.5.
- Shapiro, Seymour L., L. Freedman, and I. M. Rose, to U. S. Vitamin & Pharmaceutical Corp. Pyridylethylated salicylamides. 2,899,437, 8-11-59, Cl. 260-295.
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- Shapiro, Seymour L., L. Freedman, and H. Soloway, to U. S. Vitamin & Pharmaceutical Corp. Aminoalkoxyalkylpiperidines. 2,909,526, 10-20-59, Cl. 260-294.7.
- Shapiro, Seymour L., L. Freedman, and K. Weinberg, to U. S. Vitamin & Pharmaceutical Corp. N,N'-substituted-bis-(3-oxypyridyl) betaines and their preparation. 2,909,527, 10-20-59, Cl. 260-296.
- Shapiro, Seymour L., L. Freedman, and K. Weinberg, to U. S. Vitamin & Pharmaceutical Corp. Certain N-aryl methyl-3-oxypyridyl betaines and process. 2,909,528, 10-20-59, Cl. 260-297.
- Shapiro, Seymour L., L. Freedman, and H. Soloway, to U. S. Vitamin & Pharmaceutical Corp. Succinate esters. 2,909,531, 10-20-59, Cl. 260-326.3.
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- Shapiro, Sydelie S. Apron device. 2,879,514, 3-31-59, Cl. 2-48.
- Shapiro, Uriel G., and T. S. Rochester, to Commercial Plastics Ltd. Means for bending the rolls of rolling machines. 2,897,538, 8-4-59, Cl. 18-2.
- Shapiro, Viola E. Heel protector. 2,894,339, 7-14-59, Cl. 36-72.
- Shapleigh, James H., to Hercules Powder Co. Process for the high temperature reaction of hydrocarbons. 2,904,497, 9-15-59, Cl. 208-47.
- Shapleigh, James H., to Hercules Powder Co. Method of cracking hydrocarbons. 2,904,502, 9-15-59, Cl. 208-130.
- Shapleigh, James H., to Hercules Powder Co. Tubular furnace. 2,914,386, 11-24-59, Cl. 23-277.
- Shappell, Stanley C., to Sylvania Electric Products Inc. Welding method and apparatus. 2,916,603, 12-8-59, Cl. 219-78.
- Share, Barnett. Coin operated devices and method of collecting coins therefrom. 2,869,777, 1-20-59, Cl. 232-16.
- Share, Barnett. Coin collection system. 2,869,778, 1-20-59, Cl. 232-16.
- Share, Jerome R.: See—  
Kinzelman, Francis J. 2,890,653.
- Sharin, Samuel, H. J. Kishi, T. R. Sheridan, and A. Liquori, to Radio Corp. of America. Spherul circuit. 2,919,306, 12-29-59, Cl. 178-26.
- Sharkey, Thomas B. Optical training device to increase reading speed. 2,875,530, 3-3-59, Cl. 35-35.
- Sharma, Jagann N., to Zenith Processing Corp. Self-timing dispenser for vaporizable organic liquids. 2,867,360, 1-6-59, Cl. 222-541.
- Sharma, Roshan L., to Collins Radio Co. Method of testing electromechanical filters. 2,887,877, 5-26-59, Cl. 73-67.2.
- Sharon Steel Corp.: See—  
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- Sharp, Allen W.: See—  
Kaufman, Floyd L., Van Dolah, and Sharp. 2,898,961.
- Sharp, Bernard C.: See—  
Lery, Sidney E., and Sharp. 2,896,901.
- Sharp, Dexter B.: See—  
Gaertner, Van R., and Sharp. 2,875,124.
- Jaworski, Ernest G., and Sharp. 2,870,056.
- Sharp, Dexter B., and B. S. Wildi, to Monsanto Chemical Co. Manufacture of diphenylmethyl hydroperoxide. 2,883,427, 4-21-59, Cl. 260-610.
- Sharp, Donald R.: See—  
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- Sharp, Douglas M.: See—  
Dorney, Patrick E., and Sharp. 2,912,652.
- Sharp, Ethel C. Foundation garment. 2,878,810, 3-24-59, Cl. 128-432.
- Sharp, John J.: See—  
Townsend, Ralph, and Sharp. 2,898,513.
- Sharp, John J. Moldboard blade attachment. 2,892,270, 6-30-59, Cl. 37-145.
- Sharp, John R.: See—  
Arnot, Alfred E. R. 2,874,861.  
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- Sharp, John R., to E. Kaye. Aircraft handling devices. 2,919,043, 12-29-59, Cl. 214-653.
- Sharp, John S., to Brunswick-Balke-Collender Co. Interchangeable equipment wall structures. 2,876,909, 3-10-59, Cl. 211-103.
- Sharp, Joseph F., and G. D. Frymire, to Arcadia Metal Products. Sliding closure construction. 2,913,046, 11-17-59, Cl. 160-91.
- Sharp, Joseph F., and G. D. Frymire, to Arcadia Metal Products. Corner joint structure. 2,918,708, 12-29-59, Cl. 20-35.



- Sharp, Leonard W. D., and D. J. Blight, to The Plessey Co. Ltd. Swash-plate potentiometer drive. 2,874,253, 2-17-59, Cl. 201-48.
- Sharp, Shelby P., and A. Steitz, Jr., to Pan American Petroleum Corp. Process for improving color of oil-soluble alcohols. 2,885,446, 5-5-59, Cl. 260-643.
- Sharp, Silas S.: See—
- Hill, Gideon D., Sharp, and Wolf. 2,876,088.
- Sharp, Theo F., to Morse Chain Co. Drive chain. 2,909,938, 10-27-59, Cl. 74-256.
- Sharpe, Arthur H., to Underwood Corp. Ribbon winding device for typewriters and the like. 2,872,016, 2-3-59, Cl. 197-151.
- Sharpe, Frederick P., to Kelsey-Hayes Co. Piercing and chamfering machine. 2,915,164, 12-1-59, Cl. 198-19.
- Sharpe, Frederick P., to Kelsey-Hayes Co. Automatic rim loading machine. 2,917,100, 12-15-59, Cl. 153-28.
- Sharpe, Jack T. Fishhook remover. 2,887,817, 5-26-59, Cl. 43-63.5.
- Sharpe Mfg. Co.: See—
- Briggs, Earl C. 2,880,940.
- Sharpe, Philip B. Tire chain construction. 2,913,033, 11-17-59, Cl. 152-214.
- Sharpe, Philip B. Trailer hitch and steering means combined. 2,913,256, 11-17-59, Cl. 280-444.
- Sharpe, Verlos G., and J. S. Suro, to General Motors Corp. Freezing device. 2,874,553, 2-24-59, Cl. 62-367.
- Sharpe, Verlos G., to General Motors Corp. Refrigerator door control. 2,893,726, 7-7-59, Cl. 268-72.
- Sharpe, Verlos G., to General Motors Corp. Ice block ejector. 2,908,148, 10-13-59, Cl. 62-344.
- Sharpless Corp.: See—
- Davis, Walter C. 2,890,961.
- Jones, Leo D. 2,902,502.
- Sharples, Edna: See—
- Morton, Ian D., and Sharples. 2,916,382.
- Sharples, Edwin H., to Courtauld Ltd. Process for the recovery of zinc sulphate from solutions of zinc sulphate and magnesium sulphate. 2,867,496, 1-6-59, Cl. 18-54.
- Sharpless, Harry R., Jr.: See—
- Brooks, Frank W., Jr., and Sharpless. 2,879,227.
- Sharpless, William M.: See—
- Friss, Harold T., and Sharpless. 2,871,353.
- Sharps, Ralph L., to Goodman Mfg. Co. Tensioning apparatus for rope sideframe conveyors. 2,900,070, 8-18-59, Cl. 198-208.
- Sharrar, Osro G., W. R. Brooks, and N. J. Bigras, to W. R. Books, Inc. Archery hunting arrow. 2,888,264, 5-26-59, Cl. 273-106.5.
- Shashoua, Victor E., to E. I. du Pont de Nemours and Co. Acrylonitrile polymer composition containing the recurring unit of a polymerized bis (2-chloroethyl) vinyl phosphonate. 2,888,434, 5-26-59, Cl. 260-45.5.
- Shashoua, Victor E., to E. I. du Pont de Nemours and Co. Solution of a synthetic cross-linked polymer in a swelling liquid, process of using, and products obtained therefrom. 2,908,650, 10-13-59, Cl. 260-32.6.
- Shasta Water Co.: See—
- Schapiro, Abraham. 2,868,646.
- Shatterproof Glass Corp.: See—
- Jendriak, Joseph E. 2,872,756.
- Shattow, Emil E. Door switch deactivator. 2,875,290, 2-24-59, Cl. 200-61.79.
- Shaub, Kenneth D.: See—
- Edwards, John F., Jr., Shaub, and Friend. 2,919,320.
- Shaughnessy, Bernard F. Flag tower structure. 2,870,559, 1-27-59, Cl. 40-139.
- Shaughnessy, Frederick C., to Consolidated Edison Co. of New York, Inc. Induction welding of metallic pipes. 2,919,335, 12-29-59, Cl. 219-9.5.
- Shaul, John M. Timing device. 2,877,399, 3-10-59, Cl. 318-128.
- Shaven, Peter. Internally expanding band brake. 2,918,147, 12-22-59, Cl. 188-78.
- Shaver, Kenneth J., to Monsanto Chemical Co. Method of increasing fluidity of aqueous industrial mineral slurries. 2,900,266, 8-18-59, Cl. 106-100.
- Shaver, Kenneth J., and R. Perry, Jr., to Monsanto Chemical Co. Stabilization of sulfur trioxide. 2,868,624, 1-13-59, Cl. 23-174.
- Shaver, Raymond H.: See—
- Osovski, Conrad A., and Shaver. 2,873,903.
- Shaver, Raymond M., to Pullman Standard Car Mfg. Co. Stake pocket construction. 2,868,140, 1-13-59, Cl. 105-390.
- Shaver, Raymond M., and F. P. Adler, to Pullman-Standard Car Mfg. Co. Railway freight car corner cap. 2,883,971, 5-12-59, Cl. 105-406.
- Shaver, William C.: See—
- Glaze, Tom H., and Shaver. 2,908,247.
- Shaver, William R.: See—
- Faverty, Clyde B., and Shaver. 2,910,016.
- Shaver, William R., to Pullman-Standard Car Mfg. Co. Nailable steel floor for freight cars. 2,900,055, 8-18-59, Cl. 189-34.
- Shaver, William R., and C. Arentze, to Pullman Inc. Door top corner closure and safety bracket. 2,918,707, 12-29-59, Cl. 20-26.
- Shaw, Bernard: See—
- Lemmers, Eugene, Shaw, and Salo. 2,916,645.
- Shaw, Charles D. Harrow lift attachment. 2,882,980, 4-21-59, Cl. 172-236.
- Shaw, David W. Spark plug testers. 2,910,644, 10-27-59, Cl. 324-19.
- Shaw, Elliott N.: See—
- Woolley, Dilworth, and Shaw. 2,890,223.
- Shaw, Eric B. Inflatable life-saving raft. 2,888,690, 6-2-59, Cl. 9-11.
- Shaw, Ernest C., 1/2 to H. E. Krebs. Tea bag construction. 2,889,035, 6-2-59, Cl. 206-5.
- Shaw, Ernest C., O. C. Frank, and C. C. Jackson, to The Filler & Stowell Co. Hydraulic debarker having automatically controlled log speed and nozzle spacing, stroke and speed. 2,893,452, 7-7-59, Cl. 144-208.
- Shaw, Ernest H.: See—
- Cunningham, Samuel C., and Shaw. 2,901,148.
- Shaw, Evert V. Automobile beverage container assembly. 2,915,082, 12-1-59, Cl. 137-353.
- Shaw, Francis B. Oven liner. 2,882,890, 4-21-59, Cl. 126-273.
- Shaw, George B.: See—
- House, Perry W., Shaw, and Gribben. 2,902,125.
- Shaw, George S., to Glass Containers (Medical) Ltd. Tubular glass containers such as ampoules, phials and the like. 2,896,807, 7-28-59, Cl. 215-32.
- Shaw, Gilbert. Process for melt spinning and orienting polystyrene filaments. 2,900,220, 8-18-59, Cl. 18-54.
- Shaw, Harold R., to W. F. Avery. Tubeless tire collapsible bead stabilizer. 2,874,829, 2-24-59, Cl. 206-46.
- Shaw, Henry V., to General Motors Corp. Induction generator power system. 2,871,439, 1-27-59, Cl. 322-47.
- Shaw, Henry V., to General Motors Corp. Induction motor control system. 2,881,376, 4-7-59, Cl. 318-148.
- Shaw, Hugh H., M. Sanderson, and H. Bradshaw, to Cochran Motors. Carton sealing apparatus for field crop packing machine. 2,876,007, 3-10-59, Cl. 53-374.
- Shaw, Jack G., Jr., 1/2 to D. S. Palmer, and 1/2 to L. G. Saxton. Apparatus for controlling speed of automotive vehicles. 2,876,875, 3-10-59, Cl. 192-3.
- Shaw, James, to Keir and Cawder Ltd. Apparatus for transfer of dense solid materials. 2,910,168, 10-27-59, Cl. 198-57.
- Shaw, James A.: See—
- Dietrich, William G., and Shaw. Re. 24,649.
- Shaw, John E. B., to American Sterilizer Co. Drip meter. 2,884,924, 5-5-59, Cl. 128-214.
- Shaw, John T., J. F. Hosler, and M. T. Beachem, to American Cyanamid Co. Alkane bis-sulfonic acids. 2,917,540, 12-15-59, Cl. 260-500.
- Shaw, Laurence D.: See—
- Lester, William N., and Shaw. 2,914,635.
- Shaw, Noel, to Shaw Process Development Corp. Investment materials for casting moulds. 2,911,310, 11-3-59, Cl. 106-38.2.
- Shaw Process Development Corp.: See—
- Shaw, Noel. 2,911,310.
- Shaw, Ralph D., Sr. Ventilator operating mechanism for awning type windows. 2,905,464, 9-22-59, Cl. 268-110.
- Shaw, Ralph M., Jr., to Pedrick Tool and Machine Co. Bending machines with reversible motor drive. 2,884,987, 5-5-59, Cl. 153-45.
- Shaw, Ralph W.: See—
- Ponda, Jay C. 2,908,769.
- Shaw, Richard B.: See—
- Patterson, Walter M., Connor, and Shaw. 2,869,197.
- Shaw, Robert F., to Underwood Corp. Frequency divider. 2,892,933, 6-30-59, Cl. 250-27.
- Shaw, Robert F., to Underwood Corp. Information processing system. 2,910,668, 10-27-59, Cl. 340-174.
- Shaw, Robert F., and A. A. Auerbach, to Underwood Corp. Storage apparatus for typing control. 2,902,675, 9-1-59, Cl. 340-174.
- Shaw, Robert J., and A. E. Devendorf, to General Electric Co. Collapsible leg stand. 2,875,972, 3-3-59, Cl. 248-168.
- Shaw, Robert M., to United States of America, Navy. Rate gyroscope calibrating device. 2,882,718, 4-21-59, Cl. 73-1.
- Shaw, Truman B. Fishing lure. 2,896,356, 7-28-59, Cl. 43-42.28.
- Shaw-Walker Co.: See—
- Martin, Menno G. 2,869,898.
- Shaw, William E., R. M. Spenceley, and F. M. Teetzel, to United States of America, Atomic Energy Commission. Production of uranium tetrafluoride. 2,898,187, 8-4-59, Cl. 23-14.5.
- Shawhan, Elbert N., to Sun Oil Co. Dielectric constant meter. 2,906,948, 9-29-59, Cl. 324-60.
- Shawhan, Elbert N., to Sun Oil Co. Flow change detecting means. 2,906,949, 9-29-59, Cl. 324-61.
- Shawhan, Elbert N., to Sun Oil Co. Flow interrupting means. 2,918,095, 12-22-59, Cl. 141-210.
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- Shawmut Engineering Co.: See—
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- Bonistall, John F. 2,879,507.
- Shawver, Francis B. Hand cart adapted for use with interchangeable load carriers. 2,867,449, 1-6-59, Cl. 280-47.18.
- Shawver, G. D.: See—
- Schrage, Frederick S. 2,895,279.
- Shea, Francis L., to Barbour Welding Co. Two-part shoe welding and method of making the same. 2,916,834, 12-15-59, Cl. 36-78.
- Shea, Frederick L., Jr., to Great Lakes Carbon Corp. Process for preparing a carbonaceous material. 2,868,695, 1-13-59, Cl. 202-9.
- Shea, Frederick L., Jr., to Great Lakes Carbon Corp. Liquid oxygen explosive and methods for preparing same. 2,872,805, 2-3-59, Cl. 52-1.
- Shea, Howard W.: See—
- Payne, John W., Ray, and Shea. 2,873,147.
- Shea, Howard W., to Socony Mobil Oil Co., Inc. Method for controlling the level of a gravitating compact bed of solids. 2,904,518, 9-15-59, Cl. 252-414.
- Shea, Reelford P., and C. Raudenbush, to Preco Inc. Automatic leveling control and clinometer. 2,893,134, 7-7-59, Cl. 33-206.
- Shea, Richard F., to General Electric Co. Temperature compensated-transistor amplifier. 2,889,416, 6-2-59, Cl. 179-171.
- Sheaffer, Isaac M., Jr.: See—
- Mansky, Clarence B., and Sheaffer. 2,916,726.
- Sheaffer, Isaac M., Jr., to Burroughs Corp. High speed stepping apparatus. 2,906,130, 9-29-59, Cl. 74-84.
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- Hansen, Lewis C. 2,895,885.
- Mansheim, Richard J. 2,868,173.
- Martin, Lynn P. 2,914,028.
- Sheahan, Henry L. Adjustable chair arm gripping tray holder. 2,867,401, 1-6-59, Cl. 248-226.
- Sheahan, Robert E., to General Electric Co. Vacuum cleaner floor tool with rotating brush and cleaning means for brush. 2,904,518, 9-22-59, Cl. 15-388.
- Sheahan, Robert E., to Casco Products Corp. Electrical terminal for a heating element. 2,914,650, 11-24-59, Cl. 219-44.
- Sheakley, Leonard J.: See—
- MacIntyre, Ronald, and Sheakley. 2,871,197.
- Shearer, Duane C.: See—
- Frownfelter, Charles R., Harry, Hassard, and Shearer. 2,912,716.
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- Stineman, Russell W., and Shearer. 2,917,903.
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- Faulkner, William H., Jr., Shearer, and Woodworth. 2,883,552.
- Shearer, Newton H., Jr.: See—
- McConnell, Richard L., and Shearer. 2,882,278.
- Shearer, Newton H., Jr., and H. W. Coover, Jr., to Eastman Kodak Co. Polymerization of  $\alpha$ -olefins to solid polymer by means of an alkali metal alkyl and a supported oxide. 2,887,471, 5-19-59, Cl. 260-93.7.
- Shearer, Robert B., to Spontall, Inc. Fastener driving device. 2,907,038, 10-6-59, Cl. 1-3.
- Shearer, Wayne B.: See—
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- Shearman, Spicer D., and B. E. Herbolshelmer, to Garrett Tubular Products, Inc. Extensible column for a stool or the like. 2,872,223, 2-3-59, Cl. 287-58.
- Shears, Stuart T., to United-Carr Fastener Corp. Fastening device. 2,876,518, 3-10-59, Cl. 24-153.
- Shechter, Leon, J. Wynstra, and N. H. Reinking, to Union Carbide Corp. Hardener for epoxy resin composition. 2,897,179, 7-28-59, Cl. 260-47.
- Shecter, George O. Device for dispensing and counting homogeneous objects. 2,906,070, 9-29-59, Cl. 53-59.
- Sheedlo, Wilfred L. Portable folding stove. 2,917,039, 12-15-59, Cl. 126-9.
- Sheehan, James W. Apparatus for internal forging of chain links. 2,893,199, 7-7-59, Cl. 59-30.
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- Sheehy, Edward M., to Gadget-Of-The-Month Club, Inc. Can punches. 2,898,675, 8-11-59, Cl. 30-16.
- Sheeler, James E. R., to Shell Development Co. Drilling fluid composition for porous formations. 2,894,906, 7-14-59, Cl. 252-8.5.
- Sheeley, Eugene N., to United States of America, Army. Fall-safe time delay fuse. 2,900,913, 8-25-59, Cl. 102-84.
- Sheen, Graydon P. Trenching machine. 2,888,757, 6-2-59, Cl. 37-86.
- Sheen, Robert T., to Milton Roy Co. Controlled volume metering of liquefied gases. 2,881,596, 4-14-59, Cl. 62-55.
- Sheen, Robert T., to Milton Roy Co. System with plural-way valve for metering fluid. 2,881,958, 4-14-59, Cl. 222-250.
- Sheene, William E., Sr., to The National Asphalt Pavement Co. Burial casket vault. 2,911,703, 11-10-59, Cl. 27-35.
- Sheeran, Norman J., to American-Marietta Co. Laminating adhesive and method of producing the same. 2,870,034, 1-20-59, Cl. 106-124.
- Sheets, Chester R., to The Okonite Co. Wire-testing and measuring apparatus. 2,882,490, 4-14-59, Cl. 324-54.
- Sheets, Chester R., and J. Sasso, to The Okonite Co. Taping apparatus. 2,909,890, 10-27-59, Cl. 57-15.
- Sheets, Melvin G.: See—
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- Sheets, Milton O. Treating rolls for combine header. 2,903,836, 9-15-59, Cl. 56-104.
- Sheets, Vernal L., to Chicago Wheel & Mfg. Co. Abrading wheels. 2,907,148, 10-6-59, Cl. 51-208.
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- Sheetz, Charles E., to Food Machinery and Chemical Corp. Bag holding apparatus. 2,910,258, 10-27-59, Cl. 248-101.
- Sheetz, David P., to The Dow Chemical Co. Emulsion polymerization with acrylic-type acid esters of hydroxy-sulfonic acids and composition therefrom. 2,914,499, 11-24-59, Cl. 260-29.6.
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- Sheffer, Howard E., and J. F. Meyer, to Schenectady Varnish Co., Inc. Polyester resin, method of preparing same and electrical conductor coated therewith. 2,889,304, 6-2-59, Cl. 260-33.4.
- Sheffer, Lowell B. Sleeve extender. 2,869,766, 1-20-59, Cl. 223-74.
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- Mahmeister, Raymond A. 2,903,796.
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- Sheld, John W., 1/2 to G. Roy. Coil spring installation and removal tool. 2,903,788, 9-15-59, Cl. 29-227.
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- Sheffield, Wilbur L.: See—
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- Shelby Spring Hinge Co.: See—
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- Kharasch, Morris S., and Nudenberg. 2,870,200.
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- Van Scoy, Robert W. 2,875,152.
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- Van Winkle, John L., Bell, and Morris. 2,875,224.
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- Shepherd, Neal H., to General Electric Co. Communication system with automatic amplitude control. 2,912,569, 11-10-59, Cl. 250-13.
- Shepherd, Ridgley G., Jr., and E. C. Dearborn, to United States Testing Co., Inc. Epoxy resins cured with dianhydrides of tetracarboxylic acids. 2,871,221, 1-27-59, Cl. 260-47.
- Shepherd, Sydney A.: See—  
Cornell, Walter, and Shepherd. 2,898,517.
- Shepherd, Thomas C. R. Commutating apparatus. 2,876,953, 3-10-59, Cl. 241-38.
- Shepherd, Thomas C. R. Commutating apparatus. 2,876,954, 3-10-59, Cl. 241-46.
- Shepherd, Thomas C. R. Commutating apparatus. 2,918,222, 12-22-59, Cl. 241-46.
- Shepherd, William G., to Bendix Aviation Corp. Pickup tubes. 2,869,016, 1-13-59, Cl. 313-339.
- Shepherd, William G., to Bendix Aviation Corp. High frequency structure. 2,900,560, 8-18-59, Cl. 315-519.
- Shepherd, Wyley. Ventilators. 2,875,678, 3-3-59, Cl. 98-43.
- Shepherd, Wyley. Ventilators. 2,900,892, 8-25-59, Cl. 98-43.
- Shepler, Ross. Apparatus for wrapping lollipops and the like. 2,872,768, 2-10-59, Cl. 53-200.
- Sheppard, Charles B., and C. I. Bohlen, to Fruehauf Trailer Co. Two-way movable roof mechanism. 2,912,277, 11-10-59, Cl. 296-137.
- Sheppard, James K.: See—  
Leonard, Carl L., Schneider, and Sheppard. 2,906,372.
- Sheppard, Richard H. Check valve for Diesel engine fuel pump. 2,903,014, 9-8-59, Cl. 137-539.
- Sheppard, Richard H. Trumpet assembly. 2,904,145, 9-15-59, Cl. 192-4.
- Sheppard, Richard H. Power steering device. 2,909,076, 10-20-59, Cl. 74-388.
- Sheppard, Stephen T.: See—  
Porter, Allan W. H., and Sheppard. 2,872,799.
- Sher, Arnold, and J. S. Amstock, to John A. Roebing's Sons Corp. Electric cable clamp. 2,899,160, 8-11-59, Cl. 248-61.
- Shera, George M.: See—  
Mangold, Anthony J., Jr., and Spera. 2,908,254.
- Sherban, Daniel V., to The Babcock & Wilcox Co. Metallurgical furnace. 2,878,011, 3-17-59, Cl. 266-33.
- Sherbondy, Frank Y. Pressing machine accessory. 2,875,536, 3-3-59, Cl. 38-12.
- Sherbondy, William A. Calking gun and the like. 2,877,935, 3-17-59, Cl. 222-326.
- Sherbondy, William A. Compact carpet sweeper having fan with flexible drive shaft. 2,883,695, 4-28-59, Cl. 15-342.
- Sherbrook, Victor A. Machine for making sewing ribs for the insoles of footwear. 2,911,214, 11-3-59, Cl. 270-94.
- Sherer, Albert L., and J. J. Kazmierzak, to Summit Mfg. Co., Division of Ace Tool Engineering Co., Inc. Valve. 2,902,044, 9-1-59, Cl. 137-199.
- Sherer, Kenneth E.: See—  
Norman, Richard M., Powell, and Sherer. 2,896,257.
- Sherrod, Kenneth R.: See—  
Conway, Hugh G., and Sherrod. 2,873,137.
- Sheridan, James V. Hydroponic unit with compressible reservoir. 2,870,574, 1-27-59, Cl. 47-12.
- Sheridan, James V., and O. M. Lewis. Tire truing device comprising hydraulically operated tire support and adjustable cam operated cutting tool. 2,893,479, 7-7-59, Cl. 157-13.
- Sheridan, John W. Portable eye-testing apparatus. 2,893,288, 7-7-59, Cl. 88-22.
- Sheridan, T. W. & C. B., Co.: See—  
Newhouse, Donald R. 2,892,627.  
Zuercher, Anthony J. 2,879,636.  
Zuercher, Anthony J., and Schweizer. 2,911,213.
- Sheridan, Thomas I., Jr. Duck blind. 2,889,839, 6-9-59, Cl. 135-6.
- Sheridan, Thomas R.: See—  
Sharin, Samuel, Kishi, Sheridan, and Liquori. 2,919,306.
- Sherk, Daniel L.: See—  
Wayman, Morris, Sherk, and Kraske. 2,882,965.
- Sherlock, Barbara I.: See—  
Sherlock, Edward B. 2,878,596.
- Sherlock, Edward B., to B. I. Sherlock. Resilient vamp shoe. 2,878,596, 3-24-59, Cl. 36-51.
- Sherlock, Margaret, N. Sperber, and D. Papa, to Schering Corp. N (2 substituted thio phenyl) N phenyl, alkylene diamines. 2,889,328, 6-2-59, Cl. 260-268.
- Sherlock, Margaret H., to Schering Corp. Unsaturated-piperazino-alkyl-phenothiazines. 2,899,431, 8-11-59, Cl. 260-243.
- Sherlock, Margaret H., and N. Sperber, to Schering Corp. Heterocyclic amides. 2,887,481, 5-19-59, Cl. 260-243.
- Sherman, Alex.: See—  
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- Sherman, Albert J.: See—  
Stern, Robert G., and Sherman. 2,909,852.
- Sherman, Arnold: See—  
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- Sherman, Barney: See—  
Fogel, Louis. 2,884,515.
- Sherman, Clark W. Handled carton. 2,898,029, 8-4-59, Cl. 229-41.
- Sherman, Edwin W. Holder for grinding threading tools and the like. 2,912,801, 11-17-59, Cl. 51-220.
- Sherman, Eugene H. Point saving device. 2,888,914, 6-2-59, Cl. 123-179.
- Sherman, George R., to General Electric Co. Removable oven door structure. 2,873,737, 2-17-59, Cl. 126-191.
- Sherman, H. B., Mfg. Co.: See—  
Turner, George L. 2,902,290.
- Sherman, Herbert P. Machine for spirit duplicating. 2,907,272, 10-6-59, Cl. 101-132.5.
- Sherman, Kenneth I.: See—  
Eckess, William S., Sherman, and Deavenport. 2,888,525.
- Sherman, Loyd B. Pipe wrenches. 2,873,636, 2-17-59, Cl. 81-180.
- Sherman, Orville B., to Owens-Illinois Glass Co. Machine for molding plastic materials. 2,896,251, 7-28-59, Cl. 18-5.
- Sherman, Orville B., and G. V. Mumford, to Owens-Illinois Glass Co. Apparatus for feeding plasticized materials. 2,871,516, 2-3-59, Cl. 18-30.
- Sherman, Orville B., and L. D. Soulier, to Owens-Illinois Glass Co. Apparatus for making plastic articles. 2,901,769, 9-1-59, Cl. 18-5.
- Sherman Paper Products Corp.: See—  
Jennings, Harley Y. 2,883,303.
- Sherman Products, Inc.: See—  
Brinkel, Edwin P. 2,903,145.
- Williams, Edred B. 2,902,922.
- Sherman, Rallston M., to The Silent Glow Oil Burner Corp. Incinerators. 2,869,487, 1-20-59, Cl. 110-8.
- Sherman, Rallston M., to The Silent Glow Oil Burner Corp. Fluid fuel burning apparatus. 2,869,626, 1-20-59, Cl. 158-4.
- Sherman, Rallston M., to The Silent Glow Oil Burner Corp. Brooders. 2,870,966, 1-27-59, Cl. 237-14.
- Sherman, Rallston M., to The Silent Glow Oil Burner Corp. Fluid fuel burner. 2,897,885, 8-4-59, Cl. 158-76.
- Sherman, Ralph, deceased; Alex and Arnold Sherman, executors. Circuit protective variable ratio transformer system. 2,905,864, 6-22-59, Cl. 317-9.
- Sherman, Roger M., to W. R. Ames Co. Tool for applying a flexible locking member to a pipe coupling or similar device. 2,884,824, 5-5-59, Cl. 81-3.
- Sherman, Roger M., to W. R. Ames Co. Pipe coupling having a partially flexible locking member. 2,916,305, 12-8-59, Cl. 285-6.
- Sherman, Thomas L., to The Battelle Development Corp. Cage control device for slant type engine. 2,917,931, 12-22-59, Cl. 74-60.
- Sherman, William R., to Abbott Laboratories. 5-(5-nitro-2-furyl)-1,3,4-oxadiazoline-2-one or thione and process. 2,918,473, 12-22-59, Cl. 260-307.
- Sherno, Stanley A., to J. Craig. Battery cable terminal. 2,887,668, 5-19-59, Cl. 339-226.
- Sherrill, James W.: See—  
Paton, Joseph H., Sherrill, and Vander Pyl. 2,901,949.
- Sherrill, John F., to E. R. Lemert. Variable speed fluid pressure actuated impact device. 2,876,742, 3-10-59, Cl. 121-20.
- Sherrill, Joseph H., to R. J. Reynolds Tobacco Co. Apparatus for packing and wrapping cigarettes. 2,870,584, 1-27-59, Cl. 53-55.
- Sherrill, Joseph H., to R. J. Reynolds Tobacco Co. Carton packing apparatus. 2,909,016, 10-20-59, Cl. 53-61.
- Sherritt Gordon Mines Ltd.: See—  
Evans, David J. I., and Romanchuk. 2,867,528.  
Forward, Frank A., and Armstrong. 2,898,196.  
Forward, Frank A., and Armstrong. 2,898,197.  
Forward, Frank A., and Lin. 2,867,529.
- Sherron, Percival H., to Illuminated outdoor telephone booth. 2,881,306, 4-7-59, Cl. 240-2.
- Sherron, Percival H. Telephone booth. 2,896,694, 7-28-59, Cl. 155-78.
- Sherron, Percival H. Telephone booth door assembly. 2,900,020, 8-18-59, Cl. 160-206.
- Sherron, Percival H. Apparatus for joining telephone booths. 2,909,252, 10-20-59, Cl. 189-36.
- Sherron, Percival H. Telephone booth. 2,912,073, 11-10-59, Cl. 189-2.
- Sherry, Herbert J.: See—  
Oram, John A., and Sherry. 2,912,177.

- Sberts, James H., and R. W. Moorman, to Pittsburgh Plate Glass Co. Joints between cellulated glass and mortar-like materials. 2,888,360, 5-26-59, Cl. 117-8.
- Sberts, William M., J. E. Tatsak, and W. E. Zurney, to Pittsburgh Plate Glass Co. Fin grinding machine. 2,873,559, 2-17-59, Cl. 51-135.
- Sherwen, Joseph W., to The General Electric Co. Ltd. Apparatus for conveying materials and articles. 2,875,889, 3-3-59, Cl. 198-220.
- Sherwin-Williams Co.: See—  
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Budewitz, Eugene P. 2,892,802.  
Cryer, John. 2,894,988.  
Goldsholl, Morton, and Van Stone. 2,890,530.  
Grummitt, Oliver J., and Stearns. 2,894,849.  
Hunn, James V. 2,872,349.  
Hunn, James V., and Ogren. 2,871,500.  
Sample, James H. 2,890,186.  
Sample, James H., and Williams. 2,890,185.  
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- Sherwood, Edwin T., and H. C. Ganiere, to Globe-Union Inc. Low tension ignition system. 2,879,451, 3-24-59, Cl. 315-214.
- Sherwood, Henry A., to Infra Electronics Corp. Tone arm structure for sound equipment. 2,877,020, 3-10-59, Cl. 274-23.
- Sherwood, Henry A., to Minitone Inc. Motor governor. 2,894,192, 7-7-59, Cl. 318-325.
- Sherwood, Henry A., to H. A. Sherwood. Transducer. 2,916,561, 12-8-59, Cl. 179-100.41.
- Sherwood, Henry A. Drive means for transducer in recording and reproducing machine. 2,917,930, 12-22-59, Cl. 74-25.
- Sherwood, John R.: See—  
Perkins, William C., Sherwood, and Jacobson. 2,886,708.
- Sherwood, John R., to Collins Radio Co. Coarse frequency discriminator. 2,901,614, 8-25-59, Cl. 250-40.
- Sherwood, Ralph L.: See—  
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- Sherwood, Robert C., and R. H. Lundquist, to California-Doran Heat Treating Co. Method of oil quenching end-closed vessels. 2,872,364, 2-3-59, Cl. 148-21.55.
- Sherwood, Walter A., to The Farmingdale Corp. Floating non-sticking blades. 2,873,683, 2-17-59, Cl. 103-84.
- Sherwood, Walter A., and T. D. Verrill, to Farmingdale Mfg. Corp. Lay for weaving looms. 2,897,843, 8-4-59, Cl. 139-188.
- Shesser, Arthur B.: See—  
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- Shewmon, Ralph K., and W. G. Pontis, to General Motors Corp. Domestic appliance. 2,909,333, 10-20-59, Cl. 241-46.
- Shiba, Shuhei. Automatic web break detector in the rolling press. 2,896,944, 7-28-59, Cl. 271-2.3.
- Shibe, William J., Jr., to R. M. Hollingshead Corp. Disiloxane ester ethers. 2,909,551, 10-20-59, Cl. 260-448.8.
- Shield, Lawrence A. Collapsible cover for vehicle beds. 2,882,091, 4-14-59, Cl. 296-105.
- Shield, Lawrence A. Woven wire splicing means. 2,887,333, 5-19-59, Cl. 287-54.
- Shields, Albert F., to S & S Corrugated Paper Machinery Co., Inc. Folding machine. 2,898,818, 8-11-59, Cl. 93-49.
- Shields, Albert F., to S & S Corrugated Paper Machinery Co., Inc. Folding and gluing machine. 2,896,819, 8-11-59, Cl. 93-49.
- Shields, Albert F., to S & S Corrugated Paper Machinery Co., Inc. Folding machine. 2,898,821, 8-11-59, Cl. 93-49.
- Shields, Albert F., to S & S Corrugated Paper Machinery Co., Inc. Spring feeder for warped board. 2,902,280, 9-1-59, Cl. 271-44.
- Shields, Albert F., to S & S Corrugated Paper Machinery Co., Inc. Cutting and creasing press. 2,905,067, 9-22-59, Cl. 93-58.3.
- Shields, Donald J.: See—  
Coover, Harry W., Jr., and Shields. 2,883,360.  
Wooten, Willis C., Jr., and Shields. 2,879,256.
- Shields, George B., to Webster Electric Co. Tape footage indicator. 2,869,240, 1-20-59, Cl. 33-127.
- Shields, George B., to Webster Electric Co. Recorder-reproducer. 2,909,617, 10-20-59, Cl. 179-100.2.
- Shields, George B., and R. D. Stepp, to Pittsburgh Plate Glass Co. Apparatus for stretching plastic interlayers. 2,873,474, 2-17-59, Cl. 18-1.
- Shields, George E. Adjustable drapery support. 2,894,710, 7-14-59, Cl. 248-265.
- Shields, Wendell H. Vending machine. 2,868,344, 1-13-59, Cl. 194-10.
- Shields, William D.: See—  
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- Shiffett, Elwaine W.: See—  
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- Shiffman, Jerome. Display containers. 2,868,366, 1-13-59, Cl. 206-45.2.
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- Shifrin, Roy. Worm scissors. 2,892,285, 6-30-59, Cl. 43-53.5.
- Shikles, Horace E., Jr., and L. E. Watts. Beverage dispensing apparatus. 2,894,377, 7-14-59, Cl. 62-306.
- Shikoku Kasei Kogyo Co., Ltd.: See—  
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- Shilliday, Theodore S., C. S. Peet, and A. E. Middleton, to United States of America, Air Force. Titanium-dioxide rectifiers. 2,887,633, 5-19-59, Cl. 317-238.
- Shillin, Rudolph. Fish lure. 2,898,700, 8-11-59, Cl. 43-42.29.
- Shillington, Harry R., to Western Electric Co., Inc. Testing circuits. 2,911,590, 11-3-59, Cl. 324-51.
- Shimomura, Kenji. Rotary internal combustion engine. 2,904,019, 9-15-59, Cl. 123-15.
- Shimrat, Moshe. Educational appliance. 2,911,742, 11-10-59, Cl. 35-9.
- Shimwell, Derrick W., to Weaving Research & Textile Commission Agents Ltd. Woven textile fabrics. 2,893,443, 7-7-59, Cl. 139-383.
- Shinagawa Hakurenga Kabushiki Kaisha: See—  
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- Shinai, Francis J.: See—  
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- Shinaver, Lawrence P. Safety cap for trigger guards of firearms. 2,882,636, 4-21-59, Cl. 42-70.
- Shine, Henry J., and R. H. Snyder, to United States Rubber Co. Lower alkanolic esters of cyclic hemi-acetals and their preparation. 2,881,185, 4-7-59, Cl. 260-333.
- Shiner, Edward A., to Union Carbide Corp. Method of making seamless viscose-regenerated cellulose tubing. 2,910,380, 10-27-59, Cl. 117-66.
- Shinkle, Charles F., and J. F. Rafferty, to General American Transportation Corp. Fastener feeding and driving machines. 2,886,076, 5-12-59, Cl. 144-32.
- Shinn, Byron H., to United Aircraft Corp. Stator construction for compressors. 2,885,768, 5-12-59, Cl. 29-156.4.
- Shinn, Henry L. Swiveling electrical connector. 2,898,572, 8-4-59, Cl. 339-8.
- Shinn, Jesse M. Article carrying bracket adapted for attachment to a crutch or the like. 2,912,991, 11-17-59, Cl. 135-47.
- Shinn, Kenneth R., to Domore Chair Co., Inc. Desk construction. 2,915,351, 12-1-59, Cl. 312-195.
- Shiokawa, Shozo. Screw-compressor. 2,896,529, 7-28-59, Cl. 100-290.
- Shionogi & Co., Ltd.: See—  
Kano, Hideo, Nishimura, Nakajima, and Ogata. 2,888,455.
- Shipko, Frederick J.: See—  
Dorfman, Leon M., and Shipko. 2,903,383.
- Shiplet, Francis P., and J. L. Wray. Portable foliage and stalk burner. 2,882,889, 4-21-59, Cl. 126-271.2.
- Shipley, Calvin W., and S. D. McLean, to O. F. Jordan Co. Flow small end wing construction. 2,894,342, 7-14-59, Cl. 37-105.
- Shipley, Calvin W., and W. T. Hart, to O. F. Jordan Co. Structure for swingably supporting and for elevating railroad spreader main wing. 2,906,041, 9-29-59, Cl. 37-105.
- Shipley, Clifford S.: See—  
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- Shipley, Frank F.: See—  
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- Shipley, Guy M. Pipe wiper. 2,880,440, 4-7-59, Cl. 15-210.
- Shipley, Kenneth C.: See—  
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- Shipley, Margaret E. Candle support for flower holders. 2,874,267, 2-17-59, Cl. 240-2.
- Shipman, Archie V. Control for vending machines and the like. 2,916,126, 12-8-59, Cl. 194-55.
- Shipman, Roy W., to Weltronic Co. Electrical timing apparatus. 2,874,281, 2-17-59, Cl. 250-27.
- Shipman, Roy W., to Weltronic Co. Electrical timing apparatus. 2,874,314, 2-17-59, Cl. 307-106.
- Shipman, Roy W., and H. E. Colestock, to Weltronic Co. Power regulating apparatus. 2,874,334, 2-17-59, Cl. 315-230.
- Shipp, Clyde R. Rack for Venetian blinds. 2,908,932, 10-20-59, Cl. 15-268.
- Shipp, Easton H. Gasifier for liquid fuels. 2,897,073, 7-28-59, Cl. 48-103.
- Shippee, Edgar D.: See—  
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- Shipton, E., & Co. Ltd.: See—  
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- Shira, George A.: See—  
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- Shiragami, Osamu: See—  
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- Shire, Ralph J.: See—  
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- Shirk, Joseph. Hook setter for fishing tackle. 2,906,049, 9-29-59, Cl. 43-15.
- Shirk, Robert M., to Houdry Process Corp. Fluid distribution and distributor. 2,892,262, 6-30-59, Cl. 34-57.
- Shirk, Robert M., R. G. Craig, and A. W. Hoge, to Houdry Process Corp. Reactor for hydrocarbon conversions. 2,915,375, 12-1-59, Cl. 23-288.



- Shirley, Chris J. Shoeshine machine. 2,909,793, 10-27-59, Cl. 15-31.
- Shirley, Julian W.: See—  
Reynolds, Linton C., and Shirley. 2,893,315.
- Shirley, Orie W., to Iron Fireman Mfg. Co. Gyroscope. 2,874,577, 2-24-59, Cl. 74-5.1.
- Shirley, William L.: See—  
Waterman, Logan C., and Shirley. 2,872,408.
- Shirn, George A.: See—  
Waterman, Logan C., and Shirley. 2,892,768.
- Shirn, George A.: See—  
Smyth, Donald M., and Shirn. 2,905,740.
- Shiu, Thomas B.: See—  
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- Shiu, Thomas B. Filling machine. 2,875,793, 3-3-59, Cl. 141-186.
- Shiu, Thomas B., 1/4 to N. A. and 1/4 to T. N. Cummings and 1/4 to B. R. Peterson, Jr. Continuous-flow confectionary packaging machine. 2,909,878, 10-27-59, Cl. 53-183.
- Shive, William, and J. M. Ravel. Peptic ulcer-treating compositions containing glutamine. 2,868,693, 1-13-59, Cl. 167-55.
- Shive, William, and C. G. Skinner, Jr. Alkylthiopyrines. 2,875,203, 2-24-59, Cl. 260-252.
- Shivek, Herbert L., to Serv-O-Lift Corp. Dispenser with suspended carrier. 2,919,168, 12-29-59, Cl. 312-71.
- Shively, John J.: See—  
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- Shlachter, Bernard, to Motorola, Inc. Television receiver. 2,884,485, 4-28-59, Cl. 178-5.8.
- Shlank, William I., to W. I. Shlank, M. E. Bailey, A. R. Benenson, and M. H. Bailey. Token for a check-controlled system. 2,918,158, 12-22-59, Cl. 194-4.
- Shlesinger, Bernard E., Jr. Multiple contact switch. 2,874,237, 2-17-59, Cl. 200-4.
- Shmidt, Albert J.: See—  
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- Shmidt, Albert J., to Easo Research and Engineering Co. Phenol extraction of hydrocarbons with alcohol solvent modifier. 2,902,444, 9-1-59, Cl. 208-323.
- Shmorhun, John G., to Sargent & Greenleaf, Inc. File cabinet combination lock. 2,884,778, 5-5-59, Cl. 70-303.
- Shoaf, Floyd R. Apparatus for feeding hosiery onto a receiving member. 2,905,366, 9-22-59, Cl. 223-1.
- Shoaf, Floyd R. Means for stacking hosiery. 2,909,135, 10-20-59, Cl. 112-2.
- Shobert, Erie L. II, to Stackpole Carbon Co. High altitude brush. 2,870,353, 1-20-59, Cl. 310-228.
- Shock, Walter E., E. E. Prather, and E. R. Price, to Bendix Aviation Corp. Automatic braking device. 2,911,264, 11-3-59, Cl. 303-63.
- Shockey, Newton E., and H. W. Wilkins, to Van Dresser Specialty Corp. Control device for wire feed mechanism. 2,882,361, 4-14-59, Cl. 200-61.13.
- Shockey, William H.: See—  
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- Shockey Transistor Corp.: See—  
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- Shockey, William, to Bell Telephone Laboratories, Inc. Method of forming large area PN junctions. 2,868,678, 1-13-59, Cl. 148-1.5.
- Shockey, William, to Bell Telephone Laboratories, Inc. Negative resistance semiconductor device. 2,869,084, 1-13-59, Cl. 333-50.
- Shockey, William. Method for growing junction semi-conductive devices. 2,879,189, 3-24-59, Cl. 148-1.5.
- Shockey, William, to Bell Telephone Laboratories, Inc. Radiant energy control system. 2,884,540, 4-28-59, Cl. 250-200.
- Shockey, William. Semi-conductive material purification method and apparatus. 2,890,139, 6-9-59, Cl. 148-1.
- Shockey, William, to Consolidated Electrodynamics Corp. Transistor switch. 2,891,171, 6-16-59, Cl. 307-88.5.
- Shockey, William, to Shockey Transistor Corp. Shifting register. 2,912,598, 11-10-59, Cl. 307-88.5.
- Shockroo, James E.: See—  
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- Shoelson, Mitchell J.: See—  
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- Wassel, Eugene S., and Shoelson. 2,902,869.
- Shoemaker, Shockley T.: See—  
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- Shoemaker, James C., to Simplex Forms System, Inc. Concrete form locking means. 2,898,659, 8-11-59, Cl. 25-131.
- Shoemaker, Robert C.: See—  
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- Shoemaker, Robert F., R. W. Tucker, and H. P. Kalmus, to United States of America, Army. Circuits for a voltage-sensitive switch. 2,909,122, 10-20-59, Cl. 102-70.2.
- Shoffner, Myron A. Apparatus for converting motion. 2,883,938, 4-28-59, Cl. 103-157.
- Shoffner, Willie M. Root feeder. 2,875,713, 3-3-59, Cl. 111-7.1.
- Shoffner, Willie M., to Roto-Table Co. Rotary file cabinet. 2,902,175, 9-1-59, Cl. 211-144.
- Shoffner, Willie M., to The Fogarty Mfg. Co. Display stand. 2,915,194, 12-1-59, Cl. 211-136.
- Shoglow, Harry, 1/4 to C. Wildey. Lamp harp. 2,895,041, 7-14-59, Cl. 240-148.
- Shohan, Elliot. Irrigation coupling with a removable seal. 2,874,979, 2-24-59, Cl. 285-6.
- Shohan, Elliot. Irrigation valve. 2,889,849, 6-9-59, Cl. 137-322.
- Shohan, Elliot. Valve. 2,898,128, 8-4-59, Cl. 284-17.
- Shokal, Edward C.: See—  
Mecorney, John W., and Shokal. 2,886,493.
- Shokal, Edward C., to Shell Development Co. Process for preparing flexible resins from polyepoxides and resulting products. 2,915,485, 12-1-59, Cl. 260-18.
- Shokal, Edward C., and A. C. Mueller, to Shell Development Co. Polymerization of di-(2,3-epoxypropyl phthalate). 2,895,947, 7-21-59, Cl. 260-78.4.
- Shollenberger, William G. Blade mounting for a tillage tool. 2,893,499, 7-7-59, Cl. 172-740.
- Shontz, Harry W. Outboard motor lift. 2,901,194, 8-25-59, Cl. 248-4.
- Shook, Austen M.: See—  
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- Shook, Austen M., to Texaco Inc. Well treatment. 2,906,338, 9-29-59, Cl. 166-15.
- Shook, William M., to The Warner & Swasey Co. Lifter attachment for material handling and earth moving apparatus. 2,870,926, 1-27-59, Cl. 214-147.
- Shook, William M., to The Warner & Swasey Co. Grapple for material handling and earth moving apparatus. 2,903,294, 9-8-59, Cl. 294-88.
- Shoosmith, Guy T., to Plenty and Son Ltd. Variable capacity pump. 2,895,423, 7-21-59, Cl. 103-120.
- Shooter, Donald J.: See—  
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- Shope, Claude A.: See—  
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- Shore, James B.: See—  
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- Shore, James R.: See—  
Nordmark, Walter E., and Shore. 2,885,719.
- Shore, William S.: See—  
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- Shorette, Louis L.: See—  
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- Shorette, William L.: See—  
Racine, Armand J. 2,896,240.
- Shoreys, Charles: See—  
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- Shorkey, Edward S., to Continental Can Co., Inc. Paint tank and dispensing liner therefor. 2,899,109, 8-11-59, Cl. 222-183.
- Shor-Line Industries, Inc.: See—  
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- Shorr, Morris. Metallic foil food cooking wrapper. 2,902,371, 9-1-59, Cl. 99-171.
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- Short, Brooks H., to General Motors Corp. Vehicle electrical system. Re. 24,715, 10-6-59, Cl. 290-50.
- Short, Brooks H., to General Motors Corp. Control device. 2,895,090, 7-14-59, Cl. 317-188.
- Short, Brooks H., to General Motors Corp. Direction signal system. 2,909,760, 10-20-59, Cl. 340-73.
- Short, Brooks H., L. R. Hetzler, and J. H. Falga, to General Motors Corp. Control device. 2,879,352, 3-24-59, Cl. 200-85.
- Short Brothers & Harland Ltd.: See—  
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- Lundy, Arthur J. 2,890,850.
- Thomas, Eric L., and Paul. 2,918,218.
- Short, Clair A., Jr., W. S. Castle, and D. E. Schnable, to General Motors Corp. Three position actuator cylinder. 2,893,353, 7-7-59, Cl. 121-38.
- Short, Doris M. Sleep inducing device. 2,895,468, 7-21-59, Cl. 128-33.
- Short, Emmett F. Fastening device for loose leaf ledgers. 2,882,908, 4-21-59, Cl. 129-12.
- Short, Franklin W.: See—  
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- Short, Herbert D., to Canada Wire and Cable Co. Ltd. Method of laying armored cables. 2,909,336, 10-20-59, Cl. 242-1.
- Short, Herbert D., to Canada Wire and Cable Co. Ltd. Joints in armored cable. 2,913,514, 11-17-59, Cl. 174-90.
- Short, Herbert M., to Aluminum Co. of America. Tube supporting means for fluidized heat exchange apparatus. 2,876,975, 3-10-59, Cl. 248-58.
- Short, James N., to Phillips Petroleum Co. Phosphonic dihalides. 2,871,263, 1-27-59, Cl. 260-543.
- Short, John F., to The Distillers Co. Ltd. Electrical conductors. 2,907,923, 10-6-59, Cl. 317-2.
- Short, Oliver A.: See—  
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- Short, Philip J., to S.S.S. Gears Ltd. Clutches for transmitting rotary motion. 2,913,084, 11-17-59, Cl. 192-67.
- Short, R. Stanford: See—  
Hitt, Otis D., and Short. 2,881,589.
- Short, R. Stanford, to The Aero Equipment Corp. Impact wrench. 2,881,885, 4-14-59, Cl. 192-30.5.
- Shortland, Arthur. Instrument beds for knitting machines. 2,873,595, 2-17-59, Cl. 66-115.
- Shortland, Arthur. Automatic lubricating arrangements for machines and mechanisms. 2,882,705, 4-21-59, Cl. 66-19.
- Shortland, Arthur. Yarn or thread supplying means for knitting machines. 2,893,228, 7-7-59, Cl. 66-140.

- Shortland, Arthur. Yarn feeding means for knitting machines. 2,917,914, 12-22-59, Cl. 66-132.
- Shosted, Kenneth F. Universal spotlight mechanism. 2,901,596, 8-25-59, Cl. 240-61.13.
- Shotsky, Nathan, 1/4 to H. Zauderer, 1/4 to B. Zauderer, and 1/4 to D. H. Turkel. Multiple needle automatic quilting machine. 2,895,438, 7-21-59, Cl. 112-164.
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- Shoumatoff, Nicholas, to West Virginia Pulp and Paper Co. Apparatus for drying web material. 2,896,336, 7-28-59, Cl. 34-86.
- Shoup, Edgar C., Jr., and R. W. Dixon, to United Aircraft Corp. Turbine bearing support. 2,869,941, 1-20-59, Cl. 308-184.
- Shoup, Ransom F., to The Shoup Voting Machine Corp. Adjustable strap for voting machine. 2,876,028, 3-3-59, Cl. 287-58.
- Shoup, Thomas E., to Gregory Industries, Inc. Method of making a heat exchanger. 2,873,354, 2-10-59, Cl. 219-104.
- Shoup, Thomas E., and L. J. Mowry, to Gregory Industries, Inc. Welding stud and ferrule arrangement. 2,878,363, 3-17-59, Cl. 219-99.
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- Shovlain, Larry E.: See—  
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- Shovlain, Ray A., 50% to L. E. Shovlain. Adjustable chaffer and sieve. 2,883,052, 4-21-59, Cl. 209-394.
- Showalter, Frank W., to The American Envelope Co. Adhesive applying device. 2,912,959, 11-17-59, Cl. 118-5.
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- Shrader, Merrill B., to Radio Corp. of America. Electron tube. 2,869,069, 1-13-59, Cl. 313-39.
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- Shrode, Wilford E., to Brasco Mfg. Co. Window wall section. 2,882,561, 4-21-59, Cl. 20-56.4.
- Shrom, Harry. Clasp hanger for garments. 2,872,089, 2-3-59, Cl. 223-93.
- Shrom, Harry. Garment hanger. 2,891,707, 6-23-59, Cl. 223-93.
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- Shull, Gilbert M., to Chas. Pfizer & Co. Preparation of  $\Delta^4$ -steroid compounds by protaminobacter. 2,876,171, 3-3-59, Cl. 195-51.
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- Shull, Gilbert M., to Chas. Pfizer & Co., Inc. Production of prednisolone by sequential fermentations. 2,908,016, 10-13-59, Cl. 195-51.
- Shull, Gilbert M., and J. B. Routien, to Chas. Pfizer & Co., Inc. Process for the production of 17 $\beta$ -hydroxysteroids by neocosmospora. 2,872,380, 2-3-59, Cl. 195-51.
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- Shull, Peter O., to General Aniline & Film Corp. Stabilized phenylene diamines. 2,894,034, 7-7-59, Cl. 260-578.
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- Sichak, William, to International Telephone and Telegraph Corp. Directional antenna systems. 2,895,134, 7-14-59, Cl. 343-772.
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- Sidebotham, Melvin H., Sr., G. L., and M. H., Jr. 2,898,824.
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- Silverberg, Thomas R., to United States of America, Air Force. Precision linkage for exact multiplication. 2,910,227, 10-27-59, Cl. 235-61.
- Silverman, Abraham. Staple. 2,885,168, 5-5-59, Cl. 248-71.
- Silverman, Daniel: See—  
Eisler, Joseph D., Hadley, and Silverman. 2,877,080.
- Eisler, Joseph D., Hadley, and Silverman. 2,881,044.
- Silverman, Daniel. Flue control devices adapted for combustion heaters. 2,878,744, 3-24-59, Cl. 98-66.
- Silverman, Daniel, and R. E. Fearon, to Pan American Petroleum Corp. Seismic surveying. 2,889,000, 6-2-59, Cl. 181-5.
- Silverman, Emanuel. Trailer antenna rotor and mount. 2,869,813, 1-20-59, Cl. 248-45.
- Silverman, Herbert B. L.: See—  
Walker, John E. 2,883,945.
- Silverman, Isadore: See—  
Tragge, Oliver H. 2,891,429.
- Silverman, Jacob. Pressing machine. 2,917,211, 12-15-59, Cl. 223-2.
- Silverman, Jerome H.: See—  
Hambor, Valentine, Shafranek, and Silverman. 2,909,713.
- Silverman, Leslie, to Research-Cottrell, Inc. Gas treating device. 2,913,232, 11-17-59, Cl. 261-40.
- Silverman, Leslie, to Research-Cottrell, Inc. Centrifugal separator. 2,918,139, 12-22-59, Cl. 183-81.
- Silverman, Lew C.: See—  
Mullen, Melvin Z. 2,869,286.
- Silverman, Marvin T.: See—  
Jaffe, Benjamin, and Silverman. 2,918,371.
- Silverman, Milton B.: See—  
Levin, Jack J. 2,877,477.
- Silverman, Sebeto, to The Nurte Companies, Inc. Securing device for mirrors and the like. 2,876,972, 3-10-59, Cl. 248-28.
- Silvernall, Lloyd H.: See—  
Rigterink, Raymond H., Miller, and Silvernall. 2,885,306.
- Rigterink, Raymond H., Miller, and Silvernall. 2,885,307.
- Silver Seal Products Co.: See—  
Havens, Elwood L. 2,868,188.
- Silversher, Herman I.: See—  
Barnes, James F., Rebholz, and Silversher. 2,910,094.
- Barnes, James F., and Silversher. 2,900,881.
- Barnes, James F., and Silversher. 2,914,091.
- Silverstein, Robert M.: See—  
Nutting, Lee, Silverstein, and Himel. 2,905,701.
- Silver Streak Mfg. Co.: See—  
Osterhaus, Leo A. 2,884,082.
- Silverston, Barnett, to Tippetts-Abbott-McCarthy-Stratton. Hose handling structure for transferring fluid material between ship and shore. 2,914,080, 11-24-59, Cl. 137-236.
- Silvestri, Giuliana: See—  
Muench, Werner, Rnotti, and Silvestri. 2,904,579.
- Silvey, Gene A., and V. J. Lyons, to International Business Machines Corp. Method of fabricating germanium bodies. 2,898,248, 8-4-59, Cl. 148-1.5.
- Silvis, Salvatore J.: See—  
Carpenter, Clifford L., and Silvis. 2,879,839.
- Sim, Gordon, to Teletype Corp. Flexible coupling. 2,885,869, 5-12-59, Cl. 64-10.
- Sima, George A. Self releasing collet. 2,885,210, 5-5-59, Cl. 279-49.
- Sima, George A. Collet. 2,885,211, 5-5-59, Cl. 279-59.
- Simanek, Edward J., to American Steel Foundries. Brake release means. 2,907,413, 10-6-59, Cl. 188-74.
- Simas, Charles P. Combination drilling and sawing device. 2,918,955, 12-29-59, Cl. 145-130.
- Simco, Inc.: See—  
Hauri, Vernon E. 2,917,537.
- Simcock, William H., to Orenda Engines Ltd. Venting apparatus for use with an invertible tank. 2,889,843, 6-9-59, Cl. 137-43.
- Simcoe, William H., and M. R. Vennett, to United States Steel Corp. Reversible universal stranding and laying machine. 2,897,646, 8-4-59, Cl. 57-58.3.
- Simcone, Anthony B., and R. A. Adjustable gun sights. 2,881,524, 4-14-59, Cl. 33-56.
- Simcone, Robert A.: See—  
Simcone, Anthony B., and R. A. 2,881,524.
- Simer, Samuel B., to General Electric Co. Button forming machine. 2,876,591, 3-10-59, Cl. 49-7.
- Simer, Samuel B., to General Electric Co. Method of forming buttons on glass rods. 2,876,597, 3-10-59, Cl. 49-84.
- Simer, Samuel B., to General Electric Co. Article feeding apparatus. 2,904,162, 9-15-59, Cl. 198-33.
- Simes, Lewis E., II.: See—  
Schaff, Willard A., and Simes. 2,869,633.
- Siminoff, Paul, to S. B. Penick & Co., Inc. Candididin purification. 2,872,373, 2-3-59, Cl. 167-65.
- Siminow, Benjamin. Thermally insulated articles. 2,878,481, 3-24-59, Cl. 2-243.
- Simjian, Luther G., to The Reflectone Corp. Treating or polishing apparatus. 2,880,554, 4-7-59, Cl. 51-7.
- Simjian, Luther G., to The Reflectone Corp. Apparatus for treating articles. 2,880,663, 4-7-59, Cl. 99-254.
- Simjian, Luther G., to The Reflectone Corp. Method of treating food articles by application of sound energy. 2,881,079, 4-7-59, Cl. 99-217.
- Simjian, Luther G., to The Reflectone Corp. Method of tenderizing articles of food. 2,881,080, 4-7-59, Cl. 99-217.
- Simjian, Luther G., to The Reflectone Corp. Polishing apparatus. 2,883,809, 4-28-59, Cl. 51-281.
- Simjian, Luther G., to The Reflectone Corp. Golf game apparatus. 2,894,750, 7-14-59, Cl. 273-181.
- Simjian, Luther G., to The Reflectone Corp. Golf game. 2,894,751, 7-14-59, Cl. 273-185.
- Simjian, Luther G., to The Reflectone Corp. Golf practice device. 2,894,752, 7-14-59, Cl. 273-185.
- Simjian, Luther G., to The Reflectone Corp. Indicator for golf practice. 2,894,753, 7-14-59, Cl. 273-185.
- Simjian, Luther G., to The Reflectone Corp. Golf trainer. 2,894,754, 7-14-59, Cl. 273-185.
- Simjian, Luther G., to The Reflectone Corp. Chair with moving seat and mirror. 2,897,727, 8-4-59, Cl. 88-97.
- Simjian, Luther G., to Reflectone Electronics, Inc. Apparatus for treating food. 2,902,712, 9-8-59, Cl. 17-25.
- Simjian, Luther G., to Reflectone Electronics, Inc. Inventory system. 2,902,767, 9-8-59, Cl. 33-129.
- Simjian, Luther G. Vending machine combined with camera means. 2,909,107, 10-20-59, Cl. 95-1.1.
- Simjian, Luther G. Abrading device. 2,912,803, 11-17-59, Cl. 51-281.
- Simjian, Luther G. Method for polishing articles. 2,912,804, 11-17-59, Cl. 51-281.
- Simkin, Donald J., to Shell Development Co. 2,881,920, 4-14-59, Cl. 210-114.
- Simkins, Daniel, to Continental Can Co., Inc. Pouring device for bulk containers. 2,894,661, 7-14-59, Cl. 222-176.
- Simkins, Quinton W., to Bell Telephone Laboratories, Inc. Pulse counting device. 2,869,034, 1-13-59, Cl. 315-84.5.
- Simkins, Quinton W., to Bell Telephone Laboratories, Inc. Magnetic core current regulating circuit. 2,882,482, 4-14-59, Cl. 323-7.
- Simkins, Quinton W., to Bell Telephone Laboratories, Inc. Transistor current limiter. 2,909,677, 10-20-59, Cl. 307-88.5.
- Simko, Frank A., Jr., and C. B. Thompson, to E. I. du Pont de Nemours and Co. Composition. 2,910,374, 10-27-59, Cl. 106-285.
- Simm, Clarke N.: See—  
De Priester, Coral L., and Simm. 2,887,160.
- Simmonds Aerocessories Ltd.: See—  
Brooking, Rowland A. 2,889,702.
- Simmonds, Arlie J.: See—  
Simmonds, Wayne W. 2,903,948.
- Simmonds, Wayne W. 2,903,949.
- Simmonds, Wayne W., and A. J. 2,867,411.
- Simmonds, Edwin C., to B.A.M. Patentes Ltd. Butter spreading machines. 2,885,996, 5-12-59, Cl. 118-18.
- Simmonds, Francis L. Exhaust system. 2,874,627, 2-24-59, Cl. 98-115.
- Simmonds, Henry, to The English Electric Co. Ltd. Cartridge fuse links. 2,898,425, 8-4-59, Cl. 200-131.
- Simmonds, Melvin, to American Medical Products Corp. Plastic syringe plunger. 2,902,034, 9-1-59, Cl. 128-218.
- Simmonds, Wayne W., to J. H. Lucas as trustee. Apparatus for pulling and racking tubing in vertical position. 2,867,338, 1-6-59, Cl. 214-2.5.
- Simmonds, Wayne W., to J. H. Lucas, trustee for W. W. and A. J. Simmonds. Multiple ram compactor. 2,903,948, 9-15-59, Cl. 94-49.



Simmonds, Wayne W., to J. H. Lucas, trustee for W. W. and A. J. Simmonds. Helve action telescoping boom compactor. 2,903,949, 9-15-59, Cl. 94-49.

Simmonds, Wayne W. and A. J. to J. H. Lucas, trustee for W. W. and A. J. Simmonds. Weight control unit for rotary drilling rigs. 2,867,411, 1-6-59, Cl. 254-173.

Simmons, Aldred J., and A. J. Barta, to Plymouth Industrial Products, Inc. Multiple duct sleeve. 2,890,899, 6-16-59, Cl. 285-18.

Simmons, Aldred J., and A. O. Sohn, to Plymouth Industrial Products, Inc. Apparatus for sorting balls from clusters. 2,909,282, 10-20-59, Cl. 209-75.

Simmons, Arthur B., to United States of America, Air Force. Spring mounted focusing device. 2,893,717, 7-7-59, Cl. 267-1.

Simmons, Ballard. Lock wheel mechanic's creeper. 2,879,865, 3-31-59, Cl. 188-69.

Simmons, Bill J.: See—  
Reinecke, Marvin E., and Simmons. 2,907,339.

Simmons, Bill J., to Phillips Petroleum Co., Reflection refractometer. 2,885,923, 5-12-59, Cl. 89-14.

Simmons, Cecil E. Shock-absorbing trailer hitch. 2,878,036, 3-17-59, Cl. 280-485.

Simmons, Charles A., Sr., to Simmons Industries, Inc. Automobile lift. 2,915,143, 12-1-59, Cl. 187-8.41.

Simmons, Charles C., to Ransburg-Electro-Coating Corp. Electrostatic method and apparatus for spray coating of articles. Re. 24,602, 2-17-59, Cl. 117-93.

Simmons, Charles D., to Philco Corp. Wave generator. 2,899,601, 8-11-59, Cl. 315-27.

Simmons, Clarence C. Splash guard. 2,902,103, 9-1-59, Cl. 180-69.1.

Simmons Co.: See—  
Petersen, John S., and Blecker. 2,869,619.  
Petersen, John S., and Blecker. 2,869,622.  
Seavert, Howard H. 2,869,492.  
Seavert, Howard H. 2,869,493.

Simmons, Dorsey D.: See—  
Dahlman, Per O., and Simmons. 2,904,634.

Simmons, Edward C., to General Motors Corp. Defrosting arrangement for refrigerating system. 2,867,093, 1-6-59, Cl. 62-152.

Simmons, Edward G., to Tecalemit Ltd. Lubricating apparatus. 2,886,134, 5-12-59, Cl. 184-15.

Simmons, Ernest P. Shotgun chamber with cutting edge. 2,869,270, 1-20-59, Cl. 42-76.

Simmons, George S., Jr., and R. G. Turner, to Crompton & Knowles Corp. Mounting for picker stick. 2,907,354, 10-6-59, Cl. 139-156.

Simmons, Harold T.: See—  
Smith, Charles S., and Simmons. 2,916,923.

Simmons, Henry T. Cop bobbin and cop grip holder for a weavers shuttle. 2,914,095, 11-24-59, Cl. 139-198.

Simmons, Howard E., Jr., to E. I. du Pont de Nemours and Co. Cyclic esters disubstituted with certain fluoro-substituted radicals. 2,911,414, 11-3-59, Cl. 260-327.

Simmons Industries, Inc.: See—  
Simmons, Charles A., Sr. 2,915,143.

Simmons, James R. Sofa-bunk bed. 2,891,255, 6-23-59, Cl. 5-9.

Simmons, Jesse T. Hydraulic valve-lifter tool. 2,889,616, 6-9-59, Cl. 29-213.

Simmons, Jesse T. Hydraulic valve-lifter testing device. 2,910,864, 11-3-59, Cl. 73-119.

Simmons, Lovel R. Weight-transferring hitch for four-wheel drive tractors. 2,899,004, 8-11-59, Cl. 180-14.

Simmons, Milton E.: See—  
Fensterwalder, Carl J., Simmons, and Terkoski. 2,883,183.

Simmons, Morton A. Aircraft carrier construction for hydro-aki seaplanes. 2,912,952, 11-17-59, Cl. 114-43.5.

Simmons, Robert W., to Eastman Kodak Co. Mounting for magnetic head. 2,912,519, 11-10-59, Cl. 179-100.2.

Simmons, Russell H. Speed responsive power transmission. 2,891,420, 6-23-59, Cl. 74-752.

Simmons, Russell T.: See—  
Landuyt, John F., and Simmons. 2,883,599.

Simmons, Vaughan P., to W. H. Brady Co. Divided label-lift. 2,906,397, 9-29-59, Cl. 206-56.

Simmons, Walter J. Supply holder for rolled material. 2,905,404, 9-22-59, Cl. 242-55.2.

Simmons, William T. Carrier device for dairy products and the like. 2,877,736, 3-17-59, Cl. 116-135.

Simms, Charles H.: See—  
Breadner, Robert L., and Simms. 2,886,920.

Simms, Harold A., to North American Aviation, Inc. Metal honeycomb expansion. 2,898,815, 8-11-59, Cl. 93-1.

Simon, Aaron. Invalid's wheelchair. 2,874,756, 2-24-59, Cl. 155-171.

Simon, Andrew, to The American Monorail Co. Station pre-selector for traveling conveyor. 2,898,868, 8-11-59, Cl. 104-88.

Simon, Andrew, to The American Monorail Co. Material handling system. 2,902,945, 9-8-59, Cl. 104-88.

Simon-Carves Ltd.: See—  
Hiby, Julius W. and F. K. 2,873,231.

Simon, Dick S.: See—  
Bostock, James H., and Simon. 2,884,073.

Simon, Eli: See—  
Hamilton, William F., and Simon. 2,892,761.

Simon, Eli, and F. W. Thomas, to Lockheed Aircraft Corp. Flexible resilient cellular polyurethane resin products. 2,894,919, 7-14-59, Cl. 260-2.5.

Simon, Eli, and F. W. Thomas, to Lockheed Aircraft Corp. Packaging methods. 2,897,641, 8-4-59, Cl. 53-3.

Simon, Frank. Trousers hanger. 2,900,118, 8-18-59, Cl. 223-96.

Simon, Franz, and W. Grohmann, to Siemens & Halske Akt. Controlling the extension of calls in P. B. X telephone system. 2,871,307, 3-10-59, Cl. 179-23.

Simon, Henry Ltd.: See—  
Allen, Robert W., and Taylor. 2,868,590.  
Ball, John S. 2,891,685.  
Hallworth, Robert. 2,898,157.

Simon, Irvin C.: See—  
Keller, Arthur P., Jr., and Simon. 2,901,935.

Simon, James E. Self trimming transfer mold. 2,913,767, 11-24-59, Cl. 18-42.

Simon, Jean-Claude, and G. Weill, to Compagnie Generale de Telegraphie Sans Fil. Omnidirectional aerials. 2,885,675, 5-5-59, Cl. 343-755.

Simon, John. Alarm-timepiece. 2,873,573, 2-17-59, Cl. 58-57.5.

Simon, John R.: See—  
Bremer, Robert D., and Simon. 2,910,570.

Simon, Lester E.: See—  
Jaxthelmer, Don C., Cahill, and Simon. 2,884,945.

Simon, Mary B.: See—  
Blatz, Peter A. 2,909,008.

Simon, Mathias J. Bushing. 2,869,412, 1-20-59, Cl. 82-44.

Simon, Morris, and J. R. Wagner, to United States of America, Army. Process for retarding non-enzymatic browning of potatoes. 2,893,578, 7-7-59, Cl. 99-207.

Simon, Myron S.: See—  
Cohler, Marilyn R., and Simond. 2,892,710.

Simon, Peter C. Adjustable center punching jig for 3 hole hinges. 2,889,633, 6-9-59, Cl. 33-189.

Simon, Sidney. Take-apart kitchen range hood. 2,898,840, 8-11-59, Cl. 98-115.

Simon, Sidney. Shelf hardware. 2,906,467, 9-29-59, Cl. 248-248.

Simon, Sidney L., to United States of America, Atomic Energy Commission. Loading machine for reactors. 2,893,575, 7-7-59, Cl. 214-18.

Simon, Valentine. Novelty display device. 2,911,745, 11-10-59, Cl. 40-106.22.

Simond-Cote, Paul: See—  
Ernyel, Herbert, and Simond-Cote. 2,908,753.

Simonds Abrasive Co.: See—  
Suga, Arthur M. 2,897,076.  
Suga, Arthur M. 2,916,368.

Simonds, Clarence S.: See—  
Bell, Robert E., and Simonds. 2,889,546.

Simonds Saw and Steel Co.: See—  
Beckner, Donald O., and Mercier. 2,897,692.  
Kolesh, Victor A. 2,880,768.

Simone, Guy A. Door-mounted automobile protector. 2,881,468, 4-14-59, Cl. 16-86.

Simonelli, Joseph: See—  
Pettigrew, David D., and Simonelli. 2,887,924.

Simonet, Guy: See—  
Spondlin, Rodolphe, Stouls, Bonnaud, and Simonet. 2,917,902.

Simons, Allison K., A. O. Radke, and J. A. Champa, to Hickman Industries, Inc. Resilient seat structure. 2,875,810, 3-3-59, Cl. 155-50.

Simons, Allison K., A. O. Radke, and A. F. Hickman, to Hickman Industries, Inc. Seat structure for farm tractors and the like. 2,894,563, 7-14-59, Cl. 155-51.

Simons, Donald M.: See—  
Arnold, Robert G., and Simons. 2,902,474.

Simons, Donald M., to E. I. du Pont de Nemours and Co. Polyurethane diamines. 2,888,439, 5-26-59, Cl. 260-77.5.

Simons, Hendrik, to North American Phillips Co., Inc. Band-pass filter. 2,890,423, 6-9-59, Cl. 333-78.

Simons, Henry H.: See—  
Wasserman, Rene D., and Simons. 2,914,435.

Simons, Jesse T.: See—  
Hetzl, Wayne D., and Simons. 2,915,000.

Simons, Langdon S., Jr.: See—  
Schladermundt, Peter, Dennerlein, and Simons. 2,889,039.

Simons, Lawrence E., 49% to P. G. Herman. Combined container and dispenser. 2,879,931, 3-31-59, Cl. 225-25.

Simons, Malcolm: See—  
Rommel, Frederick E., and Simons. 2,867,735.

Simons, William B., Jr., and E. M. Seagrave, Jr., to Tube Masters, Inc. Tensioning device. 2,888,216, 5-26-59, Cl. 242-45.

Simons, William R., to Smiths America Corp. Gyroscope caging device. 2,884,787, 5-5-59, Cl. 74-5.1.

Simons, William R., to Smiths America Corp. Gyroscope caging device. 2,895,338, 7-21-59, Cl. 74-5.1.

Simonsen, Edward H., to Simonsen Metal Products Co. Tool cabinet. 2,893,749, 7-7-59, Cl. 280-47.19.

Simonsen Metal Products Co.: See—  
Simonsen, Edward H. 2,893,749.

Simonton, Marvin E., and J. O. Yelzer, to B. R. Katshen. Method and apparatus for controlling production machines. 2,913,581, 11-17-59, Cl. 250-83.6.

Simor, George G.: See—  
Orsten, Leo A., and Simor. 2,899,542.

Simos, Anthony. Audio frequency controlled fountain. 2,868,055, 1-13-59, Cl. 84-464.

Simpelaar, Clyde S., to Modine Mfg. Co. Damper construction. 2,899,171, 8-11-59, Cl. 251-188.

Simplan Corp. of America: See—  
Hopp, Robert E. 2,909,221.

Simplex Equipment Corp.: See—  
MacFarlane, Roderick T., Abrams, and Passman. 2,917,581.

Simplex Forms System, Inc.: See—  
Shoemaker, James C. 2,898,659.

Simplex Industrial Products, Inc.: See—  
Gerber, Harry. Re. 24,672.

Simplex Time Recorder Co.: See—  
Blouin, Maurice A. 2,900,787.

Simplex Valve and Meter Co.: See—  
Borden, Moro M. 2,876,789.  
Welch, Clyde L. 2,907,460.

Simplicity Engineering Co.: See—  
Behnke, George W., and Westcott. 2,918,926.

Simplicity Mfg. Co.: See—  
Kamlukin, Igor. 2,880,034.  
Kamlukin, Igor. 2,903,077.

Simpson, Amos W., Jr., to General Electric Co. Electric circuit breaker. 2,901,579, 8-25-59, Cl. 200-147.

Simpson, Anthony W., to The Plessey Co. Ltd. Storage devices. 2,870,433, 1-20-59, Cl. 340-174.

Simpson, Arthur A., and H. H. Denmark. Refrigerator for use in connection with engines utilizing volatile fuel. 2,872,790, 2-10-59, Cl. 62-7.

Simpson, Arthur P., to American Machine & Foundry Co. Self leveling, storing and dispensing apparatus. 2,886,391, 5-12-59, Cl. 312-71.

Simpson, Clarence, to United States of America, Air Force. Trace identifier for oscilloscopes. 2,906,917, 9-29-59, Cl. 315-13.

Simpson, Clarence E., to United States of America, Army. Closed and open fire control mechanism. 2,872,849, 2-10-59, Cl. 89-140.

Simpson, David M. Tool holder. 2,917,958, 12-22-59, Cl. 82-36.

Simpson, Edgar A.: See—  
Ahlberg, Jacob E., and Simpson. 2,900,348.

Simpson, Frank E., to Food Machinery and Chemical Corp. Stacking machine. 2,892,631, 6-30-59, Cl. 271-87.

Simpson, Frank R., to Owens-Corning Fiberglass Corp. Closure operating device. 2,884,159, 4-28-59, Cl. 220-57.

Simpson, Frank R., to United States of America, Army. Pre-engraved projectiles and gun for firing same. 2,880,625, 6-16-59, Cl. 89-34.

Simpson, Frank R., to United States of America, Army. Pre-engraved projectiles and gun for firing same. 2,892,408, 6-30-59, Cl. 102-38.

Simpson, Fred S.: See—  
Standifer, Lafayette B., Jr., and Simpson. 2,872,237.

Simpson, Frederick A.: See—  
Spicer, Harold E., Crosby, and Simpson. 2,894,689.

Simpson, Harold G., and N. W. Rimmer, to Butler Mfg. Co. Low pitch rigid frame building. 2,871,997, 2-3-59, Cl. 189-1.

Simpson, Henry A. Cutting device. 2,904,118, 9-15-59, Cl. 172-599.

Simpson, Howard W., 1/4 to General Motors Corp. Planetary transmission for self-propelled vehicle. Re. 24,619, 3-10-59, Cl. 74-761.

Simpson, Howard W. Planetary transmission for self-propelled vehicles. 2,873,621, 2-17-59, Cl. 74-677.

Simpson, Howard W. Six speed transmission. 2,873,623, 2-17-59, Cl. 74-759.

Simpson, Howard W. Planetary transmission. 2,873,624, 2-17-59, Cl. 74-759.

Simpson, Howard W. Planetary transmission for self-propelled vehicles. 2,873,625, 2-17-59, Cl. 74-763.

Simpson, Howard W., 1/4 to General Motors Corp. Planetary transmission. 2,914,967, 12-1-59, Cl. 74-759.

Simpson, Herbert, Corp.: See—  
McIlvaine, Robert L. 2,916,267.

Simpson, Jack N., to The Electric Storage Battery Co. Adjustable goggle mounting. 2,876,454, 8-10-59, Cl. 2-14.

Simpson, Jack N., and C. J. Boyer, to The Electric Storage Battery Co. Miner's lamp bracket. 2,895,137, 7-21-59, Cl. 2-3.

Simpson, Jean E. Combination straw chopping and spreading apparatus. 2,886,331, 5-12-59, Cl. 275-3.

Simpson, John A., to Vulcan Trailers Mfg. Co., Inc. Trailer having removable support means. 2,904,340, 9-15-59, Cl. 280-2.

Simpson, John M., and H. E. Carnagua, to Borg-Warner Corp. Automatic transmission and control system therefor. 2,911,856, 11-10-59, Cl. 74-740.

Simpson, Justin, to Continental Can Co., Inc. Overload release drive and inching means. 2,900,842, 8-25-59, Cl. 74-625.

Simpson, Justin, to Continental Can Co., Inc. Motor mounting means. 2,901,195, 8-25-59, Cl. 248-16.

Simpson, Justin, J. J. Seanello, and E. T. Bengtson, to Continental Can Co., Inc. Slack filled can detecting and ejecting apparatus. 2,907,457, 10-6-59, Cl. 209-74.

Simpson, Kenneth P. Shoe lace clasp. 2,877,526, 3-17-59, Cl. 24-120.

Simpson, Robert M., to Columbian-General Blacks Ltd. Methods of and apparatus for separating or classifying materials. 2,874,840, 2-24-59, Cl. 209-250.

Simpson, Robert V.: See—  
Furman, Frank J., Moneagle, and Simpson. 2,907,270.  
Furman, Frank J., Moneagle, and Simpson. 2,909,994.

Simpson, Warren C., to Shell Development Co. Composition comprising aromatic petroleum residue and polyepoxide and process for treating surfaces therewith. 2,906,720, 9-29-59, Cl. 260-28.

Simpson, Warren C., to Shell Development Co. Combustion process. 2,913,043, 11-17-59, Cl. 158-117.5.

Sims, Calvin A.: See—  
Gortner, John N., and Sims. 2,887,529.

Sims, Don C. Spoon and fork rest for kitchen utensils. 2,900,151, 8-18-59, Cl. 248-37.3.

Sims, Everett E., P. P. Konyha, and L. N. Petersen, to Caterpillar Tractor Co. Single lever control for engine starting mechanism. 2,900,970, 8-25-59, Cl. 123-179.

Sims, Fred P.: See—  
Cuorato, John J., and Sims. 2,912,533.

Sims, Homer J.: See—  
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Sims, James S., Jr., and T. P. Farkas, to United Aircraft Corp. Cabin temperature control system. 2,917,288, 12-15-59, Cl. 257-276.

Sims, John C., Jr., to Sperry Rand Corp. Magnetic core resetting devices. 2,892,970, 6-30-59, Cl. 317-123.

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Eck, Robert N., and Simon. 2,870,392.

Sina Viscosa Società Nazionale Industria: See—  
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Saccardo, Pietro. 2,902,343.

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Sinclair, John G., Jr., to Hughes Aircraft Co. Electrical delay lines. 2,894,223, 7-7-59, Cl. 333-31.

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Sidoroff, Abraham. 2,877,771.

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Bowman, Donald C. 2,911,638.  
Jacobson, Rolyn P. 2,915,220.  
Johnson, James F. 2,894,245.



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 Pelzer, Harry L., and Carr. 2,877,847.  
 Perry, Robert O. 2,885,004.  
 Szasz, Stefan E. 2,894,200.  
 Westphal, James A. 2,896,073.  
 Westphal, James A. 2,906,198.  
 Westphal, James A. 2,914,854.  
 Sinclair Refining Co.: See—  
 Beck, Paul W. 2,883,338.  
 Campbell, Oliver, and Pennells. 2,898,892.  
 Case, Everett N. 2,885,367.  
 Case, Everett N. 2,895,974.  
 Case, Everett N. 2,891,009.  
 Chamberlin, Francis E. 2,915,468.  
 Chambers, Robert R., Elkins, and Monagle. 2,899,419.  
 Chambers, Robert R., and Foster. 2,885,445.  
 Clouse, Easton R., and Woerner. 2,878,162.  
 Cross, Carl F. 2,914,467.  
 Dorinson, Amos. 2,898,331.  
 Erickson, Henry. 2,872,410.  
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 Erickson, Henry. 2,897,161.  
 Erickson, Henry. 2,915,478.  
 Friedman, Bernard S. 2,874,186.  
 Friedman, Bernard S. 2,908,630.  
 Francisco, Cecil J., and Schultz. 2,871,186.  
 Hudson, Charles N. 2,917,375.  
 Keith, Carl D. 2,894,915.  
 Keith, Carl D. 2,898,307.  
 Keith, Carl D. 2,908,655.  
 Keith, Willis C. 2,873,301.  
 Keith, Willis C. 2,911,437.  
 Kjonas, Manley, and Brown. 2,881,206.  
 Kleinholz, Milton P. 2,898,286.  
 Lederle, Henry F., and Elkins. 2,892,868.  
 Lindberg, Ramon I. 2,882,227.  
 Loring, Lewis D., Jr. 2,915,469.  
 McCormick, Martin M. 2,915,467.  
 Melik, John S., and Ries. 2,871,195.  
 Mitchell, George R. 2,911,843.  
 Moyer, Hallard C. 2,903,408.  
 Nelson, John W. 2,886,465.  
 Nelson, John W., and Kleinholz. 2,899,388.  
 Nelson, John W., and Verdol. 2,868,729.  
 Patinkin, Seymour H., and Sanford. 2,867,674.  
 Patinkin, Seymour H., and Sanford. 2,915,568.  
 Rausch, Maurice K. 2,914,471.  
 Rogak, Earl D. 2,911,796.  
 Sanford, Robert A. 2,874,200.  
 Sanford, Robert A., and Kovach. 2,916,529.  
 Schrum, Robert W. 2,881,140.  
 Smith, Kenneth A. 2,884,314.  
 Snider, Francis M. 2,882,226.  
 Stewart, Warren E. 2,901,330.  
 Teter, John W. 2,898,387.  
 Teter, John W., Gring, and Erickson. 2,898,305.  
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 Verley, Guy M. 2,916,448.  
 Vierk, Ernest R., and Karr. 2,916,449.  
 Vierk, Ernest R., and Smollett. 2,912,384.  
 Walker, Russell W. 2,914,582.  
 Walker, Russell W. 2,914,583.  
 Walker, Russell W. 2,914,586.  
 Wunderlich, Donald K. 2,867,676.  
 Zweifel, Henry C., Voss, and Gower. 2,898,298.  
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 Vlasic, John G. 2,893,391.  
 Sinclair, Richard L. Vehicle parking control means. 2,913,906, 11-24-59, Cl. 74-2.  
 Sinclair, Robert L., to The Gillette Co. Display rack. 2,888,223, 5-26-59, Cl. 248-198.  
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 Sindel, Johann, R. Huber, and O. Zottmann, to Pertrix-Union G.m.b.H. Primary dry cell. 2,903,498, 9-8-59, Cl. 136-95.  
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Singelmann, Willi. Electric cooking stoves. 2,912,560, 11-10-59, Cl. 219-37.  
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 Schwechten, Heinz W., Singer, and Bayer. 2,900,216.  
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 Batson, William A. 2,883,249.  
 Cook, Albert N. 2,905,274.  
 Dunn, Earl F. 2,882,850.  
 Dunn, Earl F. 2,899,920.  
 Edwards, William J. 2,882,849.  
 Enos, John P. 2,877,728.  
 Enos, John P. 2,910,025.  
 Fuge, Harry B. 2,883,611.  
 Fuge, Harry B. 2,896,140.  
 Furman, Frank J., and Simpson. 2,889,770.  
 Gall, Francis A., and Danforth. 2,871,504.  
 Gall, Francis A., and Krzeslewski. 2,892,511.  
 Gardner, August M. 2,880,685.  
 Gegauf, Fritz. 2,877,726.  
 Goosman, Herbert J. 2,906,223.  
 Graesser, David A. 2,877,727.  
 Hacklander, Hans. 2,884,884.  
 Hacklander, Hans. 2,891,494.  
 Hacklander, Hans. 2,896,560.  
 Hacklander, Hans. 2,902,959.  
 Hacklander, Hans. 2,903,986.  
 Hacklander, Hans. 2,905,120.  
 Hacklander, Hans. 2,909,242.  
 Happe, Reynold. 2,872,197.  
 Herbst, Edward J. 2,910,029.  
 Johnson, Ralph E. 2,883,953.  
 Johnson, Ralph E. 2,900,938.  
 Johnson, Ralph E. 2,900,940.  
 Johnson, Ralph E. 2,906,576.  
 Johnson, Ralph E. 2,918,027.  
 Johnson, Walter G. 2,911,931.  
 Jones, Edmund W. 2,879,734.  
 Kasper, Emil F., and Zoller. 2,887,967.  
 Ketterer, Stanley J. 2,891,349.  
 Ketterer, Stanley J. 2,902,960.  
 Ketterer, Stanley J., and Ivanko. 2,906,222.  
 Kishibay, Charles O. 2,883,955.  
 Kishibay, Charles O. 2,899,249.  
 Kunes, Earle C. 2,891,496.  
 Lombardo, Joseph A. 2,885,986.  
 Matuzas, Anthony J. 2,870,726.  
 Matuzas, Anthony J. 2,871,808.  
 Matuzas, Anthony J. 2,874,663.  
 Matuzas, Anthony J. 2,915,999.  
 Mayer, Eugene O., Walling, and Van Ness. 2,882,848.  
 Meloy, Arthur S., Jr., Sweet, and Johnson. 2,883,952.  
 Mendles, Walter J. 2,900,942.  
 Odermann, Charles R. 2,901,275.  
 Parry, Frank. 2,876,722.  
 Parry, Frank. 2,895,442.  
 Parry, Frank, and Dunn. 2,874,661.  
 Perla, Martin R., and Ketterer. 2,906,220.  
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 Platt, John. 2,874,583.  
 Platt, John. 2,900,941.  
 Reid, Orland B. 2,900,936.  
 Smith, Darwin G., and Ketterer. 2,889,790.  
 Thumler, Buscher, Paul G. 2,918,026.  
 Turner, Edgar P. 2,889,855.  
 Turner, Edgar P. 2,891,643.  
 Turner, Edgar P. 2,916,120.  
 Vaktar, Anthony E., and Hacklander. 2,910,950.  
 Waterman, Max L. 2,874,664.  
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 Singher, Heron O.: See—  
 Berliner, Victor R., and Singher. 2,915,437.  
 Kupferberg, Alfred B., and Singher. 2,886,487.  
 Singher, Heron O., to Ortho Pharmaceutical Corp. Plasmogen sterilization. 2,897,123, 7-28-59, Cl. 195-68.  
 Single, Herbert C., to United States of America, Navy. Selective gating system. 2,892,082, 6-23-59, Cl. 250-27.  
 Singleterry, Vernon A., and B. D. Brown. Floor covering stripper. 2,874,946, 2-24-59, Cl. 262-13.

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 Singleton, Andrew D.: See—  
 Kline, Leo, and Singleton. 2,881,077.  
 Singleton, Benoit M., to Woodlin Metal Products. Window and storm sash assembly. 2,889,900, 6-9-59, Cl. 159-69.  
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 Singleton, Charles L., to Multicator Corp. Credit-verifying system. 2,902,541, 9-1-59, Cl. 179-2.  
 Singleton Co., The: See—  
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 Singleton, George W.: See—  
 Cunningham, John W., and R. S. and G. W. Singleton. 2,885,300.  
 Singleton, Lucille V.: See—  
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 Singleton, Richard H., to National Research Corp. Method of producing titanium. 2,889,221, 6-2-59, Cl. 75-84.5.  
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 Singleton, Russell A. & Sons: See—  
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 Singleton, Vernon L.: See—  
 Thomas, Samuel O., Lowery, and Singleton. 2,914,525.  
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 Sink, Robert L., to Consolidated Electrodynamics Corp. Speed measurement and control. 2,876,004, 3-3-59, Cl. 271-2.3.  
 Sink, Robert L., and G. A. Neff, to Consolidated Electrodynamics Corp. Data processing apparatus. 2,891,237, 6-16-59, Cl. 340-174.  
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 Sinninger, Dwight V., to Hupp Corp. Selecting systems. 2,901,530, 8-25-59, Cl. 178-2.  
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 Goetzl, Claus G., Grant, Skolnick, and Yoblin. 2,899,338.  
 Gregory, Eric. 2,894,838.  
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 Siplin, Anatole J., to Sperry Rand Corp. Fuel metering system for starting gas turbine engines. 2,892,309, 6-30-59, Cl. 60-39.14.  
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 Sippel, Gerhard J.: See—  
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 Siri, Louis J., to Penn Controls, Inc. Air charger for pressurized tanks. 2,918,931, 12-29-59, Cl. 137-211.  
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 Sisk, Lulu E.: See—  
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 Sisson, Kenneth O.: See—  
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 Sisson, Kenneth O., to General Motors Corp. Two speed timer. 2,870,834, 1-27-59, Cl. 161-1.  
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 Sisto, Joseph A., and J. Milos, to Barium Steel Corp. Heating apparatus. 2,901,234, 8-25-59, Cl. 263-44.  
 Sistrunk, Thomas O.: See—  
 Ray, Richard L., and Sistrunk. 2,868,722.  
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 Sisulak, Michael S.: See—  
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 Sitton, Ruth B. Septic tank and method of manufacture. 2,888,819, 6-2-59, Cl. 72-14.  
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 Sivalls Tanks, Inc.: See—  
 Lovelady, Isaac W., and Kroeker. 2,882,994.  
 Sivells, Letha L. Shampooing and massaging device. 2,869,158, 1-20-59, Cl. 15-22.  
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Blackburn, Alan B., Kessler, Skinner, and Smith. 2,876,847.  
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Slover, Archy F., and G. L. Harboure, to Pennsalt Chemicals Corp. Method and apparatus for removing tank sealants. 2,894,861, 7-14-59, Cl. 134-22.

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Slowinski, Robert H., to National Gypsum Co. Metal-base wall construction. 2,887,870, 5-26-59, Cl. 72-46.

Sloyan, Jerome J. Supports. 2,874,006, 2-17-59, Cl. 308-4.

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Slud, Maurice H.: See—  
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Borins, Louis, Slud, and Zubkoff. 2,898,053.

Sluder, Robert W. Tire hold down device. 2,913,159, 11-17-59, Cl. 224-42.23.

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Slyngstad, Charles E., and J. L. Patton, to The M. W. Kellogg Co. Reforming process with a platinum containing catalyst with temperature regulation of the catalyst bed. 2,915,458, 12-1-59, Cl. 208-138.

Small, Augustus B.: See—  
Ernst, John L., Small, and McLean. 2,893,981.

Small, Augustus B., to Esso Research and Engineering Co. Hydrogenated petroleum resins. 2,911,395, 11-3-59, Cl. 260-82.

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Small, Charles L., to Hendrickson Mfg. Co. Equalizing beam end assembly for a tandem wheel and axle unit. 2,914,349, 11-24-59, Cl. 287-85.

Small, Edward F. Fishing reel. 2,879,954, 3-31-59, Cl. 242-84.21.

Small, Frank R. Piston pump. 2,872,874, 2-10-59, Cl. 103-148.

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Small, Samuel N., 1/4 to A. A. Boccio, 1/4 to M. Spinner, and 1/4 to D. Slavin. Switch operating device. 2,882,373, 4-14-59, Cl. 200-153.

Small, Samuel N., to A. G. Cohen and P. Weiss. Tiltable umbrellas. 2,906,278, 9-29-59, Cl. 135-42.

Small, Solie W., and D. Herman, to Coffee-Mat Corp. Valve mechanism. 2,901,002, 8-25-59, Cl. 137-635.

Small, William W., to United States of America, Navy. Unshorter. 2,900,910, 8-25-59, Cl. 102-70.2.

Smalley, Burton M., to Joslyn Mfg. & Supply Co. Support for electrical devices. 2,883,135, 4-21-59, Cl. 248-230.

Smalley, Burton M., to Joslyn Mfg. & Supply Co. Support for electrical devices. 2,883,136, 4-21-59, Cl. 248-230.

Smalley, Burton M., to Joslyn Mfg. & Supply Co. Guy strain insulator. 2,889,397, 6-2-59, Cl. 174-178.

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Smalley, Janet H., and S. F. Staffel, to American Cyanamid Co. Process of producing substituted borazoles. 2,917,543, 12-15-59, Cl. 260-551.

Smalley, Richard R. Automatic shut-off valve mechanism for tanks and the like. 2,888,038, 5-26-59, Cl. 137-534.

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Smee, Peter G., and J. S. S. Ker, to General Electric Co. Passive conference circuit. 2,882,339, 4-14-59, Cl. 179-1.

Smejda, Richard K. Multicolor inking and application device. 2,887,044, 5-19-59, Cl. 101-115.

Smejda, Richard K. Multi-color attachment to the print roller in roller printing. 2,891,474, 6-23-59, Cl. 101-365.

Smeltzer, Louis P. Ambulant discharge land irrigating sprinkler. 2,892,593, 6-30-59, Cl. 239-177.

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Smidlth, F. L., and Co., A/S: See—  
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Smiley, Jan C. Babysitter protective tents. 2,898,923, 8-11-59, Cl. 135-1.

Smiley, Robert A., to E. I. du Pont de Nemours and Co. Piperazine derivatives. 2,887,488, 5-19-59, Cl. 260-268.

Smiley, Robert A., to E. I. du Pont de Nemours and Co. Chemical process for the preparation of primary and secondary cyano alkanes. 2,912,455, 11-10-59, Cl. 260-465.8.

Smiley, Seymour H., D. C. Brater and R. H. Nimmo, to United States of America, Atomic Energy Commission. Continuous process for the conversion of UF<sub>6</sub> to UF<sub>4</sub>. 2,907,629, 10-6-59, Cl. 23-14.5.

Smillie, John F. Combination cigarette snuffer, ejector and ashtray. 2,877,774, 3-17-59, Cl. 131-235.

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Smirl, Richard L., to Borg-Warner Corp. Automatic clutch control. 2,893,526, 7-7-59, Cl. 192-52.

Smirl, Richard L., to Borg-Warner Corp. Transmission for automotive vehicles. 2,908,181, 10-13-59, Cl. 74-472.

Smirl, Richard L., to Borg-Warner Corp. Vibration dampening device for drive mechanisms. 2,913,925, 11-24-59, Cl. 74-574.

Smirl, Richard L., and M. J. Wacławek, to Borg-Warner Corp. Transmission. 2,890,600, 6-16-59, Cl. 74-677.

Smirl, Richard L., and M. J. Wacławek, to Borg-Warner Corp. Transmission. 2,890,602, 6-16-59, Cl. 74-688.

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Smit, Willem, and Co.'s Transformatorenfabriek N.V.: See—  
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Smith, Aaron E. Remote control operating device for tape recorder. 2,916,574, 12-8-59, Cl. 200-61.13.

Smith, Aaron H., to Signal Mfg. Co. Brushing and scrubbing machine. 2,874,396, 2-24-59, Cl. 15-49.

Smith, Albert R. Process of making a rock-faced building product. 2,890,492, 6-16-59, Cl. 18-60.

Smith, Alexander, and B. D. Baggs, Jr. Gardening machine. 2,882,977, 4-21-59, Cl. 172-15.

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Smith, Alexander, and B. D. Baggs. Lawn edger. 2,890,562, 6-16-59, Cl. 56-25.4.

Smith, Alexander, and B. D. Baggs, Jr. Lawn edger. 2,910,817, 11-3-59, Cl. 56-25.4.

Smith, Alexander, and B. D. Baggs, Jr. Lawn edger. 2,913,058, 11-17-59, Cl. 172-15.

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Smith, Arthur D., to Kaiser Aluminum & Chemical Corp. Article handling device. 2,882,048, 4-14-59, Cl. 271-68.

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Smith, Augustus B., M. J. Roberts, D. W. Wagner, and J. B. Stine, to National Dairy Products Corp. Manufacture of cheese. 2,871,126, 1-27-59, Cl. 99-116.

Smith, Austin W., and E. G. Moneymaker, to General Electric Co. Feeder mechanism. 2,892,567, 6-30-59, Cl. 221-10.

Smith, Ben J., to General Motors Corp. Convertible top header lock assembly. 2,886,364, 5-12-59, Cl. 292-113.

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Roth, David R., and Smith. 2,877,470.

Smith, Billy G. Fish lure. 2,883,786, 4-28-59, Cl. 43-42.22.

Smith, Blanchard D. Shade rollers. 2,894,577, 7-14-59, Cl. 160-299.

Smith, Blanchard D., Jr., to United States of America, Air Force. Multiplier-integrator circuit. 2,872,109, 2-3-59, Cl. 235-61.

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Smith, Brenner E., and R. P. Harvey, to J. H. Smith Co., Inc. Ironing board clothes hanger. 2,905,423, 9-22-59, Cl. 248-226.

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Smith, Brook I., E. D. Boston, and J. W. Herrmann, to Esso Research and Engineering Co. Conversion of hydrocarbons. 2,871,183, 1-27-59, Cl. 208-54.

Smith, Brook I., and E. D. Boston, to Esso Research and Engineering Co. Products separating system. 2,874,113, 2-17-59, Cl. 208-54.

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Smith, Burt A., Sr. Lead-in wire connectors. 2,888,726, 6-2-59, Cl. 24-125.

Smith, Caldwell P., to United States of America, Air Force. Device for extracting the excitation function from speech signals. Re. 24,870, 7-21-59, Cl. 179-1.

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Smith, Caldwell P., to United States of America, Air Force. Analysis of voltage distribution. 2,901,697, 8-25-59, Cl. 324-77.

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Smith, Carl H., Jr.: See—  
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Smith, Carlisle F., and R. B. Skromme, to J. I. Case Co. Baler tying mechanism. 2,872,860, 2-10-59, Cl. 100-22.

Smith, Carroll-Dunham, Pharmacal Co.: See—  
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Smith, Charles. Interlocking building blocks. 2,911,818, 11-10-59, Cl. 72-41.

Smith, Charles A.: See—  
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Smith, Charles A., to Sperry Rand Corp. Power-take-off construction. 2,885,231, 5-5-59, Cl. 287-53.

Smith, Charles B.: See—  
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Smith, Charles C. Fish line connector. 2,871,540, 2-3-59, Cl. 24-237.

Smith, Charles C. Machine for packaging fluent material. 2,899,789, 8-18-59, Cl. 53-281.

Smith, Charles E.: See—  
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Smith, Charles E. Attach-on tray—self supporting serving tray. 2,906,411, 9-29-59, Cl. 211-71.

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Smith, Charles H., to Flight Refueling Inc. Apparatus for interconnecting aircraft in flight. 2,879,017, 3-24-59, Cl. 244-135.

Smith, Charles I., M. M. Zimet, and H. L. Robinson, to Sperry Rand Corp. Ford Instrument Co. Div. Wideband microwave discriminator. 2,886,705, 5-12-59, Cl. 250-31.

Smith, Charles J., Jr., to Olin Mathieson Chemical Corp. Process for the preparation of alkyl phosphonates. 2,880,224, 3-31-59, Cl. 260-461.

Smith, Charles L., and B. G. Brand, to N. Burrows. Non-crumbly eraser composed of rubber, polyisobutylene and an abrasive material. 2,919,180, 12-29-59, Cl. 51-298.

Smith, Charles N. Floor furnace grill insulator. 2,879,706, 3-31-59, Cl. 98-101.

Smith, Charles N., and F. J. Bremer. Combination lock construction. 2,881,612, 4-14-59, Cl. 70-302.

Smith, Charles P., and J. M., to Sylvania Electric Products Inc. Heater tray device. 2,914,900, 12-1-59, Cl. 53-160.

Smith, Charles R. Barbecue fuel and preparation thereof. 2,916,365, 12-8-59, Cl. 44-41.

Smith, Charles S.: See—  
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Smith, Charles S., and C. H. Woolley, deceased (by M. S. Chamberlin, executrix), to The Babcock & Wilcox Co. Multiple furnace vapor generator with unitary reheater and superheater control by gas recirculation. 2,872,907, 2-10-59, Cl. 122-240.

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Smith, Charles W. Automatic control mechanism for toy electric railways. 2,905,811, 9-22-59, Cl. 246-75.

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Smith, Chester W. Metal cleaning and phosphating composition. 2,886,477, 5-12-59, Cl. 148-616.

Smith, Clarence C., to Union Special Machine Co. Fabric trimming and thread laying mechanism for sewing machines. 2,914,009, 11-24-59, Cl. 112-123.

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Smith, Clarence G., and W. B. Allen, to Hughes Aircraft Co. Subminiature potentiometer. 2,887,554, 5-19-59, Cl. 201-55.

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Smith, Clarence J., to W. F. and John Barnes Co. Wire forming apparatus. 2,874,731, 2-24-59, Cl. 140-71.

Smith, Clarence M.: See—  
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Smith, Clarence M., to Westinghouse Electric Corp. Electric wiring device. 2,872,551, 2-3-59, Cl. 200-172.

Smith, Clarence M., to The Bryant Electric Co. Wiring device. 2,890,265, 6-9-59, Cl. 174-53.

Smith, Clarence M., to The Bryant Electric Co. Wiring device. 2,899,524, 8-11-59, Cl. 200-168.

Smith, Clarence M., and A. E. Bromley, to The Bryant Electric Co. Wiring device. 2,915,736, 12-1-59, Cl. 339-170.

Smith, Clark C. Apparatus for making dentures. 2,887,717, 5-26-59, Cl. 18-57.

Smith, Clark C. Method of constructing dentures. 2,899,712, 8-18-59, Cl. 18-55.1.

Smith, Cleveland S., to Syntrol Co. Revolving cylindrical frame for selenium depositors. 2,906,236, 9-29-59, Cl. 113-49.1.

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Smith, Clifford E.: See—  
Ray, Gardner C., and Smith. 2,905,730.

Smith, Clifford E., to A. C. Staley Mfg. Co. Method of refining starch hydrolyzate liquors. 2,871,147, 1-27-59, Cl. 127-40.

Smith, Clifford E., to A. E. Staley Mfg. Co. Compressed starch grits. 2,907,685, 10-6-59, Cl. 127-71.

Smith, Clifford E., and J. E. Tipton, to A. E. Staley Mfg. Co. Process for refining starch hydrolyzate liquors. 2,890,138, 6-9-59, Cl. 127-48.

Smith, Clifford W., to Johnson & Johnson. Adhesive bandage. 2,905,174, 9-22-59, Cl. 128-156.

Smith, Clifton E.: See—  
Bacon, Leslie R., Smith, and Vaughn. 2,886,533.

Smith, Cornelius W., R. L. Seger, Jr., and L. W. Rorem, to United States Rubber Co. Tire and wheel assembly. 2,896,687, 7-28-59, Cl. 152-310.

Smith-Corona Marchant Inc.: See—  
Barkdoll, Joseph P. 2,896,760.  
Barkdoll, Joseph P. 2,896,767.  
Barkdoll, Joseph P. 2,901,079.  
Bevan, Bernard J. 2,913,093.  
Burns, Meryl C., Glel, and Stahl. 2,895,674.  
Dustin, Howard M. 2,896,846.  
Nee, David S. 2,912,162.  
Reynolds, Eugene E. 2,896,847.  
Zeamer, Aaron C. 2,901,080.

Smith, Curtis W.: See—  
Fischer, Rudolph F., and Smith. 2,888,492.  
Payne, George B., and Smith. 2,870,125.  
Payne, George B., and Smith. 2,870,170.

Smith, Cyril S., to United States of America, Atomic Energy Commission. Method of rolling uranium. 2,897,697, 8-4-59, Cl. 80-60.

Smith, Daniel J., and R. P. Valley. Arrow quiver or holder. 2,905,218, 9-22-59, Cl. 150-1.5.

Smith, Darwin G., and S. J. Ketterer, to The Slinger Mfg. Co. Apparatus for producing piped garment openings. 2,889,790, 6-9-59, Cl. 112-65.

Smith, David F. Cellulosic hemostatic composition. 2,914,444, 11-24-59, Cl. 167-65.

Smith, David P., to General Motors Corp. Hydraulic power steering gear. 2,871,069, 2-3-59, Cl. 180-79.2.

Smith, David R., and R. L. Hall, to Phillips Petroleum Co. Adhesive composition. 2,898,315, 8-4-59, Cl. 260-27.

Smith, David W., to The British Oxygen Co. Ltd. Fluid pressure responsive switch. 2,916,577, 12-8-59, Cl. 200-83.

Smith, De Forest F.: See—  
Magnuson, Dale W., and Smith. 2,882,442.

Smith, Delmas A.: See—  
Webber, William O., and Smith. 2,897,838.

Smith, Dexter E., C. W. Mertz, and L. S. Crowell, to Phillips Petroleum Co. Analyzer and control method. 2,908,818, 10-13-59, Cl. 250-43.5.

Smith-Dieterich Corp.: See—  
Smith, Philip S. 2,896,503.  
Smith, Philip S. 2,918,842.  
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Smith, Donald A.: See—  
Dann, John R., Gates, Smith, and Unruh. 2,882,161.  
Unruh, Cornelius C., and Smith. 2,875,059.  
Unruh, Cornelius C., and Smith. 2,887,469.

Smith, Donald A., and C. C. Unruh, to Eastman Kodak Co. N-(acryloxyalkyl)- and N-(methacryloxyalkyl)-2-pyrrolidones and polymers thereof. 2,882,262, 4-14-59, Cl. 260-80.5.

Smith, Donald A., and C. C. Unruh, to Eastman Kodak Co. Cyanoacetamidophthalic acid esters of polymers. 2,904,539, 9-15-59, Cl. 260-78.4.

Smith, Donald D., to Dow Corning Corp. Halogenated siloxanes. 2,884,433, 4-28-59, Cl. 260-448.2.

Smith, Donald D., to Dow Corning Corp. Haloorgano sil-carbene siloxanes. 2,884,434, 4-28-59, Cl. 260-448.2.

Smith, Donald D., to Dow Corning Corp. Polyesters of fluorinated glycols and phthalic acids. 2,902,473, 9-1-59, Cl. 260-75.

Smith, Donald D., to Dow Corning Corp. Fluorinated polyurethane resins. 2,911,390, 11-3-59, Cl. 260-77.5.

Smith, Donald G., to Hester Plow Co., Inc. Lift type offset harrow. 2,908,336, 10-13-59, Cl. 172-441.

Smith, Donald P.: See—  
Barker, Seth S., and Smith. 2,914,794.

Smith, Donald P., to Barker Poultry Equipment Co. Commodity packaging machine. 2,885,850, 5-12-59, Cl. 53-258.

Smith, Donald P., J. N. Rollin, and A. L. James, to Milprint, Inc. Food preserving wrapping material and process of preparing the same. 2,906,646, 9-29-59, Cl. 117-144.

Smith, Donald W.: See—  
Quigley, Henry C., and Smith. 2,879,314.

Smith, Douglas. Bimetallic coupling for flanged pipe elements. Re. 24,589, 1-13-59, Cl. 285-187.

Smith, E. Quimby, Jr.: See—  
Matthews, Lyle E., and Smith. 2,874,826.

Smith, Edgar L.: See—  
Smith, Harold G. 2,868,416.

Smith, Edward A., to Raymond International Inc. Power hammer construction. 2,885,862, 5-12-59, Cl. 61-76.

Smith, Edward M., to Techno Corp. Check valve with operator therefor. 2,898,080, 8-4-59, Cl. 251-82.

Smith, Edward W. Underwater earth boring mechanism. 2,906,502, 9-29-59, Cl. 255-2.5.

Smith, Edwin B.: See—  
Toursouh, Simeon I., Smith, and Skorup. 2,867,751.

Smith, Edwin B., to Radio Corp. of America. Frequency selective signal attenuating circuit. 2,901,535, 8-25-59, Cl. 178-5.8.

Smith, Edwin J., and J. R., to National Steel Corp. Electrolytic treatment of tinplate. 2,906,677, 9-29-59, Cl. 204-56.

Smith, Edwin R., to Seneca Falls Machine Co. Power actuator with pilot control. 2,878,685, 3-24-59, Cl. 74-388.

Smith, Edwin R., and C. F. Cafolla, to Seneca Falls Machine Co. Differential timing device mechanism. 2,916,949, 12-15-59, Cl. 74-689.

Smith, Edwin W., and W. L. Van Dam, to Atlas Press Co. Mechanical device. 2,886,250, 5-12-59, Cl. 239-120.

Smith, Elbert C., and C. K. Stoddard, to Titanium Metals Corp. of America. Method for the manufacture of titanium metal. 2,889,228, 6-2-59, Cl. 75-84.5.

Smith, Eliwood H., to Lovell Mfg. Co. Clothes dryer. 2,884,710, 5-5-59, Cl. 34-133.

Smith, Edwin E.: See—  
Ruff, Edgar E., and Smith. 2,903,431.

Smith, Emerson S. Electrical insulating glove. 2,886,824, 5-19-59, Cl. 2-168.

Smith Engineering Works: See—  
Rumpel, Harvey H. 2,881,981.

Smith, Eric, to Monsanto Chemicals Ltd. Phenolic resins and their use in moulding processes. 2,915,491, 12-1-59, Cl. 260-38.

Smith, Eric, and J. S. Turnbull, to Metropolitan-Vickers Electrical Co. Ltd. Compositions suitable for making refractory articles. 2,888,354, 5-26-59, Cl. 106-38.22.

Smith, Eric, and T. Scholes, to D.S.T. Pattern and Engineering Co. Ltd. Doctor knives. 2,914,788, 12-1-59, Cl. 15-256.5.

Smith, Eric D. Switching apparatus. 2,885,512, 5-5-59, Cl. 200-98.

Smith, Eric J.: See—  
Brooke, Thomas A., and Smith. 2,873,940.

Smith, Ernest F., A. R. Barragato, E. F. Oakwood, and R. H. Sage, to United States of America, Army. Liquid level indicator sending unit. 2,906,122, 9-29-59, Cl. 73-313.

Smith, Eugene E., and F. W. Van Kirk, to Hughes Aircraft Co. Reserve primary battery. 2,905,741, 9-22-59, Cl. 136-90.

Smith, Eugene H. Fishing lure. 2,916,846, 12-15-59, Cl. 43-44.4.

Smith, Floyd C.: See—  
Huetten, Clarence, and Smith. 2,883,482.

Smith, Floyd E. Parts feeder. 2,901,095, 8-25-59, Cl. 198-220.

Smith, Floyd M., to The Firestone Tire & Rubber Co. Conveyor belt. 2,875,116, 2-24-59, Cl. 154-52.1.

Smith, Floyd S.: See—  
Hoover, Michael C., Smith, and Kaufman. 2,908,375.

Smith, Francis J. Evaporator assembly for a vehicle. 2,902,840, 9-8-59, Cl. 62-407.

Smith, Frank A. Detachable motor vehicle wheel. 2,885,244, 5-5-59, Cl. 301-9.

Smith, Frank B., to United States Rubber Co. Synthetic rubbery polyester-polyisocyanate polymers. 2,907,752, 10-6-59, Cl. 260-75.

Smith, Frank E.: See—  
Bergh, Sverre E., and Smith. 2,887,448.  
Gregory, Joseph M., and Smith. 2,917,167.  
Tafel, Robert W., and Smith. 2,914,268.

Smith, Frank E., to E. I. du Pont de Nemours and Co. Fused salt electrolytic cell. 2,893,940, 7-7-59, Cl. 204-243.

Smith, Frank J. Parking meters. 2,887,205, 5-19-59, Cl. 194-19.

Smith, Frank P., to International Telephone and Telegraph Corp. Color television signal-separating system. 2,896,016, 7-21-59, Cl. 178-5.4.

Smith, Frank R.: See—  
Willett, Leon E., and Smith. 2,886,960.

Smith, Frank R., to Normalair Ltd. Enclosure pressure control mechanism. 2,902,916, 9-8-59, Cl. 98-1.5.

Smith, Frank V., and O. H. Wells, to Westinghouse Electric Corp. Electrical control apparatus. 2,913,591, 11-17-59, Cl. 307-51.

Smith, Fred: See—  
Maddock, Alfred G., and Smith. 2,901,313.

Smith, Fred, E. D. Besser, R. E. Montonna, deceased; and M. L. Montonna, administratrix, to Regents of the University of Minnesota. Process for conditioning plant fibers for spinning. 2,883,826, 4-28-59, Cl. 57-164.

Smith, Fred S.: See—  
Paxton, Allen D., Smith, and Johnson. 2,883,914.

Smith, Fred T., to Precision Research and Development Co. Post hole auger. 2,890,860, 6-16-59, Cl. 255-19.

Smith, Frederic C. Hearing aid. 2,873,306, 2-10-59, Cl. 174-52.

Smith, Frederick B., Jr.: See—  
Hinsdale, Edwin M., Jr., and Smith. 2,898,399.

Smith, Frederick H.: See—  
Stedman, Cecil K., and Smith. 2,886,794.

Smith, Frederick H. Tool holder. 2,869,880, 1-20-59, Cl. 279-6.

Smith, Frederick H. Adjustable floating tool holders. 2,869,881, 1-20-59, Cl. 279-16.

Smith, Frederick H. Collet pads. 2,883,200, 4-21-59, Cl. 279-55.

Smith, Frederick H. Adjustable drill holder. 2,898,118, 8-4-59, Cl. 279-16.

Smith, Frederick H., to United States of America, Navy. Torpedo construction. 2,906,227, 9-29-59, Cl. 114-20.

Smith, Frederick L.: See—  
Bell, William C. E., and Smith. 2,885,200.

Smith, Frederick R., to American Viscose Corp. Double acting diaphragm pump. 2,871,795, 3-3-59, Cl. 103-150.

Smith, Gene W.: See—  
Hughes, Arthur C., Jr., and Smith. 2,918,817.

Smith, George A., to Sun Oil Co. Electrical analogs employing more than two probes. 2,870,961, 1-27-59, Cl. 235-61.

Smith, George A., to Central Transformer Corp. Method of making magnetic three-phase cores. 2,875,507, 3-3-59, Cl. 29-155.57.

Smith, George A., to Central Transformer Corp. Three-phase core for transformers. 2,889,525, 6-2-59, Cl. 336-215.

Smith, George A., to Central Transformer Corp. Magnetic cores for transformers. 2,907,967, 10-6-59, Cl. 336-217.

Smith, George E. Hassock. 2,877,830, 3-17-59, Cl. 155-169.

Smith, George F., to Hughes Aircraft Co. Cathode-ray tube for presenting stored and non-stored displays. 2,884,558, 4-28-59, Cl. 315-12.

Smith, George F., to Hughes Aircraft Co. Electron discharge device. 2,887,610, 5-19-59, Cl. 315-8.5.

Smith, George F., to Hughes Aircraft Co. Direct-viewing storage tube. 2,903,618, 9-8-59, Cl. 315-12.

Smith, George F., and N. J. Koda, to Hughes Aircraft Co. Storage screen for direct-viewing storage tube. 2,887,597, 5-19-59, Cl. 313-88.

Smith, George H.: See—  
Altchison, Robert B., and Smith. Re. 24,603.  
Altchison, Robert B., and Smith. 2,882,016.  
Holmen, Reynold E., and Smith. 2,890,241.

Smith, George H., to Anthony Bros. Fibre Glass Pool Corp. Process and apparatus for molding large plastic structures. 2,913,036, 11-17-59, Cl. 154-1.6.

Smith, George J. Emergency car door opening tool. 2,885,917, 5-12-59, Cl. 81-3.

Smith, George W.: See—  
Howell, William, and Smith. 2,886,883.

Smith, Gerould H., to Union Oil Co. of California. Well logging process. 2,889,208, 6-2-59, Cl. 23-230.

Smith, Gilbert H.: See—  
Copping, Geoffrey P., Myers, and Smith. 2,895,610.

Smith, Gordon R., to E. R. Lowe. Automatic expanding mandrel. 2,870,686, 1-27-59, Cl. 90-11.58.

Smith, Graydon, to Cranston Prints Works Co. Print machine doctor blade driving mechanism. 2,870,705, 1-27-59, Cl. 101-152.

Smith, Graydon, to The Foxboro Co. Telemetering system. 2,902,680, 9-1-59, Cl. 340-206.

Smith, H. C. Oil Tool Co.: See—  
Robinson, William P. 2,907,611.  
Swart, Kenneth H. 2,880,970.

Smith, Harley A.: See—  
Winters, Donald F., and Smith. 2,875,734.

Smith, Harold A. Beam compasses. 2,906,024, 9-29-59, Cl. 33-27.

Smith, Harold G., to E. L. Smith. Apparatus for dispensing and warming liquids. 2,868,416, 1-13-59, Cl. 222-146.

Smith, Harold K., and C. G. Gibbons, to Baker Perkins, Inc. Electrical control system for rack type proofer. 2,899,040, 8-11-59, Cl. 198-85.

Smith, Harris W.: See—  
Hunter, Robert H., and Smith. 2,883,979.



Smith, Harrison C., to General Telephone Laboratories, Inc. Exclusion arrangement for loudspeaking telephone systems. 2,885,477, 5-5-59, Cl. 179-1.

Smith, Harry A.: See—  
Dymek, Lewis G., and Smith. 2,888,118.

Smith, Harry A., to Interchangeable, auxiliary vise jaws. 2,876,667, 3-10-59, Cl. 81-38.

Smith, Harry B.: See—  
Green, Elbertson D., and Smith. 2,879,503.

Smith, Harry B., to Westinghouse Electric Corp. Doppler radar acquisition system. 2,871,468, 1-27-59, Cl. 343-8.

Smith, Harry B., to Westinghouse Electric Corp. Sweep generator. 2,905,817, 9-22-59, Cl. 250-27.

Smith, Harry D. Adjustable golf club. 2,879,065, 3-24-59, Cl. 273-81.2.

Smith, Harry R., and A. R. Taylor, to Radio Engineering Laboratories, Inc. Broad band tuned amplifier circuit. 2,917,712, 12-15-59, Cl. 330-56.

Smith, Henry S.: See—  
Lincoln, Clovis W., Zeigler, and Smith. 2,897,884.

Smith, Herbert L.: See—  
Karl, Horace E., and Smith. 2,871,082.

Smith, Herman E.: See—  
Lo Presti, Roy F., and Smith. 2,892,533.

Smith, Herman E., to Goodman Mfg. Co. Flexible troughing roller assembly for belt conveyor. 2,895,594, 7-21-59, Cl. 198-192.

Smith, Herman E., to Goodman Mfg. Co. Extensible conveyors. 2,909,273, 10-20-59, Cl. 198-202.

Smith, Herman R., to Raymond International, Inc. Pile driving apparatus. 2,880,590, 4-7-59, Cl. 61-79.

Smith, Hinsdale, Jr. Flash gun. 2,898,448, 8-4-59, Cl. 240-1.3.

Smith, Hiram P., to International Harvester Co. Gauge wheel for two-way plow. 2,869,653, 1-20-59, Cl. 172-212.

Smith, Hiram P., to International Harvester Co. Lock for two-way plow. 2,871,960, 2-3-59, Cl. 172-226.

Smith, Homer A.: See—  
Goodwin, Manfred E., Sawyer, and Smith. 2,894,848.

Smith, Horace V., to Oil Metering and Processing Equipment Corp. Free float liquid metering apparatus. 2,882,724, 4-21-59, Cl. 73-200.

Smith, Horace V., to Oil Metering and Processing Equipment Corp. Liquid measuring device. 2,882,726, 4-21-59, Cl. 73-219.

Smith, Horace V., to Oil Metering and Processing Equipment Corp. Separator-metering assembly. 2,882,995, 4-21-59, Cl. 183-2.7.

Smith, Howard A. Garments. 2,880,732, 4-7-59, Cl. 128-475.

Smith, Howard B. Stenographic machines. 2,891,647, 6-23-59, Cl. 197-9.

Smith, Howard B. Stenographic machines. 2,904,157, 9-15-59, Cl. 197-9.

Smith, Howard B., Jr.: See—  
Meek, James M., Smith, and Winston. 2,913,984.

Smith, Howard J., to Bell Telephone Laboratories, Inc. Switching device mechanism. 2,875,639, 3-3-59, Cl. 74-504.

Smith, Howard, Paper Mills Ltd.: See—  
Stidwell, George B. M. 2,894,147.

Tomlinson, George H., II. 2,878,934.

Smith, Hubert R.: See—  
Purswell, Guy, Kinghorn, and Smith. 2,888,298.

Smith, Hubert T., and C. E. Todd, to United States Rubber Co. Tire building apparatus. 2,878,857, 3-24-59, Cl. 154-9.

Smith, Hugh R., Jr.: See—  
Hanks, Charles W. Hunt, and Smith. 2,880,483.

Smith, Hugh R., Jr., to Temescal Metallurgical Corp. Corrosion- and abrasion-resistant coated metals. 2,907,679, 10-6-59, Cl. 117-71.

Smith, Ian A., to American Screw Co. Extruding method and apparatus. 2,912,886, 11-17-59, Cl. 76-90.

Smith, Ian B., to Norton Co. Vitrified bonded grinding wheel with fine hard sides. 2,877,103, 3-10-59, Cl. 51-308.

Smith, Ian W. F., to Imperial Chemical Industries Ltd. Rotary apparatus for conveying solid particles. 2,907,444, 10-6-59, Cl. 198-50.

Smith, Irving H. Handle for attachment to metallic foil dishes. 2,879,098, 3-24-59, Cl. 294-27.

Smith, Iva B.: See—  
Webb, James, and Smith. 2,908,993.

Smith, Ivan R.: See—  
Speed, David B., and Smith. 2,879,195.

Smith, J. H., Co., Inc.: See—  
Smith, Brenner E., and Harvey. 2,905,423.

Smith, James, & Son, Inc.: See—  
Gustafson, Carl O. 2,905,029.

Smith, James A.: See—  
Clark, Carleton L., Hickey, Kaiser, and Smith. 2,876,860.

Smith, James D. Focal plane shutter. 2,896,525, 7-28-59, Cl. 95-58.

Smith, James E. Variable stroke variable pressure pump or compressor. 2,917,003, 12-15-59, Cl. 103-161.

Smith, James G.: See—  
Kibler, Charles J., Bell, and Smith. 2,901,466.

Smith, James J., and R. D. Graf, to Essex Wire Corp. Thermostatic timing control. 2,901,642, 8-25-59, Cl. 307-112.

Smith, James L., and R. C. Harrington, Jr., to Eastman Kodak Co. Sulfation reagent and process of manufacture. 2,891,962, 6-23-59, Cl. 260-307.

Smith, James M.: See—  
Smith, Charles P., and J. M. 2,914,900.

Smith, James V., to Phillips Petroleum Co. Method for coating filamentous articles. 2,904,846, 9-22-59, Cl. 18-59.

Smith, Jesse C., to New York Wire Cloth Co. Customized enclosure for porches and the like. 2,888,070, 5-26-59, Cl. 160-88.

Smith, Joe L. Shoe display rack. 2,902,167, 9-1-59, Cl. 211-34.

Smith, Joel N.: See—  
Ayres, William R., and Smith. 2,911,622.

Smith, Joel N., and W. R. Ayres, to Radio Corp. of America. Message spacing control system. 2,907,002, 9-29-59, Cl. 340-174.

Smith, John A.: See—  
Fox, Robert L., and Smith. 2,898,792.

Smith, John E., to James Lees and Sons Co. Improved looper for pile fabric tufting machines. 2,879,730, 3-31-59, Cl. 112-79.

Smith, John E., to United States of America, Navy. Quick disconnect unit for pressurized system. 2,890,718, 6-16-59, Cl. 137-614.18.

Smith, John E., R. S. Charlton, and R. A. Grocock. Prefabricated wall. 2,911,817, 11-10-59, Cl. 72-16.

Smith, John F.: See—  
Dalton, Norris D., and Smith. 2,901,010.

Peterson, Evald O., and Smith. 2,888,049.

Smith, John F., and F. Dawson, to Compo Shoe Machinery Corp. Shoe presses. 2,866,987, 1-6-59, Cl. 12.

Smith, John H.: See—  
Blackburn, Alan R., Kessler, Skinner, and Smith. 2,876,847.

Smith, John H., to General Motors Corp. Engine starter. 2,899,829, 8-18-59, Cl. 74-6.

Smith, John I., to Raytheon Mfg. Co. Electronic devices. 2,888,609, 5-26-59, Cl. 315-39.3.

Smith, John J.: See—  
Mueller, Frank H., and Smith. 2,893,274.

Mueller, Frank H., and Smith. 2,895,352.

Smith, John J., to Mueller Co. Pipe fitting with retained gasket sealing means. 2,897,842, 8-4-59, Cl. 138-92.

Smith, John J., to Chicopee Mfg. Corp. Cleaning tool with detachable cloth. 2,916,759, 12-15-59, Cl. 15-247.

Smith, John J., and E. T. Middlesworth, to Pittsburgh Plate Glass Co. Glass composition. 2,892,726, 6-30-59, Cl. 106-52.

Smith, John J., and J. E. Duncan, to Pittsburgh Plate Glass Co. Glass composition. 2,901,366, 8-25-59, Cl. 106-52.

Smith, John K. Paddles for canoes and the like. 2,913,727, 11-17-59, Cl. 9-24.

Smith, John L.: See—  
Weinberger, Arnold, and Smith. 2,879,001.

Smith, John O., Jr.: See—  
Fischl, Fred B., Clarke, and Smith. 2,888,338.

Weisgerber, George A., and Smith. 2,895,815.

Smith, John O., Jr., and J. V. Clarke, Jr., to Esso Research and Engineering Co. Fluorinated diesters of phosphorodithioic acid and salts thereof. 2,884,431, 4-28-59, Cl. 260-429.9.

Smith, John R.: See—  
Smith, Edwin J., and J. R. 2,906,677.

Smith, John R., to Sanborn Co. Pad for skin preparation for electrocardiography and the like. 2,887,112, 5-19-59, Cl. 128-417.

Smith, John R., to Pennsylvania Transformer Co. Magnetic core. 2,899,656, 8-11-59, Cl. 336-211.

Smith, John R., and A. J. Cizauskas, to The Commonwealth of Pennsylvania. Forming or molding apparatus. 2,872,861, 2-10-59, Cl. 101-27.

Smith, John T. Non skid tire set. 2,909,207, 10-20-59, Cl. 152-222.

Smith, John W.: See—  
Fritze, Marvin E., and Smith. 2,884,745.

Nordstrom, Gordon J., and Smith. 2,901,604.

Smith, Joseph B. K.: See—  
Hogan, Joseph L. 2,871,915.

Smith, Joseph Earl, Jr., to Bryant Chucking Grinder Co. Shaft positioner. 2,911,956, 11-10-59, Cl. 121-98.

Smith, Joseph H.: See—  
Harmon, Carlyle, Griswold, and Smith. 2,909,491.

Smith, Joseph N., 30% to N. H. Banks. Salt and pepper shaker. 2,875,925, 3-3-59, Cl. 222-39.

Smith, Joseph W., and G. Samios, to Westinghouse Electric Corp. Control system for a reversible motor. 2,913,651, 11-17-59, Cl. 318-282.

Smith, Julian K., and L. A. Kovacs, to The Reliance Electric & Engineering Co. Removable hub. 2,869,774, 1-20-59, Cl. 230-134.

Smith, Karl F., and R. J. Van Thynne, to United States of America, Atomic Energy Commission. Vanadium alloys. 2,886,431, 5-12-59, Cl. 75-134.

Smith, Kenneth A., to Sinclair Refining Co. Gasoline additive mixture. 2,884,314, 4-28-59, Cl. 44-53.

Smith, Kenneth A., to Imperial Chemical Industries Ltd. Production of explosives. 2,891,563, 6-23-59, Cl. 137-1.

Smith, Kenneth A., and D. A. Love, to Imperial Chemical Industries Ltd. Blasting device. 2,916,993, 12-15-59, Cl. 102-25.

Smith, Kenneth D., to Bell Telephone Laboratories, Inc. Switches controlled by forces of acceleration. 2,885,503, 5-5-59, Cl. 200-61.45.

Smith, Kenneth G., and G. H. Washington, to United States of America, Navy. Corona proof link. 2,867,682, 1-6-59, Cl. 174-140.

Smith, Kenneth L.: See—  
Lucas, John H., and Smith. 2,900,572.

Smith, Kline & French Laboratories: See—  
Bartlett, Richard J. 2,878,631.

Bartlett, Richard J., Hall, and Martell. 2,910,815.

Craig, Paul N. 2,914,528.

Craig, Paul N., and Lafferty. 2,919,271.

Edgerton, William H. 2,916,495.

Grass, George M., Jr., and Robinson. 2,875,130.

Greer, Henry W., Hompe, and Martell. 2,890,557.

Hompe, Robert W., and Ferguson. 2,890,580.

Raff, Allan M., and Svodres. 2,876,818.

Rosenthal, Fritz. 2,895,880.

Whitecar, Allen E. 2,902,806.

Whitecar, Allen E. 2,916,811.

Smith, Lee B., to Allied Chemical Corp. Manufacture of perfluoropropene. 2,900,423, 8-18-59, Cl. 260-653.5.

Smith, Lee D., to United States of America, Army. Microwave single-sideband modulator. 2,872,647, 2-3-59, Cl. 332-45.

Smith, Leland L., M. Marx, and S. A. Muller, to American Cyanamid Co. Preparation of tetracycline-urea compound. 2,905,662, 9-22-59, Cl. 260-96.5.

Smith, Leonard P. Filter for machine coolant. 2,919,029, 12-29-59, Cl. 210-305.

Smith, Leslie J., to Slumberland Ltd. Mattress stitching apparatus. 2,915,027, 12-1-59, Cl. 112-3.

Smith, Lester L., and F. E. Randall: said Randall assor. to said Smith. Tool and method for securing sheet metal pieces together. 2,901,816, 9-1-59, Cl. 29-21.1.

Smith, Lloyd: See—  
Van Atta, Chester M., Berlinger, and Smith. 2,867,748.

Smith, Lloyd B. Lawn sprinkler. 2,884,202, 4-28-59, Cl. 239-97.

Smith, Lloyd B. Refuse vehicle. 2,902,180, 9-1-59, Cl. 214-82.

Smith, Lloyd B. Apparatus for cutting strand material. 2,905,111, 9-22-59, Cl. 107-21.

Smith, Louis E., Jr. Sonic radio link wave height meter. 2,869,108, 1-13-59, Cl. 340-2.

Smith, Louis R., to Thompson Ramo Wooldridge, Inc. Seal assembly. 2,919,148, 12-29-59, Cl. 286-11.

Smith, Lucian B., to General Motors Corp. Fuel pump with magnet. 2,889,782, 6-9-59, Cl. 103-150.

Smith, Lucius N. Floating boat dock. 2,885,987, 5-12-59, Cl. 114-5.

Smith, Malcolm K., to The Baker Castor Oil Co. Production of mono-esters. 2,902,500, 9-1-59, Cl. 260-410.6.

Smith, Marion J. Nesting chairs. 2,874,755, 2-24-59, Cl. 155-2.

Smith, Martin R.: See—  
Bednars, Charles, Smith, and Stanford. 2,881,128.

Patton, James L., and Smith. 2,909,479.

Smith, Martin R., to The M. W. Kellogg Co. Hydrocarbon conversion system. 2,883,335, 4-21-59, Cl. 208-160.

Smith, Martin R., to The M. W. Kellogg Co. Hydrocarbon conversion system. 2,890,168, 6-9-59, Cl. 208-164.

Smith, Martin T., Jr.: See—  
Reed, Thomas B., and Smith. 2,898,441.

Smith, Marvin A., Control mechanism for multiple engines. 2,916,885, 12-15-59, Cl. 60-97.

Smith, Milton P., and H. F. Latva, to The Bunting Brass and Bronze Co. Process of preparing porous sintered metal parts for metal plating. 2,897,097, 7-28-59, Cl. 117-102.

Smith, Minot F., to Underwood Machinery Co. Road sanding machine. 2,907,482, 10-6-59, Cl. 214-83.

Smith, Monroe F.: See—  
Marand, Myron P., Gschwend, and Smith. 2,869,722.

Smith, Murry V.: See—  
Holles, Clinton R., and Smith. 2,913,797.

Smith, Nathan R.: See—  
Crownover, Joseph W., and Smith. 2,895,081.

Smith, Nathan R., and N. J. Rosen, to Chicago Telephone of California, Inc. Embedded coil and method of manufacturing. 2,914,600, 11-24-59, Cl. 174-52.

Smith, Nester F., to Ithaca Gun Co., Inc. Detent. 2,882,634, 4-21-59, Cl. 42-16.

Smith, Orville J.: See—  
Phillips, Bruce B., and Smith. 2,899,877.

Smith, Orville R.: See—  
Carter, Daniel H., and Smith. 2,914,725.

Smith, Orville R., and C. E. Reesby, to Wellex, Inc. Well logging device. 2,899,633, 8-11-59, Cl. 324-10.

Smith, Paul, and A. J. Surprise calendars. 2,914,871, 12-1-59, Cl. 40-107.

Smith, Paul C., to Micro Machine Works, Inc. Adjustable tap means for variable resistance device. 2,901,719, 8-25-59, Cl. 338-135.

Smith, Paul F., to Parker-Hannifin Corp. Extreme temperature sealing device. 2,914,350, 11-24-59, Cl. 288-32.

Smith, Paul L.: See—  
Peterson, Thorvald K., and Smith. 2,918,183.

Smith, Paul L., and A. L. Boyes, to Union Carbide Corp. Concentrated fruit juice and method. 2,911,308, 11-3-59, Cl. 99-186.

Smith, Paul V., Jr.: See—  
Cottle, Delmer L., Young, Morway, and Smith. 2,874,192.

Smith, Perrin F., to International Business Machines Corp. Data reading machine. 2,906,819, 9-29-59, Cl. 178-17.

Smith, Peter A., to Fisher Governor Co. Filler valve construction. 2,886,052, 5-12-59, Cl. 137-109.

Smith, Peter A., and P. L. Johnson, to Fisher Governor Co. Excess flow valve with keeper means. 2,886,054, 5-12-59, Cl. 137-316.

Smith, Peter A., and Johnson, Philip L., to Fisher Governor Co. Lock type excess flow valve. 2,886,061, 5-12-59, Cl. 137-517.

Smith, Peter C. Resilient locking coupling. 2,871,046, 1-27-59, Cl. 287-103.

Smith, Peter C. Fishing lure and couplings. 2,884,733, 5-5-59, Cl. 43-42.38.

Smith, Peter C. Free floating pin. 2,902,304, 9-1-59, Cl. 287-103.

Smith, Philip: See—  
Smith, Philip. Battery powered disk type lawn mower. Re. 24,594, 1-27-59, Cl. 56-25.4.

Smith, Philip. Battery powered disk type lawn mower. 2,909,885, 10-27-59, Cl. 56-25.4.

Smith, Philip. Battery powered outboard motor. 2,919,392, 12-29-59, Cl. 318-247.

Smith, Philip N.: See—  
Hicks, John W., Jr., and Smith. 2,878,636.

Smith, Philip N., to Deering Milliken Research Corp. Transversing arrangement. 2,911,835, 11-10-59, Cl. 74-37.

Smith, Philip P. Machine for cleaning rugs and the like. 2,910,720, 11-3-59, Cl. 15-320.

Smith, Philip S., to Smith Dieterich Corp. Multi-camera image-production and control. 2,896,503, 7-28-59, Cl. 88-16.6.

Smith, Philip S., to Smith-Dieterich Corp. Image-producing lens system and control. 2,918,842, 12-29-59, Cl. 88-16.6.

Smith, Philip S., to Smith-Dieterich Corp. System for mosaic cinematography. 2,918,843, 12-29-59, Cl. 88-16.6.

Smith, Philip W. Fire detection and alarm systems. 2,889,798, 6-9-59, Cl. 116-103.

Smith, Phillip H., to Inland Steel Co. Gun nozzle for adding lead pellets to liquid steel. 2,893,716, 7-7-59, Cl. 266-34.

Smith, Ralph D., R. B. Swan, and K. F. Finlay, to Northrop Aircraft, Inc. Heat exchanger. 2,871,678, 2-3-59, Cl. 62-440.

Smith, Ralph E., F. W. Hannum, and W. M. Booth, to Gardner-Denver Co. Combination air hose and tool balancer. 2,905,194, 9-22-59, Cl. 137-561.

Smith, Ralph H., to Owens-Illinois Glass Co. Vacuum chuck. 2,895,739, 7-21-59, Cl. 279-3.

Smith, Ralph T. Combination head latch and chute gate. 2,895,451, 7-21-59, Cl. 119-99.

Smith, Ramsey. Deep well chain saw. 2,890,858, 6-16-59, Cl. 255-1.

Smith, Randall D., to The Firestone Tire & Rubber Co. Method of making an air spring. 2,874,458, 2-24-59, Cl. 29-436.

Smith, Ray M.: See—  
McElroy, Robert K., and Smith. 2,876,605.

Smith, Raymond. Solder feeding attachment for a soldering iron. 2,875,719, 3-3-59, Cl. 113-109.

Smith, Raymond, to United States Steel Corp. Method of producing transformation hardenable stainless steel and articles produced therefrom. 2,894,867, 7-14-59, Cl. 148-21.55.

Smith, Raymond A., H. H. McClure, and G. C. Bond, to The Dow Chemical Co. Recovery of ammonia and hydrogen cyanide from gaseous mixtures. 2,899,274, 8-11-59, Cl. 23-151.

Smith, Raymond E., to The A. C. Gilbert Co. Axial flow fan with variable direction of oscillating range. 2,900,127, 8-18-59, Cl. 230-256.

Smith, Raymond E., and W. R., and J. J. Baltrush, Jr., to The A. C. Gilbert Co. Current rectified signalling system. 2,905,102, 9-22-59, Cl. 104-150.

Smith, Richard: See—  
Tolomeo, Albert J., Di Battista, and Smith. 2,880,810.

Smith, Richard E., to Bendix Aviation Corp. Reversible engine starter gearing. 2,907,216, 10-6-59, Cl. 74-7.

Smith, Richard E., to Bendix Aviation Corp. Mesh-enforcing means for engine starter gearing. 2,909,932, 10-27-59, Cl. 74-6.

Smith, Richard F.: See—  
Chapin, Earl C., and Smith. 2,894,938.

Chapin, Earl C., and Smith. 2,897,174.

Chapin, Earl C., and Smith. 2,899,404.

Chapin, Earl C., and Smith. 2,900,359.

Smith, Richard G. Animated toy freight handling truck. 2,876,584, 3-10-59, Cl. 46-40.

Smith, Richard T. Reflector for lamps. 2,907,873, 10-6-59, Cl. 240-103.

Smith, Richmond W., to Bird Machine Co. Cleaning and conditioning device. 2,905,241, 9-22-59, Cl. 162-279.

Smith, Robert B. Appliance for floating the human body in water. 2,894,271, 7-14-59, Cl. 9-17.

Smith, Robert B., and C. H. Evans, to Eastman Kodak Co. Recording of color television programs. 2,912,488, 11-10-59, Cl. 178-5.4.

Smith, Robert C.: See—  
Tolley, Willis B., and Smith. 2,917,360.



- Smith, Robert D., to The Yale & Towne Mfg. Co. Changeable tumbler for a combination lock. 2,894,387, 7-14-59, Cl. 70-323.
- Smith, Robert F., to General Motors Corp. Luminous ceiling. 2,913,571, 11-17-59, Cl. 240-9.
- Smith, Robert H., to Jones & Laughlin Steel Corp. Electrode for electrocleaning apparatus. 2,909,474, 10-20-59, Cl. 204-206.
- Smith, Robert K.: See—
- Bickford, Fred A., and Smith. 2,887,394.
- Smith, Robert L., Seeder, fertilizer and tiller combine. 2,914,006, 11-24-59, Cl. 111-67.
- Smith, Robert L., and H. S. Hemstreet, to Link Aviation, Inc. Cathode ray tube display for grounded aircraft trainer. 2,890,528, 6-16-59, Cl. 35-12.
- Smith, Robert M., to The Dow Chemical Co. Polyepichlorohydrin bis (2,3-carbonatopropyl ether). 2,891,073, 6-16-59, Cl. 260-340.2.
- Smith, Robert M., to The Dow Chemical Co. Preparation of alkali metal isethionates. 2,899,461, 8-11-59, Cl. 260-513.
- Smith, Robert M., Motive power units for model railroads. 2,903,974, 9-15-59, Cl. 105-101.
- Smith, Robert P.: See—
- Hawk, Le Roy R., Eolkin, Smith, and Tambini. 2,908,577.
- Smith, Robert S., Molding method. 2,869,215, 1-20-59, Cl. 25-156.
- Smith, Robert S., J. S. Eggenberger, and K. B. Scow, to International Business Machines Corp. Stress relieved thin magnetic films. 2,907,680, 10-6-59, Cl. 117-71.
- Smith, Robert T., Jr.: See—
- Montgolf, Earl E., Smith, and Hudson. 2,903,934.
- Smith, Robert V., to Raytheon Co. Microwave ovens. 2,910,566, 10-27-59, Cl. 219-10.55.
- Smith, Robert W.: See—
- Layton, William B., Jr., Miller, and Smith. 2,873,875.
- Smith, Robert W., to General Motors Corp. High energy electrical lead-in. 2,867,683, 1-6-59, Cl. 174-132.
- Smith, Robert W., and M. B. Wilcox, to Aladdin Mfg. Co. Beverage holder. 2,893,675, 7-7-59, Cl. 248-223.
- Smith, Robert W., and R. A. Vaughan, to Dresser Industries, Inc. Elevator platform leveling system. 2,895,568, 7-21-59, Cl. 187-76.
- Smith, Roland W., and A. Rose, to Radio Corp. of America. Electric contacts. 2,916,810, 12-15-59, Cl. 29-195.
- Smith, Rollin P., and D. E. Babcock, to R-N Corp. Method for reducing metal ores. 2,877,108, 3-10-59, Cl. 75-36.
- Smith, Ronald C.: See—
- Graham, Peter E., and Smith. 2,897,066.
- Smith, Roy E., to Owens-Corning Fiberglass Corp. Winding mandrel for packaging glass strands. 2,891,798, 6-23-59, Cl. 279-2.
- Smith, Roy J.: See—
- Doty, Charles R., and Smith. 2,884,064.
- Smith, Roy W., Bottom unloading harvest storage unit. 2,890,804, 6-16-59, Cl. 214-17.
- Smith, Rudolph B.: See—
- Bethea, Malcolm, and Smith. 2,885,653.
- Smith, Russell M., to General Electric Co. Static excitation generator system. 2,883,608, 4-21-59, Cl. 322-25.
- Smith, S. & Sons (England) Ltd.: See—
- Flumm, Paul. 2,899,509.
- Smith, S. R. Co., Inc.: See—
- Smith, Samuel B., and Dupont. 2,882,052.
- Smith, Samuel H., to Jantzen Inc. Sun bra. 2,869,552, 1-20-59, Cl. 129-456.
- Smith, Samuel R., and R. E. Dupont, to S. R. Smith Co., Inc. Diving board support. 2,882,052, 4-14-59, Cl. 272-66.
- Smith, Serine F. Mop shaker. 2,873,468, 2-17-59, Cl. 15-311.
- Smith, Sidney C.: See—
- Jenings, Sheldon V., and Smith. 2,868,940.
- Smith, Sidney L., to The Unit Superheater and Pipe Co. Ltd. Heat exchangers and particularly steam superheaters. 2,891,521, 6-23-59, Cl. 122-235.
- Smith, Sidney R., Jr.: See—
- Nichols, Frank S., and Smith. 2,879,323.
- Smith, Sidney R., Jr., and F. J. Charewicz, to General Electric Co. Switch stick mounted load break. 2,890,313, 6-9-59, Cl. 200-148.
- Smith, Sidney T., to Hughes Aircraft Co. Multicolor storage tube. 2,910,617, 10-27-59, Cl. 315-12.
- Smith, Stanley F.: See—
- Thomas, Reginald J., and Smith. 2,881,669.
- Smith, Stanley F., and H. L. Gower. Rotary cutter heads. 2,917,091, 12-15-59, Cl. 144-230.
- Smith, Stanley H.: See—
- Lewis, Alfred A., and Smith. 2,905,132.
- Smith, Stanley W., and C. M. Sperazz, Sr., to Bell Aircraft Corp. Jet propelled airplane with jet diverter. 2,879,014, 3-24-59, Cl. 244-12.
- Smith, Stanton B., and A. J. Juhola, to Pittsburgh Coke & Chemical Co. Filter material. 2,882,997, 4-21-59, Cl. 183-44.
- Smith, Sydney E.: See—
- Kessler, William J., Smith, and Hersperger. 2,883,663.
- Smith, T. & H., Ltd.: See—
- Johnston, Robert G., and Spencer. 2,903,394.
- Smith, T. L., Co., The: See—
- Broberg, Leonard E. 2,884,235.
- Broberg, Leonard E. 2,902,268.
- Broberg, Leonard E. 2,904,318.
- Smith, Telford L., and P. G. Dunmire. Sleeve type pipe coupling having sheet metal followers. 2,901,274, 8-25-59, Cl. 285-341.
- Smith, Thomas A. Floating prefabricated boat house. 2,887,975, 5-26-59, Cl. 114-5.
- Smith, Thomas A., to United States of America, Navy. Quick disconnect device for dial illuminator. 2,891,230, 6-16-59, Cl. 339-17.
- Smith, Thomas R., to The Maytag Co. Single rotary tub construction for washing machines. 2,872,801, 2-10-59, Cl. 68-23.
- Smith, Thomas R., to The Maytag Co. Washer and spin drier tub assembly. 2,880,873, 4-7-59, Cl. 210-147.
- Smith, Thomas R., to The Maytag Co. Unitary tub washer-drier. 2,893,135, 7-7-59, Cl. 34-75.
- Smith, Thomas R., to The Maytag Co. Suds saving system for washing machine. 2,894,384, 7-14-59, Cl. 68-12.
- Smith, Thomas R., to The Maytag Co. Variable liquid level control. 2,899,817, 8-18-59, Cl. 68-133.
- Smith, Thomas R., to The Maytag Co. Sediment removal device. 2,900,812, 8-25-59, Cl. 68-23.
- Smith, Thomas R., to The Maytag Co. Tub seal and bearing structure. 2,901,294, 8-25-59, Cl. 308-36.1.
- Smith, Thomas R., to The Maytag Co. Time control for automatic washers. 2,915,120, 12-1-59, Cl. 161-1.
- Smith, Thomas R., to The Maytag Co. Control means for spring clutch drives. 2,915,158, 12-1-59, Cl. 192-81.
- Smith, Thomas R., W. Jamieson, and A. E. Meyers. Device for sharpening writing instruments. 2,876,741, 3-10-59, Cl. 120-90.
- Smith, Thomas R., and W. F. Scott, to The Maytag Co. Variable liquid level control. 2,899,818, 8-18-59, Cl. 68-207.
- Smith, Traver J.: See—
- Magnuson, Roy M., and Smith. 2,880,986.
- Magnuson, Roy M., and Smith. 2,910,393.
- Smith, Vene C., to The Eagle Lock and Screw Co. Locking device. 2,878,663, 3-24-59, Cl. 70-14.
- Smith, Verity C., to Barnstead Still and Sterilizer Co. Fluid-handling apparatus. 2,876,791, 3-10-59, Cl. 137-315.
- Smith, Vernon L., and H. K. Carstensen, to United States of America, Atomic Energy Commission. Time calibrated oscilloscope sweep circuit. 2,914,697, 11-24-59, Cl. 315-26.
- Smith, Wilgo N.: See—
- Brasington, Samuel M., and Smith. 2,875,342.
- Smith, Vigor C., to Auto Parks, Inc. One-way road-block for automobile entrance or exit driveways to or from drive-in theatres, parking areas and the like. 2,918,740, 12-29-59, Cl. 59-5.
- Smith, Walter F., to Imperial Chemical Industries Ltd. Manufacture of polyvinyl chloride compositions. 2,917,472, 12-15-59, Cl. 260-2.5.
- Smith, Walter H. B. Firing mechanism with a single spring for the hammer, hammer catch means and trigger. 2,894,346, 7-14-59, Cl. 42-69.
- Smith, Walter J.: See—
- Spohn, James E., and Smith. 2,875,019.
- Smith, Walter J., to The Firestone Tire & Rubber Co. Spinners filter pack. 2,904,828, 9-22-59, Cl. 18-8.
- Smith, Walter S. J.: See—
- Rypinski, Albert B., Smith, Brunner, and Laverty. 2,890,306.
- Smith, Warren L.: See—
- Potts, Mack F., Smith, and Hudson. 2,887,490.
- Smith, Warren L., M. F. Potts, and P. S. Hudson, to Phillips Petroleum Co. Stabilization of certain alkenyl pyridines. 2,874,159, 2-17-59, Cl. 260-290.
- Smith, Watt V. Low friction laminated phenolic bearing materials. 2,919,219, 12-29-59, Cl. 154-125.
- Smith, Webster D. Thermostats. 2,889,430, 6-2-59, Cl. 200-138.
- Smith, Wesley L. Aircraft flight instrument. 2,892,180, 6-23-59, Cl. 340-27.
- Smith and Wesson Inc.: See—
- Hellstrom, Douglas R. 2,916,844.
- Norman, Joseph W. 2,871,604.
- Norman, Joseph W. 2,887,810.
- Smith, Wilbur R. Electrical outlet for three-prong locking plugs. 2,872,654, 2-8-59, Cl. 339-14.
- Smith, William, to Gadget-Of-The-Month Club, Inc. Triple-circuit rocker or toggle switch. 2,882,357, 4-14-59, Cl. 200-5.
- Smith, William A., C. W. Abernethy, and J. M. Downey, to American Metal Climax, Inc. Concentration of potash ores containing sylvite. 2,919,026, 12-29-59, Cl. 209-167.
- Smith, William C.: See—
- Muettetries, Earl L., Phillips, and Smith. 2,897,055.
- Smith, William C., to E. I. du Pont de Nemours and Co. Preparation of uranium fluorides. 2,904,394, 9-15-59, Cl. 23-14.5.
- Smith, William C., to E. I. du Pont de Nemours and Co. Production of inorganic fluorine compounds. 2,904,398, 9-15-59, Cl. 23-88.
- Smith, William C., to E. I. du Pont de Nemours and Co. Preparation of IFa. 2,904,403, 9-15-59, Cl. 23-205.

- Smith, William C., to E. I. du Pont de Nemours and Co. Fluorophosphoranes and their preparations. 2,904,588, 9-15-59, Cl. 260-543.
- Smith, William C., to E. I. du Pont de Nemours and Co. Preparation of sulfur (VI) fluoride and oxyfluorides. 2,907,636, 10-6-59, Cl. 23-203.
- Smith, William E., to Midland-Ross Corp. Electric welding method. 2,903,558, 9-8-59, Cl. 219-74.
- Smith, William H.: See—
- Cotton, Edward A., and Smith. 2,887,350.
- Smith, William H. Boilers. 2,914,039, 11-24-59, Cl. 122-379.
- Smith, William J., to Western Electric Co., Inc. Multiple punch and die sets. 2,873,627, 2-17-59, Cl. 76-107.
- Smith, William J., to The Jeffrey Mfg. Co. Jig. 2,883,053, 4-21-59, Cl. 209-493.
- Smith, William M.: See—
- Lehane, Timothy J., Smith, and Ernst. 2,873,916.
- Smith, William M., Jr.: See—
- Reid, Robert J., Smith, and Werner. 2,905,651.
- Smith, William M., Jr., and C. E. Best, to The Firestone Tire & Rubber Co. Process of extruding vinylidene chloride resin plasticized with an ethylene glycol dibenzoate. 2,875,168, 2-24-59, Cl. 260-31.4.
- Smith, William O. Safety catch for vertically sliding doors. 2,869,183, 1-20-59, Cl. 20-19.
- Smith, William P., Jr.: See—
- Weingrad, Richard H., Ferrara, and Smith. 2,873,642.
- Smith, William R.: See—
- Reed, Hugh W. B., and Smith. 2,872,470.
- Smith, Raymond E., and W. R., and Baltrush. 2,905,102.
- Smith, William R., to American Telephone and Telegraph Co. Teletypewriter testing system. 2,878,306, 3-17-59, Cl. 178-4.
- Smith, William R., to The A. C. Gilbert Co. Toy locomotive sound effects. 2,882,834, 4-21-59, Cl. 104-150.
- Smith, William R., to McDonough Power Equipment, Inc. Wheel driving arrangement for power mowers. 2,893,501, 7-7-59, Cl. 180-19.
- Smith, William W., and I. A. Yamen, to Dust-Tex Corp. Collapsible mop support. 2,901,759, 9-1-59, Cl. 15-147.
- Smith, Willis D., to Electric Steel Foundry, now by change of name to Electric Steel Foundry Co. Dump block assembly. 2,904,906, 9-22-59, Cl. 37-135.
- Smith, Willis R.: See—
- Albrighton, Reginald F., and Smith. 2,916,613.
- Smith, Winthrop C., to Esso Research and Engineering Co. Rubber tire containing butyl rubber, a quinoid compound, and an amido compound, and process of preparing. 2,879,828, 3-31-59, Cl. 152-330.
- Smith, Zeke R., to American Machine & Foundry Co. Electromagnetic relays. 2,917,600, 12-15-59, Cl. 200-87.
- Smithcraft Corp.: See—
- Kruger, Michael H. 2,918,995.
- Smith, F. L., Machine Co., Inc.: See—
- Novick, Abraham. 2,890,631.
- Smithers, Bernard C.: See—
- Orloff, George, and Smithers. 2,876,025.
- Smithers, Lawrence E. Sanitary refuse disposal unit. 2,885,144, 5-5-59, Cl. 232-43.5.
- Smithers, V. L. Mfg. Co., The: See—
- Smithers, Vernon L. 2,891,353.
- Smithers, Vernon L. 2,891,354.
- Smithers, Vernon L., to The V. L. Smithers Mfg. Co. Flower holder. 2,891,353, 6-23-59, Cl. 47-41.
- Smithers, Vernon L., to The V. L. Smithers Mfg. Co. Flower holder with detachable base. 2,891,354, 6-23-59, Cl. 47-41.
- Smithgall, Harry E.: See—
- Kautz, George R., Kuryla, and Smithgall. 2,916,644.
- Smithgall, Harry E., to Sylvania Electric Products Inc. Cathode ray tube apparatus. 2,915,953, 12-8-59, Cl. 95-1.
- Smith-Gorman, Robert J., to Rolls-Royce Ltd. Barrelling and tumbling apparatus. 2,912,800, 11-17-59, Cl. 51-164.
- Smithies, Henry, to E. I. du Pont de Nemours and Co. Process for embossing polyvinyl acetate sheets. 2,904,844, 9-22-59, Cl. 18-57.
- Smith-Johannsen, Robert, to Sonotone Corp. Phonograph pickups. 2,879,413, 3-24-59, Cl. 310-8.2.
- Smith-Johannsen, Robert, to S-J Chemical Co. Compositions and heating elements produced therefrom. 2,891,228, 6-16-59, Cl. 338-262.
- Smiths America Corp.: See—
- Burden, Stanley W., and Meredith. 2,906,127.
- Johnson, Ivan B. 2,908,168.
- Lambura, Alan S. 2,911,010.
- Meredith, Frederick W. 2,907,031.
- Simons, William R. 2,884,787.
- Simons, William R. 2,895,338.
- Smiths Jacking Systems Ltd.: See—
- Reid, Kenneth E. 2,913,876.
- Smithson, Wilmore K. Foldable cage construction. 2,892,562, 6-30-59, Cl. 220-7.
- Smith-Vanis, William R., Jr., to C. G. S. Laboratories, Inc. System using magnetized controllable inductor operated stepwise to control frequency and the like. 2,897,352, 7-28-59, Cl. 250-20.
- Smith-Vanis, William R., Jr., to C.G.S. Laboratories, Inc. Radio receiver in which signal tuned circuits are controlled by remotely tuned local oscillator. 2,907,876, 10-6-59, Cl. 250-20.
- Smithwick, Jack W., and R. B. Ruff, to Intercontinental Mfg. Co., Inc. Dispensing device to deliver single measured volume. 2,887,249, 5-19-59, Cl. 222-63.
- Smiley, Marion L., to Holley Carburetor Co. Accelerating pump vent. 2,879,048, 3-24-59, Cl. 261-34.
- Smits, Clarence W., to Dihydrol Co. Switch operating means. 2,868,904, 1-13-59, Cl. 200-32.
- Smits, John M., and M. J. Sturtevant, to American Telephone and Telegraph Co. Calling station identification circuit. 2,913,526, 11-17-59, Cl. 179-6.6.
- Smits, Wytze B., to Smitsvank, N.V. Low tension surface discharge spark plug. 2,879,426, 3-24-59, Cl. 313-130.
- Smits, Wytze B., to Smitsvank, N.V. Low tension surface discharge spark plug. 2,883,570, 4-21-59, Cl. 313-131.
- Smitsvank, N. V.: See—
- Smits, Wytze B. 2,879,426.
- Smits, Wytze B. 2,883,570.
- Smock, Carl M. Timber tong. 2,886,371, 5-12-59, Cl. 294-111.
- Smock, George E.: See—
- Fricker, Philip J., and Smock. 2,875,503.
- Smolaf, Frantisek, to Meopta, narodni podnik. Centrifugally controlled governor device, more particularly for motion picture camera. 2,872,177, 2-3-59, Cl. 264-16.
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- Smolin, Edwin M., to American Cyanamid Co. Catalyst for preparation of diaryl paraffins. 2,905,729, 9-22-59, Cl. 260-668.
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- Smollinger, Carl W., and R. F. Joy, to Bethlehem Steel Co. Lubricating guide for wire drawing. 2,883,039, 4-21-59, Cl. 205-18.
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- Smoot, John W., and J. J. 2,875,682.
- Smoot, John W., and J. J. Deep fat frying machine. 2,875,682, 3-3-59, Cl. 99-336.
- Smouse, Charles L. Apparatus for charging a refrigerating system with a predetermined amount of refrigerant. 2,896,420, 7-28-59, Cl. 62-125.
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- Smura, Edwin J., to International Business Machines Corp. Convergence current regulator. 2,914,698, 11-24-59, Cl. 315-81.
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- Snap-on Tools Corp.: See—
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- Snell, Leonard S.: See—  
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- Snelling, Leonard C. Bottling machines. 2,870,798, 1-27-59, Cl. 141-48.
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- Snethen, Thomas H., to Watson Mfg. Co., Inc. Record filing and storage equipment. 2,876,057, 3-3-59, Cl. 312-303.
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- Snitzer, Saul, to B-W Footwear Co., Inc. Boot construction. 2,915,835, 12-8-59, Cl. 36-45.
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- Snyder, George S., to The Coca-Cola Co. Rack for cartons. 2,917,180, 12-15-59, Cl. 211-49.
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- Snyder, Martin J. Pipe leakage detector. 2,918,033, 12-22-59, Cl. 116-114.
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- Snyder, Robert H.: See—  
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- Soares, Joaquim P. Marques and similar devices. 2,875,825, 3-3-59, Cl. 160-62.
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- Societe Anonyme des Laboratoires du Dr. Debat: See—  
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Chan, Andre D. H., and Lambert. 2,910,807.  
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Godbillie, Francois. 2,913,999.
- Société Anonyme dite: Generale Thermique-Procédés Brola: *See*—  
Brola, Gabriel. 2,901,032.
- Société Anonyme dite: Geoffroy-Delore: *See*—  
Haugwitz, Otto. 2,886,258.
- Société Anonyme dite: "La Charfa": *See*—  
Augery, Jean, and Boulasset. 2,868,137.
- Société Anonyme dite: Pleyel: *See*—  
Ballet, Leon R. 2,917,962.
- Société Anonyme dite: Pneumatiques & Caoutchouc Manufacture Kleber Colombes: *See*—  
Thibault, Bernard P. 2,911,236.
- Société Anonyme dite: Société Auxiliaire de l'Entreprise "Auxen": *See*—  
Bernad, Jacques J., Novion, and Lablache-Comblat. 2,870,925.
- Société Anonyme dite: Société de Mecanographie Japy: *See*—  
Becker, Philippe. 2,906,387.
- Société Anonyme dite: Société des Grands Travaux de Marseille: *See*—  
Chalos, Marcel. 2,901,799.
- Société Anonyme dite: Société des Produits Chimiques de Bezons: *See*—  
Roussos, Michel, and Bourgeois. 2,897,243.
- Société Anonyme dite: Société Generale Isothermos: *See*—  
Delaplace, René P. 2,913,291.
- Société Anonyme dite: Société Monsavon-L'Oreal: *See*—  
Charle, Roger, and Lantz. 2,904,385.
- Société Anonyme Etablissements Ed. Jaeger: *See*—  
Fauvelot, Pierre E. R. 2,872,601.
- Société Anonyme Etablissements Labinal: *See*—  
Bessière, Pierre E. 2,900,594.
- Société Anonyme Fonderies Chokier: *See*—  
Pinchon, Michel P. A. 2,904,858.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,876,879.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,878,642.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,880,831.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,896,732.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,897,933.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,907,433.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,914,131.
- Société Anonyme Française du Ferodo: *See*—  
Maurice, Jean, and Rist. 2,914,151.
- Société Anonyme Geoffroy-Delore: *See*—  
Haugwitz, Otto. 2,894,737.
- Société Anonyme Geoffroy-Delore: *See*—  
Haugwitz, Otto. 2,911,166.
- Société Anonyme Geoffroy-Delore: *See*—  
Haugwitz, Otto. 2,914,897.
- Société Anonyme Hyperion: *See*—  
De Caumont, Albert S. 2,917,650.
- Société Anonyme Pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva: *See*—  
Delrieu, Pierre. 2,879,427.
- Société Anonyme Pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva: *See*—  
Lemaigre-Voreaux, Pierre. 2,873,217.
- Société Anonyme Pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva: *See*—  
Lemaigre-Voreaux, Pierre. 2,874,325.
- Société Anonyme Pour les Applications de l'Electricité et des Gaz Rares-Etablissements Claude-Paz & Silva: *See*—  
Tailleferre, Henri. 2,873,761.
- Société Anonyme Procédés Sauter: *See*—  
Boegle, Charles. 2,898,739.
- Société Anonyme R. Alkan & Cie: *See*—  
Savarieau, Henri. 2,888,294.
- Société Anonyme Schobesta: *See*—  
Devau, Raymond H. P. 2,881,819.
- Société Anonyme Union Française Commerciale et Industrielle: *See*—  
Webb, Edwin T., and Seemuller. 2,870,223.
- Société Anonyme Usines Emile Henricot: *See*—  
Fobelets, Paul L. 2,876,957.
- Société Auxiliaire d'Industries (Sadi) S. P. R. L.: *See*—  
Georges, Félix. 2,875,601.
- Société Belge de l'Azote et des Produits Chimiques du Marly: *See*—  
Braconier, Frederic F. A., Le Bihan, and Arnould. 2,876,265.
- Société Belge de l'Azote et des Produits Chimiques du Marly: *See*—  
De Rycker, Henry G. E. L., and Mathieu. 2,887,365.
- Société Belge d'Electrochimie, Société Anonyme: *See*—  
Soetaert, Gustave. 2,900,233.
- Société Belge Prat-Daniel, Société Anonyme: *See*—  
Roujot, Léopold A. G. 2,871,973.
- Société Chimiotex: *See*—  
Brepson, Roland. 2,894,386.
- Société Chimique de La Grande Paroisse, Azote et Produits Chimiques: *See*—  
Jean, Marcel. 2,910,350.
- Société Chimique et Routiere de la Gironde: *See*—  
Ceintrey, Marcel. 2,886,458.
- Société Commerciale Eca: *See*—  
Ecary, Charles A. 2,893,248.
- Société d'Appareils de Contrôle et d'Equipeement des Moteurs S.A.C.E.M.: *See*—  
Mennesson, André L. 2,916,204.
- Société d'Application des Gaz, Produits Routiers et Matériaux: *See*—  
Corlet, Gabriel F. 2,890,815.
- Société d'Applications Generales d'Electricité & de Mecanique: *See*—  
Jacob, Raymond, and Masson. 2,894,106.
- Société d'Applications Generales d'Electricité & de Mecanique: *See*—  
Rabeux, Jean, and Jacob. 2,913,799.
- Société d'Applications Generales d'Electricité & de Mecanique: *See*—  
Rabeux, Jean, and Masson. 2,893,439.
- Société d'Applications Generales d'Electricité et de Mecanique S.A.G.E.M.: *See*—  
Augier de Creliers, Bernard. 2,912,865.
- Société de l'Institut de Serotherapie: *See*—  
Maier-Huser, Hans, and Bourillon. 2,894,875.
- Société de Prospection Electrique Procédés Schlumberger: *See*—  
Picard, Maxime F. B. 2,873,804.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries d'Ugine: *See*—  
Lamberton, Jean, and de Lacheisserie. 2,873,237.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Borrel, Marcel, Weiss, and Chatellin. 2,890,101.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Cogniat, Marcel, de Fromont, and Serratrice. 2,896,452.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Fouletier, Louis, and Dassaund. 2,897,064.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Greffé, André. 2,885,280.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Guillemier, Pierre L. E. 2,889,811.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Thermet, Robert, and Parvi. 2,890,250.
- Société d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine: *See*—  
Thermet, Robert, and Parvi. 2,919,296.
- Société d'Electronique et d'Automatisme: *See*—  
Hanlet, Jacques M. N. 2,880,117.
- Société d'Electronique et d'Automatisme: *See*—  
Hanlet, Jacques M. N. 2,883,582.
- Société d'Electronique et d'Automatisme: *See*—  
Hanlet, Jacques M. N. 2,917,442.
- Société d'Electronique et d'Automatisme: *See*—  
Hanlet, Jacques M. N. 2,919,377.
- Société d'Electronique et d'Automatisme: *See*—  
Martin, Jacques E. 2,895,046.
- Société d'Electronique et d'Automatisme: *See*—  
Piel, Gerard J. R., and Dussane. 2,867,380.
- Société d'Electronique et d'Automatisme: *See*—  
Raymond, Francois H., and Albin. 2,901,605.
- Société d'Electronique et d'Automatisme: *See*—  
Raymond, Francois H., Chapouille, and Martin. 2,896,082.
- Société d'Electronique et d'Automatisme: *See*—  
Raymond, Francois H., and Dussane. 2,894,687.
- Société d'Electronique et d'Automatisme: *See*—  
Raymond, Francois H., and Lilland. 2,897,350.
- Société d'Equipements Industriels et Laitiers: *See*—  
Albert, Franz, and Hubner. 2,888,212.
- Société d'Equipements Industriels et Laitiers: *See*—  
Hubner, Gustav, and Albert. 2,888,213.
- Société d'Equipements Industriels et Laitiers: *See*—  
Schneider, Ernst W. 2,889,118.
- Société des Acieries de Longwy (Société Anonyme): *See*—  
Burslein, Eugene M. 2,868,378.
- Société des Agrafes Françaises & d'Articles Metalliques (Société Anonyme): *See*—  
Rigaud, Maurice. 2,888,288.
- Société des Blancs de Zinc de la Mediterranée Eng. Chabaury, Pierre Gindre & Cie: *See*—  
Gregoire, Ferdinand A. A. 2,905,530.
- Société des Forges et Ateliers du Creusot: *See*—  
Bastien, Paul G. 2,895,861.
- Société des Forges et Ateliers du Creusot: *See*—  
Correc, Henri. 2,870,680.
- Société des Forges et Ateliers du Creusot: *See*—  
Fevre, Charles M. 2,897,375.
- Société des Forges et Ateliers du Creusot: *See*—  
Guérin, Jacques C. 2,898,132.
- Société des Forges et Ateliers du Creusot: *See*—  
Lewin, Léon. 2,904,963.
- Société des Forges et Ateliers du Creusot: *See*—  
Nectoux, Henri. 2,905,056.
- Société des Raffineries & Sucreries Soy: *See*—  
Lepoutre, Raymond, and Gautier. 2,894,634.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Bo, Gilbert M., Fournet, Phelisse, and Fichet. 2,884,409.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Chevalier, Pierre J. 2,909,552.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Collardeau, Georges, and Tourniaire. 2,908,602.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Fünke, Albert. 2,887,484.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Gailliot, Paul, and Debarre. 2,898,336.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Gailliot, Paul, and Gaudechon. 2,892,839.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Gailliot, Paul, Robert, and Gaudechon. 2,891,952.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Horclois, Raymond J. 2,902,484.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Horclois, Raymond J. 2,902,485.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Fouché. 2,872,453.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Horclois. 2,882,274.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Horclois. 2,905,668.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., Horclois, and Suau. 2,908,683.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Joseph. 2,916,493.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Regnier. 2,888,459.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Regnier. 2,889,322.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Regnier. 2,894,947.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Regnier. 2,909,521.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Jacob, Robert M., and Robert. 2,877,224.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Lafumas, Paul, and Ceresat. 2,868,804.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Metivier, Jean. 2,877,155.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Metivier, Jean. 2,905,700.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Normant, Henri. 2,916,520.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Normant, Henri, and Perrin. 2,915,566.
- Société des Usines Chimiques Rhone-Poulenc: *See*—  
Partchevsky, Anastasie, and Evieux. 2,891,248.
- Société d'Etude et d'Application Industrielle de Brevets (S.E.A.B.): *See*—  
Aubin, Claude. 2,917,870.
- Société d'Etudes Chimiques Pour l'Industrie et l'Agriculture: *See*—  
Lafont, Jacques. 2,882,128.
- Société d'Etudes Chimiques Pour l'Industrie et l'Agriculture: *See*—  
Lafont, Jacques. 2,900,232.
- Société d'Etudes Chimiques Pour l'Industrie et l'Agriculture: *See*—  
Lafont, Jacques. 2,906,603.
- Société d'Etudes Chimiques Pour l'Industrie et l'Agriculture: *See*—  
Rubin, Maurice, and Hulot. 2,905,529.
- Société d'Etudes, de Gestion et d'Exploitation de Brevets, S. E. G. E. B., Branche & Cie: *See*—  
Blanchi, Guiseppina, and Rose. 2,868,561.
- Société d'Etudes, de Gestion et d'Exploitation de Brevets, S. E. G. E. B., Branche & Cie: *See*—  
Meyer, Robert, and Pillon. 2,870,206.

- Société d'Etudes et de Construction d'Appareils de Sécurité J.R.G.: *See*—  
Faugier, Gabriel. 2,918,136.
- Société d'Etudes et de Participations, Eau, Gaz, Electricité, Energie, S.A.: *See*—  
Huber, Robert. 2,879,640.
- Société d'Etudes et de Participations, Eau, Gaz, Electricité, Energie, S.A.: *See*—  
Huber, Robert. 2,902,255.
- Société d'Etudes et de Participations, Eau, Gaz, Electricité, Energie, S.A.: *See*—  
Huber, Robert. 2,903,599.
- Société d'Etudes et de Participations, Eau, Gaz, Electricité, Energie, S.A.: *See*—  
Huber, Robert. 2,912,964.
- Société d'Etudes et d'Applications Biochimiques: *See*—  
Laboureur, Pierre. 2,897,148.
- Société d'Etudes et d'Applications de Procédés Nouveaux: *See*—  
Tchoubritsch, Michel, and Terroir. 2,899,686.
- Société d'Etudes et d'Applications Industrielles Commerciales et Immobilières "Inter-Technique": *See*—  
Dufresne, Albert L. 2,912,963.
- Société d'Exploitation de Procédés Mécaniques Mecaproder: *See*—  
Ricoeur, Henri L. G. 2,914,127.
- Société d'Exploitation des Plastiques: *See*—  
Thiebaut, Bernard. 2,916,790.
- Société d'Inventions Aéronautiques et Mécaniques S. I. A. M.: *See*—  
Lucien, René. 2,875,861.
- Société d'Inventions Aéronautiques et Mécaniques S. I. A. M.: *See*—  
Lucien, René, and Legros. 2,868,338.
- Société d'Optique et de Mécanique de Haute Précision: *See*—  
Rosier, Raymond. 2,897,724.
- Société du Carburateur Zenith: *See*—  
Demtchenko, Basile. 2,915,976.
- Société en commandite simple et en nom collectif à l'égard de Gerants dite: Société Industrielle et Commerciale des Ouvriers Lunetiers (Cottet, Polchet, Tagnon & Cie): *See*—  
Cretin-Maitenax, Bernard. 2,869,422.
- Société financière d'Expansion Commerciale et Industrielle S.A. "Sindex": *See*—  
Widmer, Hans U. 2,904,879.
- Société Financière et Industrielle pour la fabrication de l'Acide Carbonique Pur et autres Produits alimentaires par abréviation: l'Acide Carbonique Pur: *See*—  
Wel, Pierre. 2,888,276.
- Société Française de Construction d'Appareils Médicaux: *See*—  
Fourès, André G. F., Girard, and De Montard. 2,867,209.
- Société Française de Recherches Biochimiques H. Besson & Cie (Société en commandite par Actions): *See*—  
Debay, André, and Sackur. 2,899,449.
- Société Française Sadir-Carpentier: *See*—  
Zisler, Siegfried, and Dubost. 2,871,472.
- Société Franterre: *See*—  
Augustin, Jean. 2,919,260.
- Société Générale de Construction Electriques et Mécaniques: *See*—  
Deniau, André J. A. 2,875,399.
- Société Générale de Mécanique et de Metallurgie: *See*—  
Du Coudrey, Jacques F. 2,875,661.
- Société Générale d'Electronique: *See*—  
Auphan, Michel. 2,906,637.
- Société Générale d'Electronique: *See*—  
Auphan, Michel. 2,910,532.
- Société Générale d'Instruments de Physique: *See*—  
Koulicovitch, Miron. 2,882,420.
- Société Générale d'Instruments de Physique: *See*—  
Mottu, André. 2,896,462.
- Société Gramme: *See*—  
Trottier, Jean E. 2,887,589.
- Société Industrielle de Liaisons Electriques (S.I.L.E.C.): *See*—  
Malaquin, André. 2,916,280.
- Société Industrielle de Sonobor S.A. Horlogerie Industrielle et Appareils et Instruments Electriques: *See*—  
Müller, Willi. 2,897,384.
- Société Industrielle et Commerciale des Ouvriers Lunetiers (Cottet, Polchet, Tagnon & Cie): *See*—  
Cretin-Maitenax, Bernard. 2,915,856.
- Société Industrielle Générale de Mécanique Appliquée S.I.G.M.A.: *See*—  
Pomper, Victor. 2,886,948.
- Société Jaruz A.G. Chur: *See*—  
Dru, Marcel R. 2,889,043.
- Société Le Carbone-Lorraine: *See*—  
Hilliard, Alfred. 2,887,304.
- Société les Construction Guinard: *See*—  
Mathieu, Francois J. H. 2,870,912.
- Société Luxembourgeoise de Brevets et de Participations Lubrepa: *See*—  
Paulsen, Jean F. 2,893,665.
- Société Marocaine de Recherches, d'Etudes et de Developpements "Somarede": *See*—  
Honore, Etienne, and Torcheux. 2,914,250.
- Société Méditerranéenne Metallurgique Minière et Commerciale: *See*—  
Badin, Ferdinand. 2,895,580.
- Société Nationale de Constructions Aéronautiques du Sud-Ouest: *See*—  
Servanty, Lucien. 2,892,602.
- Société Nationale de Constructions Aéronautiques du Sud-Ouest: *See*—  
Servanty, Lucien. 2,911,618.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Frenzl, Otto. 2,914,941.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Gellin, Paul, and Kadosch. 2,914,916.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Kadosch, Marcel, and Bertin. 2,906,089.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Kadosch, Marcel, Le Foll, Maunoury, and Bertin. 2,868,479.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Kadosch, Marcel, Paris, Bertin, and Marchal. 2,875,578.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Paris, Francois G., Salmon, Mihail, Baraut, and Bertin. 2,878,790.
- Société Nationale d'Etude et de Construction de Moteurs d'Aviation: *See*—  
Richter, Gerhard. 2,914,911.
- Société Nobel Française: *See*—  
Talet, Pierre A. 2,886,557.
- Société Nouvelle Baele-Gangloff: *See*—  
Duhamel, Eugene, and Stephan. 2,903,746.
- Société Nouvelle de Construction de Machines-Outils et d'Outils Procédés C.W.B.: *See*—  
Berthiez, Charles W. 2,897,706.
- Société Nouvelle de Construction de Machines-Outils et d'Outils Procédés C.W.B.: *See*—  
Berthiez, Charles W. 2,912,905.
- Société Nouvelle de l'Outilage R.B.V. et de La Radio-Industrie: *See*—  
Donnay, Jacques R. 2,911,467.
- Société Nouvelle de l'Outilage R.B.V. et de La Radio-Industrie (R.B.V.-R.I.): *See*—  
Ernyel, Herbert, and Simond-Cote. 2,908,753.
- Société Nouvelle de l'Outilage R.B.V. et de La Radio-Industrie (R.B.V.-R.I.): *See*—  
Labin, Edouard. 2,913,620.
- Société Nouvelle de l'Outilage R.B.V. et de La Radio-Industrie (R.B.V.-R.I.): *See*—  
Tarbes, Pierre. 2,875,308.
- Société Nouvelle de l'Outilage R. B. V. et de la Radio-Industrie (R.B.V.-R.I.): *See*—  
Donnay, Jacques R. 2,872,509.
- Société Nouvelle de l'Outilage R. B. V. et de la Radio-Industrie (R.B.V.-R.I.): *See*—  
Donnay, Jacques. 2,875,276.
- Société Nouvelle de l'Outilage R. B. V. et de la Radio-Industrie (R.B.V.-R.I.): *See*—  
Ernyel, Herbert. 2,881,394.
- Société Nouvelle de l'Outilage R. B. V. et de la Radio-Industrie (R.B.V.-R.I.): *See*—  
Feyzeau, André L. A. 2,890,280.
- Société Nouvelle de Tuyaux Flexibles et de Forge (S. N. T. F.): *See*—  
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François, Marcel. 2,879,803.
- Société Nouvelle Diny & Lucas: *See*—  
Crevolier, Marcel. 2,918,009.
- Société Parisienne de Constructions Electromécaniques (S.O.P.A.C.E.M.): *See*—  
Wrobel, Kurt. 2,915,268.
- Société Peugeot & Cie: *See*—  
Dellot, Maurice J. 2,873,735.
- Société Pinus S.A.: *See*—  
Steiner, Maurice. 2,899,709.
- Société Préparation Industrielle des Combustibles: *See*—  
Turpin, Jacques. 2,889,045.
- Société Râteau (Société Anonyme): *See*—  
Anxiomax, René. 2,874,711.
- Société Rhodiaceta: *See*—  
Clerc, André. 2,869,797.
- Société Rhodiaceta: *See*—  
Fleuret, Marcel. 2,898,728.
- Société Rhodiaceta: *See*—  
Guyonnet, Yves H. 2,893,812.
- Société Rhodiaceta: *See*—  
Lepin, Maurice. 2,895,843.
- Société Rhovyl: *See*—  
Calizzano, Pierre. 2,917,775.
- Société Sebac Nouvelle S.A.: *See*—  
Coanda, Henri. 2,907,557.
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Précoul, Michel. 2,897,714.
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 Dobrin, Milton B. 2,882,988.  
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 Fahnestock, Frank C. 2,868,720.  
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- Southworth, Wallace D.: See—
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- Sowa, Frank J., N-myristyl-3-hydroxybutylamines and their salts. 2,874,185, 2-17-59, Cl. 260-501.
- Sowell, Ernest A., R. L. Curtin, B. A. Hall, and B. L. Scallet, to Anheuser-Busch, Inc. Cold swelling starch product. 2,897,086, 7-28-59, Cl. 99-139.
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- Spaeth, Charles P., to E. I. du Pont de Nemours and Co. Process for the preparation of nitro derivatives. 2,883,433, 4-21-59, Cl. 260-644.
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- Spal, John P. Method of and means for increasing the efficiency of internal combustion engines. 2,906,848, 9-29-59, Cl. 219-38.
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- Brandon, Thomas O. 2,882,058.
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- Spangberg, Sven F. A. Railing for stairways. 2,869,829, 1-20-59, Cl. 256-65.
- Spangler, Bernard. Display sign indicia. 2,895,245, 7-21-59, Cl. 40-130.
- Spangler, Earl D., to United States Steel Corp. Apparatus for pulling the end from a coil of strip. 2,880,778, 4-7-59, Cl. 153-15.
- Spangler, Edward O.: See—
- Pollitz, Harold C., Spangler, and Kessler. 2,879,952.
- Spangler, Grant E.: See—
- Estes, James W., and Spangler. 2,870,004.
- Spann, Delroy O., to Delta Tank Mfg. Co. Spherical separator. 2,893,510, 7-7-59, Cl. 183-2.7.
- Spann, Delroy O., to Delta Tank Mfg. Co., Inc. Process vessels. 2,903,088, 9-8-59, Cl. 183-2.7.
- Spann, Delroy O., to Delta Tank Mfg. Co., Inc. Split stream inlets. 2,911,059, 11-3-59, Cl. 183-2.7.
- Spann, Edwin C., and W. G. Copenhaver, to Phillips Petroleum Co. Fractionation column control. 2,881,118, 4-7-59, Cl. 202-160.
- Spannhake, Ernst W., to LeTourneau-Westinghouse Co. Vehicle steering mechanism. 2,907,399, 10-6-59, Cl. 180-79.1.
- Spanos, Nicholas C.: See—
- Jlanas, Alexander G., Dos Passos, Spanos, and Towne. 2,882,643.
- Sparacatron Ltd.: See—
- Fefer, Gregory, Rudoff, and Seed. 2,876,386.
- Sparer, Seno, to American Optical Co. Knife holder clamp for microtome. 2,901,944, 9-1-59, Cl. 88-40.
- Sparkes, Sidney F. Window or door assembly. 2,908,051, 10-13-59, Cl. 20-19.
- Sparklets Ltd.: See—
- Cullender, Henry F. 2,893,259.
- Sparklin, Charles H., to Whirlpool Corp. Speed governor. 2,903,535, 9-8-59, Cl. 200-80.
- Sparks, Earl C., Jr., to United States of America, Navy. Suppressed carrier modulator. 2,883,625, 4-21-59, Cl. 332-44.
- Sparks, Marshall S., Jr., to Phillips Petroleum Co. Analyzer. 2,874,297, 2-17-59, Cl. 250-43.5.
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- Sparks, Marshall S., Jr., to Phillips Petroleum Co. Analyzer and voltage measuring circuit. 2,905,823, 9-22-59, Cl. 250-43.5.
- Sparks, Marshall S., Jr., and T. H. Harp, Jr., to Phillips Petroleum Co. Regulated power supply. 2,900,511, 8-18-59, Cl. 250-43.5.
- Sparks, Thomas, to Monroe Calculating Machine Co. Double ribbon mechanism. 2,902,135, 9-1-59, Cl. 197-153.
- Sparks, Van J. Multiple-ball valve. 2,891,571, 6-23-59, Cl. 137-512.1.
- Sparks, William J., R. E. Clayton, and J. R. Briggs, to Esso Research and Engineering Co. Butyl rubber tire tread compositions, process for preparation and tire containing such composition. 2,884,982, 5-5-59, Cl. 152-330.
- Sparks, William J., and D. W. Young, to Esso Research and Engineering Co. Alcohol-containing gasoline composition. 2,897,067, 7-28-59, Cl. 44-56.
- Spase, Charles B., to Lippe-Rollway Corp. Drive mechanism. 2,872,005, 2-3-59, Cl. 192-104.
- Spase, Charles B., to Lippe-Rollway Corp. Speed limiting torque metering vibration dampening clutch. 2,879,873, 3-31-59, Cl. 192-104.
- Spase, Charles B., to Lippe-Rollway Corp. Friction shoe. 2,913,085, 11-17-59, Cl. 192-107.
- Spath, Catherine M., to Eastman Kodak Co. Antifoggants for reversal color development. 2,899,306, 8-11-59, Cl. 96-56.
- Spatta, George, to Clark Equipment Co. Apparatus and method for handling passengers. 2,885,242, 5-5-59, Cl. 296-28.
- Spatz, Walter B., to Paper Mate Mfg. Co. Retractable mechanism of pinch yoke type. 2,868,170, 1-13-59, Cl. 120-42.03.
- Spatz, Walter B. Marking pencil. 2,907,301, 10-6-59, Cl. 120-9.
- Spaude, Siegfried: See—
- Bernhauer, Konrad, and Spaude. 2,893,989.
- Spaulding, Carl P., to Consolidated Electrodynamics Corp. Electronic switching apparatus. 2,867,723, 1-6-59, Cl. 250-27.
- Spaulding, Carl P., to Datex Corp. Code comparison and control system. 2,909,769, 10-20-59, Cl. 340-347.
- Spaulding, Charles W., and R. A. Pelz, to Westinghouse Electric Corp. Electromagnetic device. 2,883,487, 4-21-59, Cl. 200-87.
- Spaulding, George E., Jr.: See—
- Meyer, Earl W., Jr., and Spaulding. 2,914,693.
- Meyer, Earl W., Jr., and Spaulding. 2,914,695.
- Spaulding, Howard O.: See—
- Koch, Royal G., and Spaulding. 2,869,141.
- Spaniding, Joseph H. Illuminator. 2,877,340, 3-10-59, Cl. 240-3.
- Spaulding, Spencer W., and R. Pressman, to Radio Corp. of America. Code converter. 2,886,241, 5-12-59, Cl. 235-154.
- Speake, George D., M. J. B. Scanlan, and E. Cottam, to Marconi's Wireless Telegraph Co. Ltd. Transmit-receive cells. 2,884,602, 4-28-59, Cl. 333-13.
- Speakman Co.: See—
- Fraser, James, and McLean. 2,906,293.
- Fraser, James, and McLean. 2,910,009.
- McLean, Edward S., and Fraser. 2,889,210.
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- Speakman, Raymond H., to Imperial Chemical Industries Ltd. Melt spinning apparatus. 2,871,511, 2-3-59, Cl. 18-8.
- Spear, Adrian G., Jr.: See—
- Muller, George H., and Spear. 2,908,324.
- Spear, Charles E. Mechanical oscillator. 2,883,867, 4-28-59, Cl. 74-30.
- Spear, Walter A., to Nu-Tone, Inc. Kitchen power unit. 2,868,025, 1-13-59, Cl. 74-16.
- Spearman, Elmer I.: See—
- Alderman, Edwin N., Spearman, and Stout. 2,914,476.

- Spearow, Ralph. Single casing multiple horizon oil production method. 2,871,945, 2-3-59, Cl. 166-52.
- Spearow, Ralph. Multiple horizon simultaneous pressurization and production method. 2,906,336, 9-29-59, Cl. 166-10.
- Spearow, Ralph. Method of cementing unusable boreholes. 2,918,124, 12-22-59, Cl. 166-21.
- Spechler, Daniel S.: See—
- Beeber, Allan R. A., and Spechler. 2,893,896.
- Specht, Edward H.: See—
- Neher, Harry T., Specht, and Kelley. 2,888,480.
- Specht, Lisa M. Beach sheet and anchoring means therefor. 2,907,057, 10-6-59, Cl. 5-344.
- Specht, Klara: See—
- Specht, Max. 2,917,387.
- Specht, Max, deceased, by K. and V. C. Specht, heirs:  $\frac{1}{2}$  to P. O. Tobler, d.b. under the name of Trans-Oceanic. Wax treatment of coffee beans. 2,917,387, 12-15-59, Cl. 99-65.
- Specht, Verena C.: See—
- Specht, Max. 2,917,387.
- Special Engineering Service, Inc.: See—
- Picht, Karl H. R. 2,887,147.
- Special Equipment Co.: See—
- Thompson, Clarence R. 2,868,251.
- Specialties Alimentaires Bourguignonnes (S. A. B.): See—
- Labarre, Maurice. 2,872,705.
- Specialties Development Corp.: See—
- Bagno, Samuel M., and Joerren. 2,867,282.
- Cutsogorge, George A., and Joerren. 2,901,740.
- Joerren, Ernest A., and Scott. 2,868,300.
- Klein, Clifford J. 2,906,928.
- MacIntyre, Ronald, and Sheakley. 2,871,197.
- Mape, Daniel. 2,906,366.
- Masnik, Walter, Romeo, and Zurlo. 2,877,653.
- Nicita, Charles A. 2,916,635.
- Olson, Walter J., Parsons, and Schrank. 2,893,208.
- Peters, Melville J. 2,867,792.
- Seed, Daniel. 2,906,447.
- Spidy, Alexander R. 2,894,658.
- Sylvester, Walter G. 2,906,107.
- Ware, Collin C., Blake, and Demers. 2,899,566.
- Warwick, John. 2,881,988.
- Wentz, Edward A. 2,901,190.
- Young, David H. 2,906,288.
- Specialties, Inc.: See—
- Bucalo, Louis. 2,875,646.
- Lysle, Gordon, and Tuttle. 2,906,399.
- Newton, John C. 2,887,927.
- Tuttle, Clifford M., Brown, and Brasser. 2,880,325.
- Specialty Papers Co., The: See—
- Knowles, Edward R. 2,872,700.
- Knowles, Edward R. 2,913,762.
- Specialty Products Corp.: See—
- Skelly, James J. 2,874,438.
- Speck, John C., Jr. Polychloro-7,8-disubstituted-2,5-dilimino glycoluril for use as an anti-vesicant. 2,885,305, 5-5-59, Cl. 117-121.
- Speck, Willis A., to Westinghouse Electric Corp. Neutral bar assembly. 2,909,757, 10-20-59, Cl. 338-198.
- Speckin, Alfred P., and J. R. Bashor, to United States Drill Head Co. Drill head. 2,884,818, 5-5-59, Cl. 77-22.
- Speckman, William J.: See—
- Tinsman, Jack R. 2,880,430.
- Spector, Baruch,  $\frac{1}{2}$  to N. H. Spector. Mechanical pencil with an automatic feed mechanism. 2,911,945, 11-10-59, Cl. 120-14.1.
- Spector, Marshall L., and R. P. Strang, to General Electric Co. Preparation of diphenylsilanediol. 2,899,453, 8-11-59, Cl. 260-448.2.
- Spector, Novara H.: See—
- Spector, Baruch. 2,911,948.
- Spectralum Corp.: See—
- Zaklin, Paul P. 2,914,986.
- Spedding, Frank H., T. A. Butler, and I. B. Johns, to United States of America, Atomic Energy Commission. Process for separating uranium fission products. 2,877,109, 3-10-59, Cl. 75-84.1.
- Spedding, Frank H., and A. S. Newton, to United States of America, Atomic Energy Commission. Volatile fluoride process for separating plutonium from other materials. 2,882,125, 4-14-59, Cl. 23-14.5.
- Spedding, Frank H., and J. E. Powell, to Iowa State College Research Foundation, Inc. Method of separating nitrogen isotopes by ion-exchange. 2,889,205, 6-2-59, Cl. 23-193.
- Spedding, Frank H., H. A. Wilhelm, and W. H. Keller, to United States of America, Atomic Energy Commission. Thorium-beryllium alloys and method of producing same. 2,903,351, 9-8-59, Cl. 75-122.7.
- Speech Research For The Deaf Ltd.: See—
- Plant, George R. G. 2,915,589.
- Speed, David B., and I. R. Smith, to E. I. du Pont de Nemours and Co. Flux. 2,879,195, 3-24-59, Cl. 148-23.
- Speed Development Co. Ltd.: See—
- Ruffe, William H. 2,894,251.
- Speed, Donald K.: See—
- Hoffman, Howard T., Speed, and Janofsky. 2,893,634.
- Speed Feed Machine Corp.: See—
- Broderston, Neil O. 2,918,885.
- Speed-Park Inc.: See—
- Alimanestiano, Mihai. 2,890,802.
- Alimanestiano, Serban. 2,915,204.
- Speed, William C., and G. M. Sutheim, to Audio Devices, Inc. Production of ferromagnetic iron oxide. 2,900,236, 8-18-59, Cl. 23-200.
- Speed, William C., and G. M. Sutheim, to Audio Devices, Inc. Production of ferromagnetic iron oxide. 2,900,239, 8-18-59, Cl. 23-277.
- Speed-Dee Check Out Systems: See—
- McNeil, Clyde L., and Buck. 2,902,115.
- Speelman, Irving A., to Propper Mfg. Co., Inc. Self-applicable sphymomanometer. 2,869,536, 1-20-59, Cl. 128-2.05.
- Speelman, Irving A., to Propper Mfg. Co., Inc. Sphymomanometer cuffs. 2,896,610, 7-28-59, Cl. 128-2.05.
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- Speer Carbon Co.: See—
- Krellner, Clement H. 2,903,666.
- Krellner, Clement H. 2,907,971.
- McGarvey, Harold J. 2,903,627.
- Speer, John H., Jr., to Hughes Aircraft Co. Free-running relay multivibrator. 2,892,105, 6-23-59, Cl. 307-132.
- Speer, Robert J.: See—
- Barns, Robert L., Dosher, Humphries, Jeanes, Lyon, Perry, Speer, and Earhart. 2,900,343.
- Speer, Walter, to Badische Anilin- & Soda-Fabrik Akt. Production of benzene dicarboxylic acids. 2,883,421, 4-21-59, Cl. 260-524.
- Speers, Stewart W., to American Viscose Corp. Humidifier and control system. 2,906,205, 9-29-59, Cl. 101-416.
- Speese, Daniel S. Compressing device for collapsible paste tubes. 2,874,876, 2-24-59, Cl. 222-102.
- Speese, Daniel S. Adjustable bracket for holding small fixtures. 2,896,895, 7-28-59, Cl. 248-226.
- Speeter, Merrill E., and W. C. Anthony, to The Upjohn Co. Production of certain tryptamines and compounds produced in the process. 2,870,162, 1-20-59, Cl. 260-319.
- Speeter, Merrill E., and R. D. Birkenmeyer, to The Upjohn Co. Alkylaminoalkyl 2,4,6-trimethylbenzamide. 2,901,507, 8-25-59, Cl. 260-558.
- Speh, Herman A., to Burroughs Corp. Electronic checking device. 2,885,146, 5-5-59, Cl. 235-61.11.
- Spehar, John P.: See—
- Finigan, Charles M., and Spehar. 2,884,474.
- Spelcher, Paul L., to The Cyclone Seeder Co., Inc. Mobile broadcast spreader. 2,882,060, 4-14-59, Cl. 275-15.
- Spelcher, William: See—
- Schaffer, Herman W., and Spelcher. 2,894,239.
- Spelcher, William, to General Electric Co. Electric-powered traction wheel. 2,899,005, 8-11-59, Cl. 180-60.
- Speldel Corp.: See—
- Augenstein, Karl C. 2,889,681.
- Augenstein, Karl C., and Levinger. 2,901,895.
- Speldel, Hermann: See—
- Ruthardt, Konrad, and Speldel. 2,890,114.
- Spelden, Edgar F., to The Parkersburg Rig & Reel Co. Pneumatic counterbalance having a control mechanism therefor. 2,900,841, 8-25-59, Cl. 74-589.
- Speller, John L., to Dow Corning Corp. Preparation of organosilicon esters. 2,906,735, 9-29-59, Cl. 260-46.5.
- Speller, John L., Jr., to Dow Corning Corporation. (Cyanosiloxy) alkyl substituted organosilicon compounds. 2,872,435, 2-3-59, Cl. 260-46.5.
- Speight, Eric A.: See—
- Carasso, John L., and Speight. 2,902,419.
- Speight, Francis R.: See—
- Lotarski, Stephen P., and Speight. 2,898,614.
- Spelr, Earl R. Folding adjustable seat tray assembly. 2,878,945, 3-24-59, Cl. 211-88.
- Speth, Karl G.: See—
- Bunzeroth, Adolf, Speth, and Schrewe. 2,895,190.
- Darmann, Otto, Kobusch, and Speth. 2,900,285.
- Speller, Jack B., to United Aircraft Corp. Analogue-to-digital converter. 2,873,440, 2-10-59, Cl. 340-347.
- Speller, Jack B., to United Aircraft Corp. Square wave generator. 2,885,549, 5-5-59, Cl. 250-27.
- Spennard, Le Roy C., to Holmes Electric Protective Co. Local alarm circuit for burglar alarm systems. 2,874,376, 2-17-59, Cl. 340-276.
- Spence, Albert A. Sun visor holder attachment. 2,881,926, 4-14-59, Cl. 211-89.
- Spence, Beatrice M. Therapeutic method and apparatus. 2,911,974, 11-10-59, Cl. 128-293.
- Spence, Hubert L., deceased, by L. S. Spence, executrix, to National Malleable and Steel Castings Co. Method of stabilizing and processing cushioning units. 2,887,770, 5-26-59, Cl. 29-407.
- Spence, John: See—
- Bock, George E., and Spence. 2,870,723.
- Jones, Jean E., and Spence. 2,912,329.
- Spence, John T. D., to The National Standard Co. Ltd. Method of packaging coils of longitudinally extending material. 2,875,561, 3-3-59, Cl. 53-13.
- Spence, Lorna S.: See—
- Spence, Hubert L. 2,887,770.
- Spence, Paulsen. Integral-pilot valve. 2,879,792, 3-31-59, Cl. 137-489.5.
- Spence, Paulsen. Regulating-valve means. 2,881,792, 4-14-59, Cl. 137-489.5.
- Spence, Paulsen. Rotary-stem actuating means. 2,894,399, 7-14-59, Cl. 74-96.
- Spence, Paulsen. Adjustable valve-actuating means. 2,903,012, 9-8-59, Cl. 137-271.



- Spence, Paulsen. Flanged elastomeric sleeve type flexible coupling for pipes. 2,905,488, 9-22-59, Cl. 285-236.
- Spence, Peter, & Sons Ltd.: See—  
Hill, Kenneth M., and Lynskey. 2,890,953.  
Lynskey, Peter J. 2,895,823.
- Spence, Robert: See—  
Nicholls, Cyril M., Wells, and Spence. 2,908,547.
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- Spenceley, Robert M.: See—  
Shaw, William E., Spenceley, and Teetzal. 2,898,187.
- Spencer, Albert B., to General Electric Co. High gloss paint composition comprising a modified aromatic hydrocarbon-aldehyde resin, a pigment, and a tertiary amine, and process of making same. 2,890,192, 6-9-59, Cl. 260-43.
- Spencer, Alvin C. Dispensing device and container therefor. 2,874,877, 2-24-59, Cl. 222-162.
- Spencer, C. Richard, and M. J. Nagy, to Northrop Aircraft, Inc. Perspective drawing kit. 2,876,547, 3-10-59, Cl. 33-77.
- Spencer, Cecil A., to American Cyanamid Co. Toluic acid compositions and diazotization thereof. 2,867,613, 1-6-59, Cl. 260-141.
- Spencer, Charles C.: See—  
Schoch, Thomas J., and Spencer. 2,876,160.
- Spencer, Charles F.: See—  
Gillies, Duncan M., and Spencer. 2,898,848.
- Spencer Chemical Co.: See—  
Bull, Willard C., Cain, Spomer, Finkbeiner, and Hill. 2,911,399.  
Bull, Willard C., Cain, Spomer, Finkbeiner, and Hill. 2,911,400.  
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Francis, William C., and Hopkins. 2,876,218.  
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Thornton, James R., and Marsh. 2,891,069.
- Spencer, Clarence S. Dispensing-cap for containers. 2,889,081, 6-2-59, Cl. 222-153.
- Spencer, Donald B., to Guy F. Atkinson Co. Ladle relining method. 2,894,739, 7-14-59, Cl. 266-43.
- Spencer, Edward G., F. Reggia, J. E. Tompkins, and R. D. Hatcher, to United States of America, Army. Electro-magnetically steered microwave antenna. 2,905,940, 9-22-59, Cl. 343-778.
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- Spencer, Glenn S., to Bendix Aviation Corp. Engine starter gearing. 2,872,823, 2-10-59, Cl. 74-6.
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- Spencer, Gordon R., to Philco Corp. Cathode ray tube gun structure. 2,905,848, 9-22-59, Cl. 313-82.1.
- Spencer, Howard F. Soaking pit cover carriages. 2,892,550, 6-30-59, Cl. 212-4.
- Spencer-Hughes Corp.: See—  
Maynard, Ralph D., Jr. 2,876,899.
- Spencer, Jack O. Replaceable faucet handle. 2,898,776, 8-11-59, Cl. 74-553.
- Spencer, Jessie H., Jr., to General Motors Corp. Evaporator defrosting means. 2,904,968, 9-22-59, Cl. 62-140.
- Spencer, John F. T.: See—  
Haskins, Reginald H., and Spencer. 2,902,409.
- Spencer, Joseph N., to Commercial Solvents Corp. New sedatives and anticonvulsants. 2,902,404, 9-1-59, Cl. 167-65.
- Spencer, Kenneth E. V.: See—  
Johnston, Robert G., and Spencer. 2,903,394.
- Spencer, Leslie G., to Northern Electric Co. Ltd. Wire holding device. 2,890,524, 6-16-59, Cl. 30-124.
- Spencer, Oliver E. Railroad car cushioning mechanism. 2,915,198, 12-1-59, Cl. 213-43.
- Spencer, Paul W.: See—  
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- Spencer, Raymond C.: See—  
Larson, Arthur D., and Spencer. 2,877,534.
- Spencer, Richard W., to Sperry Rand Corp. Stabilization of magnetic amplifiers. 2,881,268, 4-7-59, Cl. 179-171.
- Spencer, Richard W., to Sperry Rand Corp. Inductively reset carrier magnetic amplifier. 2,886,858, 5-12-59, Cl. 179-171.
- Spencer, Robert V., to J. H. Carpenter. Fanning ore concentrator. 2,875,895, 3-3-59, Cl. 209-458.
- Spencer, Rolf E., to Electric & Musical Industries Ltd. Apparatus for sensing the position of a movable element. 2,882,524, 4-14-59, Cl. 340-347.
- Spencer, Rolf E., to Electric & Musical Industries Ltd. Analog computing apparatus to evaluate the rate of change of one variable with respect to another. 2,887,270, 5-19-59, Cl. 235-184.
- Spencer, Rolf E., to Electric & Musical Industries Ltd. Rate measuring servosystem. 2,889,504, 6-2-59, Cl. 318-28.
- Spencer, Rolf E., to Electric & Musical Industries Ltd. Apparatus for converting digital code signals to analogue signals. 2,916,734, 12-8-59, Cl. 340-347.
- Spencer, Rolf E., and R. Voles, to Electric & Musical Industries Ltd. Computing mechanism especially for controlling automatic machine tools. 2,883,110, 4-21-59, Cl. 235-189.
- Spencer, Rolf E., and G. H. Stephenson, to Electric & Musical Industries Ltd. Servo-mechanism function generator utilizing an error voltage. 2,894,685, 7-14-59, Cl. 235-150.
- Spencer, Rolf E., and R. Voles, to Electric & Musical Industries Ltd. Displacement error reducing pattern servosystem. 2,900,586, 8-18-59, Cl. 318-162.
- Spencer, Rolf E., and R. Voles, to Electric & Musical Industries Ltd. Servo mechanisms. 2,900,590, 8-18-59, Cl. 318-448.
- Spencer, Russell W., to North American Aviation, Inc. Chemical taper milling process. 2,881,059, 4-7-59, Cl. 41-42.
- Spencer, Thomas: See—  
Beech, Austin S., and Spencer. 2,879,905.
- Spencer, William A. Coin controlled barrier gate mechanism for vehicles. 2,878,998, 3-24-59, Cl. 235-99.
- Spencer-Smith, John L.: See—  
Matthew, John A., and Spencer-Smith. 2,905,976.
- Spengler, Günter, and G. Lohmann. Grease testing machine. 2,883,855, 4-28-59, Cl. 73-10.
- Spengler, Günter, and H. Hohn, to The Alpha Molykote Corp. Method of preparing lubricative crystalline molybdenum disulfide. 2,892,741, 6-30-59, Cl. 148-624.
- Spengler, Günter, and H. Hohn, to The Alpha Molykote Corp. Method for forming metal sulfide coatings. 2,905,574, 9-22-59, Cl. 117-65.
- Spengler, Herbert, K. Bischoff, and H. Dreiskampf, to Ruhrchemie Akt. Photoelectric apparatus for measuring and remote reading of liquid levels. 2,884,783, 5-5-59, Cl. 73-290.
- Spengler, Ralph A., A. O. Reynolds, and C. W. Snyder; said Reynolds and said Snyder assors. to said Spengler. Method of making plant pots. 2,881,680, 4-14-59, Cl. 92-58.
- Sperazz, Charles M., Sr.: See—  
Smith, Stanley W., and Sperazz. 2,879,014.
- Sperber, Heinrich: See—  
Becke, Friedrich, and Sperber. 2,913,500.
- Sperber, Milton M.: See—  
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- Sperber, Nathan: See—  
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- Sperber, Nathan, to Schering Corp. Blood anticoagulant composition and process. 2,899,358, 8-11-59, Cl. 167-65.
- Spercel, Robert J. Gauge for circular form tools. 2,884,703, 5-5-59, Cl. 33-201.
- Sperlich, Herman A.: See—  
Zebler, Donald D. 2,869,709.
- Sperling, Harold D.: See—  
Lanphere, Gerald B., and Sperling. 2,892,243.
- Sperling, Jacob G., to Emerson Radio & Phonograph Corp. Transistor frequency divider. 2,869,002, 1-13-59, Cl. 307-88.5.
- Sperling, Reuben, to The Ruberoid Co. Process of blending a polyvinyl chloride plastisol with molten coal tar pitch. 2,883,354, 4-21-59, Cl. 260-28.5.
- Spero, George B.: See—  
Lincoln, Frank H., Jr., Schnelder, and Spero. 2,867,631-2,867,638.  
Magerlein, Barney J., and Spero. 2,883,402.  
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- Spero, George B., to The Upjohn Co. Organic compounds and process. 2,881,168, 4-7-59, Cl. 260-239.55.
- Spero, George B., to The Upjohn Co. 6-methyl analogues of cortisone, hydrocortisone and 21-esters thereof. 2,897,217, 7-28-59, Cl. 260-397.45.
- Spero, George B., B. J. Magerlein, W. P. Schnelder, and J. A. Hogg, to The Upjohn Co. 6-fluoro-17a,21-epoxy-1,4-pregnadienes. 2,884,420, 4-28-59, Cl. 260-239.55.
- Spero, John J.: See—  
Marraffino, Leonard L. 2,905,364.  
Marraffino, Leonard L. 2,914,220.  
Marraffino, Leonard L. 2,918,199.
- Spero, John J., to L. L. Marraffino. Device for dispensing striped materials. 2,873,887, 2-17-59, Cl. 222-94.
- Speros, Dimitrios M., to General Electric Co. Cathodes and emissive material therefor. 2,871,196, 1-27-59, Cl. 252-512.
- Sperotto, Giuseppe. Apparatus for the gradual decatizing of fabrics. 2,885,875, 5-12-59, Cl. 68-5.
- Sperow, James A. Gauge clamp for sharpening tools. 2,893,179, 7-7-59, Cl. 51-221.
- Sperri, Frits, and E. Wiberg, to Union Carbide Corp. Methods of preparing esters of orthosilicic acid. 2,909,550, 10-20-59, Cl. 260-448.8.

- Sperry Gyroscope Co. Ltd., The: See—  
Barr, John D. 2,911,833.  
Cotton, Michael B. 2,880,617.  
Glenny, Arthur P. 2,876,967.  
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Harvey, Gilbert N. 2,900,736.  
Jofeh, Marcus L. 2,894,398.  
Sedgfield, Hugh B. 2,888,256.  
Sedgfield, Hugh B. 2,913,907.  
Sedgfield, Hugh B., and Errington. 2,878,006.  
Sedgfield, Hugh B., Jofeh, and Albrecht. 2,869,851.  
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- Sperry, Leonard J., to Globe-Union Inc. High voltage capacitor. 2,892,137, 6-23-59, Cl. 317-242.
- Sperry, Leonard J., to Globe-Union Inc. Plastic tubular trimmer. 2,904,845, 9-22-59, Cl. 18-59.
- Sperry, Paul A. Bow-forming device. 2,884,169, 4-28-59, Cl. 223-46.
- Sperry Products, Inc.: See—  
Cowan, Gerald de G., Laurenson, and Van Hemert. 2,889,514.  
Drake, Harcourt C. 2,900,596.  
Ellon, Herbert A. 2,881,336.  
Henry, Elliott A. 2,883,860.  
Henry, Elliott A. 2,888,824.  
Pahud, Jacques P. 2,888,581.  
Schulze, Harald. 2,873,391.  
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Wilson, Richard A. 2,884,592.
- Sperry Rand Corp.: See—  
Abzug, Malcolm J. 2,884,212.  
Ambrose, Walter J., and Lane. 2,879,670.  
Andeen, Richard E. 2,896,583.  
Artuso, Nicholas F. 2,916,712.  
Aumuller, Edward F. 2,880,616.  
Barney, Kay H., and Greenspan. 2,903,605.  
Beach, Lennox F. 2,886,897.  
Beers, Max L., and Davis. 2,888,219.  
Berkowitz, Bernard. 2,875,439.  
Berky, Richard K. 2,901,899.  
Bernstein, Alfred. 2,883,176.  
Blain, Albert. 2,906,527.  
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Blizard, Robert B. 2,887,783.  
Bonn, Theodore H. 2,907,894.  
Bouchard, John R., and Hammon. 2,878,679.  
Broder, Alan, and Sammls. 2,867,766.  
Brugger, Richard G. 2,915,902.  
Carissimi, Louis C. 2,880,503.  
Carter, Leslie F. 2,887,784.  
Chenery, Peter J., Fagg, and Ross. 2,877,586.  
Chini, Joseph. 2,897,556.  
Cohn, Seymour B. 2,891,190.  
Cohn, Seymour B. 2,918,632.  
Collistra, Walter P. 2,898,690.  
Crosby, Robert L. 2,889,468.  
Crowther, George A. 2,873,067.  
Daniels, Howard L. 2,900,629.  
Danner, Frederick G., and Browne. 2,903,607.  
Davies, Donald A., and Lalli. 2,884,829.  
Dean, Walter N. 2,873,444.  
De Lallo, Louis D. 2,904,744.  
De Stevens, George. 2,882,160.  
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De Stevens, George. 2,905,666.  
De Stevens, George. 2,916,487.  
De Stevens, George. 2,916,488.  
De Stevens, George, and Sprague. 2,892,834.  
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Devot, George C. 2,918,864.  
De Westfelt, Gerard P. 2,918,614.  
Doersam, Charles H., Jr., and King. 2,907,985.  
Duncan, Bobby J. 2,915,713.  
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Eberly, John H. 2,885,232.  
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Eckert, John P., Jr. 2,876,440.  
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Field, Lester M. 2,913,611.  
Frank, Robert L. 2,916,629.  
Frantz, Wilbert P. 2,892,948.  
Fuller, Edward J., and Pate. 2,874,380.  
Garwood, John S. 2,887,782.  
Gehring, Arthur J., Jr., Harrison, and Stowe. 2,915,967.  
Gottlieb, Marvin. 2,909,319.  
Gulemi, Thomas A. 2,898,719.  
Gunn, Donald A., Dean, and Senechal. 2,868,608.  
Hale, John K., and McCarty. 2,906,077.  
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Harris, Louis H. 2,880,635.  
Hecht, Herbert. 2,894,491.  
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Heas, John J., Jr. 2,869,063.  
Hollyday, James H. 2,868,114.  
Huss, Steven J., Wesslund, and Johnson. 2,889,541.  
Jacobson, Robert L., and Deutsch. 2,881,423.  
Jacoby, Marvin. 2,915,966.  
Jessup, John M. 2,880,618.  
Kass, Seymour. 2,906,013.  
Kaufmann, Henry W. 2,913,593.  
Kaufmann, Henry W. 2,913,595.  
Kenyon, David E. 2,884,523.  
Kirk, William A., and Brown. 2,868,253.  
Koch, Earl E., and McCarty. 2,885,015.  
Lally, Philip M. 2,878,412.  
Lang, Albert P. 2,869,454.  
Lanning, Walter C. 2,908,892.  
Lawrence, Joseph D., Jr. 2,901,735.  
Lawrence, Joseph D., Jr. 2,907,000.  
Leavitt, Lionel E. 2,916,653.  
Lipkin, Daniel M. 2,888,637.  
Lipkin, Daniel M. 2,897,294.  
Logan, J. Robert. 2,890,829.  
Lukoff, Herman. 2,891,242.  
Lynch, John J. 2,873,669.  
Marino, Paul J., and Subblondo. 2,879,672.  
Mason, Harry L., and Noble. 2,908,830.  
McBee, Warren D. 2,887,608.  
McCarty, Horace G. 2,892,351.  
McCarty, Horace G. 2,918,774.  
McCarty, Horace G., and Bedke. 2,880,004.  
McCarty, Horace G., and Brikowski. 2,910,816.  
McCarty, Horace G., and Hale. 2,906,076.  
McCully, Robert R., and McDuffie. 2,885,181.  
McKenney, Henry F., and Vercesi. 2,918,618.  
Meyer, Bruce L. 2,904,683.  
Milhanowich, Stanley. 2,917,643.  
Miles, James G., and Kalb. 2,910,238.  
Moreno, Charles A. 2,888,674.  
Murphy, Edward J. 2,880,399.  
Nekola, Joseph F. 2,887,637.  
Newell, William H., Burgess, Zabb, and Frangoulis. 2,888,195.  
Newell, William H., Burgess, Zabb, and Frangoulis. 2,888,203.  
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Nolt, Edwin B. 2,872,772.  
Nolt, Edwin B., and Haupt. 2,897,748.  
Osgood, Harold A., Jr., and Pilcher. 2,892,629.  
Palge, Walter G. 2,869,437.  
Palmer, Winslow. 2,873,445.  
Patrick, James T., and Long. 2,914,291.  
Paul, Israel A., and Greene. 2,875,329.  
Pelle, James S. 2,880,120.  
Petrea, James C. 2,902,805.  
Pettit, Robert H. 2,895,086.  
Porter, Vincent J. 2,910,656.  
Porter, Vincent J., and Naiman. 2,913,680.  
Prager, Irwin A., and Sprague. 2,886,565.  
Procter, Edward C. 2,910,880.  
Proskauer, Richard. 2,905,914.  
Rankin, Donald L. 2,889,322.  
Rider, Paul Z. 2,900,131.  
Rofis, John C. 2,875,418.  
Ross, Philip C. 2,893,002.  
Rowley, Lothair H., and Boehm. 2,906,977.  
Rowley, Lothair H., and Millenbach. 2,902,547.  
Rubens, Sidney M. 2,900,282.  
Rubens, Sidney M., Bergh, and Oberg. 2,892,041.  
Rudmann, Frank J., Jr. 2,905,894.  
Sant Angelo, Michael A. 2,907,939.  
Schmitt, William F. 2,888,667.  
Schremp, Frederick W. 2,919,007.  
Schumacher, Walter B. 2,911,254.  
Sege, Thomas D. 2,916,659.  
Sensenig, Miles L. 2,910,842.  
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Sferrazza, Peter J. 2,875,415.  
Sims, John C., Jr. 2,892,970.  
Slipin, Anatole J. 2,892,309.  
Smith, Charles A. 2,885,231.  
Snodgrass, Reuben P. 2,880,414.  
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Spencer, Richard W. 2,881,268.  
Spencer, Richard W. 2,886,658.  
Sprague, Robert H. 2,892,838.  
Sprague, Robert H. 2,899,430.  
Sprague, Robert H. 2,912,433.  
Steagall, William F. 2,901,635.  
Steagall, William F. 2,911,543.  
Steagall, William F. 2,914,751.  
Stiefel, Rudy C. 2,873,666.  
Stovall, John R., Jr. 2,901,737.  
Talambrass, Robert P. 2,888,560.  
Tear, James D. 2,874,542.  
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 Treffelsen, Donald R., and Schneek. 2,891,742.  
 Tribben, Everett R., and Fingerhood. 2,870,979.  
 Vutz, Wilhelm. 2,880,562.  
 Vutz, Wilhelm. 2,917,889.  
 Vutz, Wilhelm, and Mittenbergs. 2,897,749.  
 Welsh, Herbert F., Schreiner, Mock, and Eckert. 2,901,734.  
 Wesslund, Robert E., Mader, and Johnson. 2,874,372.  
 West, James R. 2,877,664.  
 West, James R. 2,906,393.  
 Whetter, Lloyd A. 2,900,506.  
 Whiteley, Charles A. 2,896,307.  
 Williams, Gerald I. 2,877,451.  
 Williams, Roger B., Jr. 2,871,369.  
 Williams, Warren D. 2,880,181.  
 Willwerth, John H. 2,902,185.  
 Winters, Berl C. 2,888,832.  
 Witten, Arthur L., Jr., Marlon, and Henning.  
 Sperry Rand Corp., Ford Instrument Co. Division: See—  
 Amato, Gaetano T. 2,881,382.  
 Buchhold, Theodor A. 2,897,296.  
 Erb, Theodor. 2,894,210.  
 Essex, Alois B., Garrett, and McKenney. 2,897,466.  
 Garfinkel, Alan R. 2,884,615.  
 Garfinkel, Alan R., and Oken. 2,868,999.  
 Garfinkel, Alan R., Spinelli, and Munt. 2,878,418.  
 Keating, William T., and Richter. 2,911,828.  
 Lustig, Howard E., and Weber. 2,887,552.  
 McKenney, Henry F. 2,873,066.  
 McKenney, Henry F. 2,878,442.  
 McKenney, Henry F., and Keating. 2,878,327.  
 McKenney, Henry F., Seller, and Unold. 2,913,649.  
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 Newell, William H. 2,895,670.  
 Phillips, Edwin J. 2,915,821.  
 Rabin, Richard, and Merl. 2,906,997.  
 Rapport, Sigmund. 2,907,523.  
 Rich, Lewis C., and Rowley. 2,878,435.  
 Richter, Albert. 2,887,882.  
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 Rosenfeld, Azriel, Gross, and Galt. 2,910,910.  
 Rowley, Lothar H. 2,870,417.  
 Schroeder, George F. 2,895,339.  
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 Smith, Charles L., Zimet, and Robinson. 2,886,705.  
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 Young, John, Jr. 2,882,525.  
 Young, John, Jr. 2,892,111.  
 Zabb, Norman J., McKenney, and Newell. 2,873,068.  
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 Sperry, Russell L. Polycarboxylic acids and alkali metal salts thereof from carbohydrates. 2,881,211, 4-7-59, Cl. 260—528.  
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 Speziale, Angelo J., to Monsanto Chemical Co. Polyamides. 2,909,566, 10-20-59, Cl. 260—561.  
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 Spieacchi, Attilio R., to Channing Corp. Anti-friction bearings. 2,914,365, 11-24-59, Cl. 308—187.2.  
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 Spicer, John J., Jr., to Industrial Enterprises, Inc. Push button switch. 2,886,674, 5-12-59, Cl. 200—159.  
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 Gillespie, Russell A. 2,889,588.  
 Gillespie, Russell A. 2,896,248.  
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 Spiecker, Friedrich, to Siemens & Halske, Akt. Automatic telephone system. 2,875,280, 2-24-59, Cl. 179—18.  
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 Spiegel, Maurice L., to La Maur Inc. Sprayable water-free alcoholic polyvinylpyrrolidone hair preparation. 2,871,161, 1-27-59, Cl. 167—87.1.  
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 Spielberg, Arnold M., H. P. Guerber, and L. C. Hobbs, to Radio Corp. of America. System to control inter-message spacing. 2,907,010, 9-29-59, Cl. 340—174.  
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 Spiess, Fred N., to The Regents of the University of California. Frequency modulating accelerometer. 2,917,300, 12-15-59, Cl. 264—1.  
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 Spinelli, John J. Plasterboard construction. 2,879,662, 3-31-59, Cl. 72—124.  
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Sramek, Elmer D., to F. B. Redington Co. Machine for positioning protectors for tubes containing toothpaste and the like. 2,885,847, 5-12-59, Cl. 53-137.  
Sramek, Elmer D., to F. B. Redington Co. Carton unloader. 2,914,323, 11-24-59, Cl. 271-32.  
Sramek, Elmer D., and E. A. Hartbauer, to F. B. Redington Co. Skip feed drive mechanism for a packaging machine. 2,885,844, 5-12-59, Cl. 53-63.  
Staab, George J., and J. P. Fleming, to Sterling Plastics Co. Perpetual calendar. 2,876,569, 3-10-59, Cl. 40-114.  
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Stadt, Harold E.: See—  
Hradel, Joseph B., Stadt, and Muir. 2,892,406.  
Stadt, Harold E., and J. R. Hradel, to The Dow Chemical Co. Detonator head. 2,889,773, 6-9-59, Cl. 102-20.  
Stadt, Richard L., to International Harvester Co. Hydraulic fluid pressure operated device for clutches. 2,885,049, 5-5-59, Cl. 192-91.  
Staak, Julius H., to General Electric Co. Combination starter motor and magneto for internal combustion engines. 2,874,309, 2-17-59, Cl. 290-38.  
Staar, Marcel J. H. Advertising device. 2,909,858, 10-27-59, Cl. 40-106.45.  
Staats, Henry N. Apparatus for detecting and measuring the depth of reinforcing rods. 2,874,349, 2-17-59, Cl. 324-41.  
Staats, James E., to General Electric Co. Automatic temperature control system. 2,892,917, 6-30-59, Cl. 219-20.  
Staats, William A., to The F. E. Myers & Bro. Co. Quick drain device. 2,869,725, 1-20-59, Cl. 210-137.  
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Bevoort, Cornelia, and Baudet. 2,876,281.  
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Kosten, Leendert. 2,904,775.  
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Van Duuren, Hendrik C. A. 2,911,473.  
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Van Duuren, Hendrik C. A. 2,912,499.  
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Stabenau, Robert, to Siemens & Halske Akt. Page printing teletypewriter. 2,887,531, 5-19-59, Cl. 178-25.  
Stabenow, Georg, to La Mont Steam Generators, Inc. Hot liquid or vapor generator. 2,907,306, 10-6-59, Cl. 122-406.  
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Romero, Manuel. 2,870,027.  
Stableford, John L. Picture projection screen and surround. 2,905,053, 9-22-59, Cl. 88-28.9.  
Stabler, Powell W. Paste wax applicator. 2,908,922, 10-20-59, Cl. 15-131.  
Stabryla, Leon. Fish line jerking devices. 2,877,591, 3-17-59, Cl. 43-15.  
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Stacey, Ernest W. 2,869,156.  
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Stachiewicz, Bogdan R., to General Dynamics Corp. Automatic frequency correction in two-way carrier communication systems. 2,871,294, 1-27-59, Cl. 179-15.5.  
Stachiewicz, Bogdan R., to General Dynamics Corp. Automatic frequency correction in suppressed carrier communication systems. 2,871,295, 1-27-59, Cl. 179-15.5.  
Stachiewicz, Bogdan R., to General Dynamics Corp. Frequency band inverting repeater for use in carrier communication systems. 2,908,760, 10-13-59, Cl. 179-15.5.  
Stack, Vernon T., to Hanes Hosiery Mills Co. Stop motion tripper mechanism for knitting machines. 2,884,775, 5-5-59, Cl. 66-163.



- Stackpole Carbon Co.: See—  
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- Stacy, Charles L., Jr., and R. F. Monroe, to The Dow Chemical Co. Polyethylene compositions containing certain ethynyl alcohols. 2,891,036, 6-16-59, Cl. 260-45.95.
- Stacy, Robert G., to The Budd Co. Enclosed dual-disk brakes for vehicles. 2,901,059, 8-25-59, Cl. 188-73.
- Stacy, Thomas F., to The French Oil Mill Machinery Co. Screw press. 2,902,923, 9-8-59, Cl. 100-145.
- Stadden, Richard S. Play hand car with interconnected steering and propelling means. 2,892,638, 6-30-59, Cl. 280-231.
- Stade, Gerhard, to Herbert Lindner, G. m. b. H. Device for adjusting and controlling the position of movable machine parts for example in machine tools. 2,871,716, 2-3-59, Cl. 74-472.
- Stadelman, Frank, to Latendorf Conveying Corp. Apparatus for de-lidding and de-panning bread loaves or the like. 2,886,195, 5-12-59, Cl. 214-308.
- Stadelman, Frank, to Latendorf Conveying Corp. Method of, and apparatus for, de-lidding and de-panning bread loaves or the like. 2,901,135, 8-25-59, Cl. 214-308.
- Stadelman, William J., and M. L. Wilson, to Liqua-Mix, Inc. Composition and method for preserving the quality of shell eggs. 2,876,110, 3-3-59, Cl. 99-170.
- Stadelmann, Rudolf: See—  
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- Stadler, Albert, to Eclipse Fuel Engineering Co. Adjustable proportional mixing burner. 2,877,838, 3-17-59, Cl. 158-118.
- Stadler, Bernle H.: See—  
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Eisenberg, Irwin W., Carlson, Love, Stadler, Costantino, Trammell, and Dibble. 2,916,699.
- Stadler, Henry L., to Bell Telephone Laboratories, Inc. Displacement and speed measuring apparatus. 2,906,953, 9-29-59, Cl. 324-70.
- Stadler, Robert: See—  
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- Stadler, William F. Fish lure equipment. 2,880,545, 4-7-59, Cl. 43-4.
- Staeger, Werner, and R. Schenk, to Firma Kugelfischer George Schaefer & Co. Fuel injection pump. 2,881,705, 4-14-59, Cl. 103-38.
- Staehele, Henry C., and C. K. Tupis, to Eastman Kodak Co. Photomechanical spirit duplicating process. 2,898,852, 8-11-59, Cl. 101-149.4.
- Staeher, Robert E.: See—  
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- Staerck, Thomas H., to English Electric Valve Co. Ltd. Electron gun structure for cathode ray tubes. 2,871,387, 1-27-59, Cl. 313-92.
- Staeuble, Max, and K. Weber, to Ciba Ltd. New dyestuffs of the per-dicarboxylic acid imide series. 2,914,531, 11-24-59, Cl. 260-249.5.
- Staff, Patricia. Transparent plastic shoes. 2,887,792, 5-26-59, Cl. 36-2.5.
- Staffansson, Uno. Ships with improved shiphold arrangement. 2,909,141, 10-20-59, Cl. 114-73.
- Stafford, Stanley E. Clothes hanger. 2,902,173, 9-1-59, Cl. 211-124.
- Staffleno, Arch L.: See—  
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- Staffin, Herbert K.: See—  
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- Staffin, Robert, and R. D. Lohman, to Radio Corp. of America. Signal amplitude quantizer. 2,869,079, 1-13-59, Cl. 332-11.
- Stafford, Alton B. Combination air nozzle. 2,869,573, 1-20-59, Cl. 137-223.
- Stafford, George R.: See—  
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- Stafford, John W., to Fas-Flo Filter Corp. Horizontal leaf filter. 2,885,082, 5-5-59, Cl. 210-334.
- Stafford, Joseph D., Jr., and C. E. Alleman, to Phillips Petroleum Co. Purification of ammonia. 2,905,597, 9-22-59, Cl. 202-40.
- Stafford, Linn T., and W. F. Bernadt, to General Electric Co. Method and apparatus for aligning slotted laminations. 2,896,311, 7-28-59, Cl. 29-153.61.
- Stafford, Neil S., to Food Machinery and Chemical Corp. Valve for fluids or fluidized solids especially for the spouts of bag filling apparatus. 2,874,925, 2-24-59, Cl. 251-61.
- Stafford, Neil S., to Food Machinery and Chemical Corp. Scale especially for bag filling machines. 2,883,140, 4-21-59, Cl. 249-63.
- Stafford, Robert W., to American Cyanamid Co. Lubricant in powder metallurgy. 2,882,589, 4-21-59, Cl. 29-182.
- Stafford, Stephen F. Apparatus for handling fluid materials. 2,895,548, 7-21-59, Cl. 161-7.
- Stafford, Veronica H.: See—  
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- Staffej, Stanley F.: See—  
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- Stageberg, Wilfred E., to Bemis Bro. Bag Co. Manufacture of bags. 2,913,966, 11-24-59, Cl. 93-20.
- Staggers, John O.: See—  
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- Staggs, Jesse D. Time delay relay. 2,904,728, 9-15-59, Cl. 317-178.
- Stagmeyer, Arthur F., to General Foods Corp. Container closure. 2,895,656, 7-21-59, Cl. 222-542.
- Stahl-Armaturen G. m. b. H.: See—  
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- Stahl, Clarence R.: See—  
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- Stahl, Gerald E., to Casco Products Corp. Offset fender guide. 2,871,814, 2-3-59, Cl. 116-28.
- Stahl, Glenn W., to United States of America, Atomic Energy Commission. Method for removing contamination from precipitates. 2,867,500, 1-6-59, Cl. 23-14.5.
- Stahl, Glenn W., to United States of America, Atomic Energy Commission. Enhancing precipitations by applying soluble complex fluorine-containing reagents. 2,886,408, 5-12-59, Cl. 23-14.5.
- Stahl, Horst: See—  
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- Stahl, Leslie W. Workpiece positioning device. 2,884,965, 5-5-59, Cl. 143-174.
- Stahl, Lloyd E., to Woodall Industries, Inc. Head lining assembly. 2,879,105, 3-24-59, Cl. 296-137.
- Stahl, Lloyd E., to Woodall Industries, Inc. Matching and supporting strip for headliner panels. 2,894,298, 7-14-59, Cl. 20-74.
- Stahl, Lloyd E., to Woodall Industries, Inc. Head liner matching and supporting strip. 2,903,298, 9-8-59, Cl. 296-137.
- Stahl, Oscar C., to The Borden Co. Apparatus for coating hose. 2,894,483, 7-14-59, Cl. 118-50.
- Stahl, Richard F., and C. Woolf, to Allied Chemical Corp. Manufacture of 1,1,1,2,4,4,4-heptafluoro-3-monochlorobutene-2. 2,885,449, 5-5-59, Cl. 260-653.4.
- Stahl, Richard F., and C. Woolf, to Allied Chemical Corp. Manufacture of perchlorodifluoropropanes. 2,900,422, 8-18-59, Cl. 260-653.4.
- Stahl, Robert J.: See—  
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- Stahl, Robert J., and F. W. Krueger, to Haisdon Mfg. Co. Paint shaker clamp. 2,901,805, 9-1-59, Cl. 24-250.
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- Stahler, Leonard M.: See—  
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- Stahlhut, Leo G., to Day-Brite Lighting, Inc. Recessed lighting fixture mounting assembly. 2,913,214, 11-17-59, Cl. 248-343.
- Stahmann, John A., to Gladding, McBean & Co. Apparatus for placing a design on a three dimensional porous carrier. 2,904,916, 9-22-59, Cl. 41-1.2.
- Stahmer, Bernhardt. Vertical take off and landing apparatus for use with aircraft. 2,884,633, 4-28-59, Cl. 244-12.
- Stahmer, Bernhardt. Hinging bag content dispenser. 2,903,161, 9-8-59, Cl. 222-81.
- Stahmer, Bernhardt. Upright edge bag support. 2,907,538, 10-6-59, Cl. 248-97.
- Stahmer, Bernhardt. Knock-down pontoon boat. 2,916,748, 12-15-59, Cl. 9-2.
- Stahovec, Joseph L.: See—  
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- Stalb, Ludwig A., Jr., to Bristol-Myers Co. Antacid preparations containing acrylic acid polymers and magnesium antacids. 2,912,358, 11-10-59, Cl. 167-55.
- Stalopoulos, Dimitrios N., to E. I. du Pont de Nemours and Co. Methacrylate resin composition and method of making same. 2,868,760, 1-13-59, Cl. 260-41.
- Stalopoulos, Dimitrios N., to E. I. du Pont de Nemours and Co. Composition comprising methyl methacrylate polymer, Co. Composition comprising methyl methacrylate polymer, a nitrocellulose, reaction product of a bisphenol and a dicarboxylic acid and solvent, process for preparing same and article coated therewith. 2,907,722, 10-6-59, Cl. 260-17.
- Stalger, Kurt, to Stewart-Warner Corp. Sealed coupling for radially and angularly misaligned ducts. 2,879,084, 3-24-59, Cl. 285-165.
- Stainless & Steel Products Co.: See—  
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- Stair, Raymond L., to Gadget-Of-The-Month Club, Inc. Cigarette extinguishing apparatus. 2,871,864, 2-3-59, Cl. 131-256.
- Stal, Henricus P., to North American Phillips Co., Inc. Device for imparting an axial and a rotary movement to a shaft. 2,894,401, 7-14-59, Cl. 74-99.
- Stalder, Theodore R.: See—  
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- Stalego, Charles J., and H. J. Snow, to Owens-Corning Fiberglass Corp. Method and apparatus of forming, processing and assembling fibers. 2,897,874, 8-4-59, Cl. 154-27.

- Staley, A. E. Mfg. Co.: See—  
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- Staley, John, to Reynolds Metals Co. Aluminum anodes. 2,913,384, 11-17-59, Cl. 204-198.
- Staley, John, to Reynolds Metals Co. Strip conductor mechanical connection. 2,918,649, 12-22-59, Cl. 339-276.
- Staley, John, and T. E. Lewis, to Reynolds Metals Co. Insulated strip conductor having end portion folded on controlled radius. 2,879,320, 3-24-59, Cl. 174-75.
- Staley Research and Development Co.: See—  
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- Staley, Saunders S.: See—  
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- Staley, William G., to Staley Research and Development Co. Air line separator. 2,884,089, 4-28-59, Cl. 183-34.
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- Stalker Corp.: See—  
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- Stalker Development Co.: See—  
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- Stalker, Edward A. 2,867,407.
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- Stalker, Edward A. 2,875,948.
- Stalker, Edward A. 2,877,980.
- Stalker, Edward A. 2,880,926.
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- Stalker, Edward A. 2,888,241.
- Stalker, Edward A., to The Stalker Development Co. Axial flow rotor construction of joined parts. 2,867,407, 1-6-59, Cl. 253-39.
- Stalker, Edward A., to The Stalker Development Co. Apparatus including a female die receiving a reciprocating articulated male die for stretch-forming hollow blades. 2,869,611, 1-20-59, Cl. 153-32.
- Stalker, Edward A., to The Stalker Development Co. Bladed wheels of fabricated construction. 2,869,773, 1-20-59, Cl. 230-134.
- Stalker, Edward A. Compressors. 2,870,957, 1-27-59, Cl. 230-122.
- Stalker, Edward A., to The Stalker Development Co. Dampers for bladed wheels. 2,873,946, 2-17-59, Cl. 253-77.
- Stalker, Edward A., to The Stalker Development Co. Thin wall bladed wheels for axial flow machines. 2,875,948, 3-3-59, Cl. 230-134.
- Stalker, Edward A., to The Stalker Development Co. Vibration dampers for gas turbine wheels and the like. 2,877,980, 3-17-59, Cl. 253-77.
- Stalker, Edward A. Cooled turbine blades. 2,879,028, 3-24-59, Cl. 253-39.15.
- Stalker, Edward A., to The Stalker Development Co. Fabricated bladed compressor wheels. 2,880,926, 4-7-59, Cl. 230-134.
- Stalker, Edward A., to The Stalker Development Co. Axial flow bladed rotor construction. 2,880,962, 4-7-59, Cl. 253-39.
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- Stalker, Edward A., to The Stalker Corp. Fluid rotor construction. 2,889,107, 6-2-59, Cl. 230-119.
- Stalker, Edward A., to The Stalker Corp. Process for fabricating hollow blades. 2,889,615, 6-9-59, Cl. 29-156.8.
- Stalker, Edward A., to The Stalker Corp. Fabricated axial flow bladed structures. 2,891,719, 6-23-59, Cl. 220-134.
- Stalker, Edward A. Elastic fluid machine for increasing the pressure of a fluid. 2,895,667, 7-21-59, Cl. 230-120.
- Stallard, Ralph M.: See—  
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- Staller, Karel J., to International Telephone and Telegraph Corp. Methods and apparatus for color coding electric conductors. 2,885,739, 5-12-59, Cl. 18-61.
- Staller, Karel J. Toy cap gun with longitudinally movable actuator. 2,899,766, 8-18-59, Cl. 42-57.
- Staller, Karel J., and E. F. Svec, to Flexigrip Inc. Slider for slide fasteners. 2,867,877, 1-13-59, Cl. 24-201.
- Stallings, Percy S., Jr., to Phillips Petroleum Co. Process and apparatus for purification of crystals. 2,913,344, 11-17-59, Cl. 99-205.
- Stallkamp, Hubert G., to The Babcock & Wilcox Co. Gas recirculation method and automatic apparatus for superheat control. 2,875,736, 8-3-59, Cl. 122-479.
- Stallman, Ralph F. Roller bearing assembly for track layer rollers. 2,915,346, 12-1-59, Cl. 308-210.
- Stallman, Richard C.: See—  
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- Stam, Martinus J., to Rubber-Latex-Poeder-Compagnie N. V. Apparatus for converting liquids, solutions, emulsions, suspensions, and the like into dry powders. 2,875,823, 3-3-59, Cl. 159-4.
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- Stamatoff, Gelu S., to E. I. du Pont de Nemours and Co. Stabilized polymeric 2,3-dichloro-1,3-butadiene. 2,915,495, 12-1-59, Cl. 260-45.7.
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- Stamberger, Andrew, to J. Stone & Co. (Deptford) Ltd. Electromagnetic carbon-pile regulators. 2,872,554, 3-3-59, Cl. 201-51.
- Stamberger, Andrew, to J. Stone & Co. (Deptford) Ltd. Electromagnetic carbon-pile regulators. 2,880,294, 3-31-59, Cl. 201-51.
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- Stamco, Inc.: See—  
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- Stamford Metal Specialty Co., Inc.: See—  
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- Stamm, Joseph S., and W. G. Bennett, to F & G Supply Co. Fire alarm. 2,909,631, 10-20-59, Cl. 200-136.
- Stamm, Robert H., and A. C. Ballauer, to Parsons Corp. Rotor blade having a gap-bonded aft structure and method of fabricating same. 2,884,077, 4-23-59, Cl. 170-159.
- Stamm, Robert H., H. D. Fox, and S. Steed, to Parsons Corp. Rotor blade structure having spanwise reinforcing members. 2,884,078, 4-23-59, Cl. 170-159.
- Stammer, Charles H.: See—  
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- Stamos, Chris, to The United Electric Coal Companies. Suspension means for conveyor belt. Re. 24,611, 2-24-59, Cl. 198-192.
- Stampe, Gerhard K. E. H., to Otto H. Dräger. Dust filter mask. 2,868,196, 1-13-59, Cl. 128-146.
- Stamper, Hamilton A., to Bendix Aviation Corp. Scanning type continuous recording meter. 2,872,273, 2-3-59, Cl. 346-33.
- Stampf, Rudolf A.: See—  
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- Stamps, George M., to Faximile, Inc. Apparatus for outlining contours. 2,896,501, 7-28-59, Cl. 88-14.
- Stanback, Harris I., and R. H. Kingdon, to Square D Co. Circuit breaker. 2,902,560, 9-1-59, Cl. 200-88.
- Stanback, Harris I., and R. H. Kingdon, to Square D Co. Electrical panelboard. 2,902,632, 9-1-59, Cl. 317-119.
- Stanberry, Wallace A., to Gulf Oil Corp. Pump anchor. 2,917,115, 12-15-59, Cl. 166-216.



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Stanley, John C., R. B. Moore, Jr., W. B. Frazier, and C. F. Williams, to Gateway Corp. Automatic hopper fed painting machine. 2,899,930, 8-18-59, Cl. 118-404.  
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- Stanphill, Roy D., to Esso Research and Engineering Co. Method of inhibiting the deposition of formally solid paraffins from a petroliferous fluid containing same. 2,873,253, 2-10-59, Cl. 252-8.55.
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- Stansbury, Harry A., Jr., and H. R. Guest, to Union Carbide Corp. New preparation of 2,5-dimethylcyclopentanone. 2,875,249, 2-24-59, Cl. 260-586.
- Stansbury, Harry A., Jr., and H. F. Lykins, to Union Carbide Corp. Preparation of quinolines. 2,886,563, 5-12-59, Cl. 260-283.
- Stansbury, John G.: See—  
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- Stanton, Austin N. Presentation devices for visual information. 2,872,840, 2-10-59, Cl. 88-1.
- Stanton, Austin N. Bandages. 2,880,863, 4-7-59, Cl. 260-63.2.
- Stanton, Austin N. Fluid density transducers. 2,891,400, 6-23-59, Cl. 73-182.
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- Stapling Machines Co.: See—  
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Peters, Guilford B. 2,893,587.
- Sta-Rite Products, Inc.: See—  
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- Star Recorder Corp. of Denver, The: See—  
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- Starck, Noel L. Safeguard device for automotive electrical systems. 2,904,702, 9-15-59, Cl. 307-10.
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- Staschover, Leo, to Sterling Precision Corp. Single channel frequency resolver. 2,889,516, 6-2-59, Cl. 324-82.
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- Steck, George L. Hand tool for removing dents from sheet metal plates. 2,900,853, 8-25-59, Cl. 81-15.
- Stecker, Herbert C. Toilet detergent composition containing synergistic oil- and tri-ballo salicylanilide mixtures. 2,906,711, 9-29-59, Cl. 252-106.
- Steckhahn, Frank L.: See—
- Hohnstine, Jack T., Versockl, and Steckhahn. 2,894,928.
- Steckle, Charles, Jr.: See—
- Kahl, William D., Jr., and Steckle. 2,919,037.
- Steckler, Robert, F. A. Hessel, and J. Werner, to General Aniline & Film Corp. Liquefied m-phenylenediamine compositions for curing epoxy ether resins. 2,893,973, 7-7-59, Cl. 260-47.
- Steckler, Robert, G. Robinson, and P. Zimles, to General Aniline & Film Corp. Curing agents for epoxy resins. 2,904,530, 9-15-59, Cl. 260-47.
- Stedelin, Jerome J., Jr., and G. A. Seaton. Time-cost computer. 2,913,172, 11-17-59, Cl. 235-618.
- Stedham, Cecil K., to Statham Instruments, Inc. Transducers. 2,907,560, 10-6-59, Cl. 264-1.
- Steding, Arthur: See—
- Hartwig, Heinrich, Steding, and Eldel. 2,872,385.
- Stedman, Cecil K., to Statham Instruments, Inc. Acoustic damper. 2,906,364, 10-20-59, Cl. 264-1.
- Stedman, Cecil K., and F. H. Smith, to United States of America, Navy. Microphone. 2,886,794, 5-12-59, Cl. 340-11.
- Stedman, Cresswell E., to U. S. Acoustics Corp. Mixing apparatus. 2,901,228, 8-25-59, Cl. 259-107.
- Stedt, Harry C. Boom-suspension buckets and the like. 2,877,575, 3-17-59, Cl. 37-182.
- Steed, Robert F. Liquid level gauge. 2,868,016, 1-13-59, Cl. 73-322.
- Steed, Stanley: See—
- Stamm, Robert H., Fox, and Steed. 2,884,078.
- Steed, William P., to Marchant Research, Inc. Decoupled diode gate circuits. 2,867,734, 1-6-59, Cl. 307-88.5.
- Steed, Otho G., to The Lewis Engineering and Mfg. Co. Christmas tree holder. 2,891,747, 6-23-59, Cl. 248-44.
- Steegestra, John R. Inkless electric recorder for indicating instruments. 2,909,403, 10-20-59, Cl. 346-74.
- Steel Co. of Ohio, Inc.: See—
- Barre, Henry J., Radet, and Goodyear. 2,901,960.
- Steel, Floyd G., to Digital Control Systems, Inc. Voted output flip-flop unit. 2,910,584, 10-27-59, Cl. 250-27.
- Steel Heddle Mfg. Co.: See—
- Kasper, Louis. 2,890,516.
- Kaufmann, Frank H. 2,879,806.
- Kaufmann, Frank H. 2,901,004.
- Kaufmann, John J. 2,874,726.
- Kaufmann, John J. 2,896,672.
- Kaufmann, John J. 2,905,264.
- Kaufmann, John J. 2,905,205.
- Kaufmann, John J. 2,909,109.
- Kaufmann, John J. 2,913,013.
- Steel Improvement & Forge Co., The: See—
- Milnes, Aubrey H. 2,900,715.
- Steel Partitions, Inc.: See—
- Millard, Ralph S. 2,914,147.
- Steel Protection and Chemical Co., Inc.: See—
- Howard, Addison M. 2,879,210.
- Steel, Robert N., to United States Rubber Co. Expanded material and method of making same. 2,892,216, 6-30-59, Cl. 18-47.5.
- Steel Shot Producers, Inc.: See—
- Kann, William L. 2,914,593.
- Steel Slides, Inc.: See—
- Meyer, William G., and Manson. 2,895,776.
- Steelcase, Inc.: See—
- Bullock, Earle C. 2,906,574.
- Steel City Electric Co.: See—
- Bickerstaff, George W., Jr. 2,911,242.
- Steele, Alexander C. Push-bar operator for dial telephones. 2,889,413, 6-2-59, Cl. 179-90.
- Steele, Arthur B., to Union Carbide Corp. Process for the production of substituted piperazines. 2,868,791, 1-13-59, Cl. 260-268.
- Steele, Arthur B., to Union Carbide Corp. Preparation of substituted oxazolidones. 2,868,801, 1-13-59, Cl. 260-307.
- Steele, Clarence R.: See—
- Brunliche-Olsen, Henning A., Wright, Price, Steele, and Silver. 2,885,311.

- Steele, Clellie T.: See—
- Hammer, Glen P., and Steele. 2,910,748.
- Steele, Earl P., and W. D. Southworth, to Phillips Petroleum Co. Method of removing carbon monoxide from gaseous mixtures containing carbon dioxide including measuring the carbon dioxide content thereof and actuating operating means responsive to such measurement. 2,890,930, 6-16-59, Cl. 23-2.
- Steele, Floyd G., to Northrop Aircraft, Inc. Tape cam computer system. 2,872,106, 2-3-59, Cl. 235-61.
- Steele, Floyd G. Digital servo. 2,874,343, 2-17-59, Cl. 318-28.
- Steele, Floyd G., to Digital Control Systems, Inc. Computer and indicator system. 2,898,040, 8-4-59, Cl. 235-151.
- Steele, Floyd G., to Digital Control Systems, Inc. Magnetic reading apparatus. 2,898,578, 8-4-59, Cl. 340-174.
- Steele, Floyd G., to Digital Control Systems, Inc. Difunction root extractor circuits. 2,906,457, 9-29-59, Cl. 235-158.
- Steele, Floyd G., to Digital Control Systems, Inc. Single channel transmission system. 2,912,684, 11-10-59, Cl. 340-347.
- Steele, Floyd G., to Digital Control Systems, Inc. Logical gating network. 2,914,681, 11-24-59, Cl. 307-88.5.
- Steele, Floyd G., and W. F. Collison, Northrop Aircraft, Inc. Digital differential analyzer. 2,900,134, 8-18-59, Cl. 235-152.
- Steele, Glen R., to Bathey Mfg. Co. Storage rack construction. 2,893,567, 7-7-59, Cl. 211-147.
- Steele, Harry M., Jr., to The Garrett Corp. Rate gyroscope. 2,902,863, 9-8-59, Cl. 74-5.5.
- Steele, James E.: See—
- Rechtin, Eberhardt C., and Steele. 2,913,880.
- Steele, James R., and S. M. Lounsbury, to Moore and Steele Corp. Rail and flange lubricator. 2,887,179, 5-19-59, Cl. 184-3.
- Steele, James W. Collar supporting device. 2,870,945, 1-27-59, Cl. 223-83.
- Steele, Maurice G. Deodorant dispenser. 2,867,866, 1-13-59, Cl. 21-126.
- Steele, Maurice G. Window heater. 2,868,943, 1-13-59, Cl. 219-34.
- Steele, Richard B., to Air Reduction Co., Inc. Method and apparatus for electric arc welding. 2,906,859, 9-29-59, Cl. 219-130.
- Steele, Richard B., to Air Reduction Co., Inc. Multiple arc welding. 2,906,860, 9-29-59, Cl. 219-135.
- Steele, Richard E.: See—
- Blackburn, Andrew R., and Steele. 2,882,569.
- Steele, Roger C., and G. O. Tast, to Hexcel Products Inc. Pulling means for expanding honeycomb. 2,870,693, 1-27-59, Cl. 93-1.
- Steele, Theodore K.: See—
- Brown, Julius L., Shelley, and Steele. 2,870,712.
- Steele, Vernon P., to Kerco Products Corp. Draft arm. 2,876,042, 3-3-59, Cl. 299-150.
- Steele, Walter: See—
- Christensen, Mandell P., and Steele. 2,917,118.
- Steelman Products Corp.: See—
- Schultz, William L. 2,915,283.
- Steelman, Sanford L.: See—
- Baltes, Bernard J., and Steelman. 2,910,404.
- Steely, Orus C., and I. D. Eyer. Reference service cart. 2,897,910, 8-4-59, Cl. 182-15.
- Steen, Gottfried W., to Machlett Laboratories, Inc. X-ray tubes. 2,886,724, 5-12-59, Cl. 313-32.
- Steen, Harford K., to Interstate Bag Co., Inc. Paper strap and method for making same. 2,896,397, 7-28-59, Cl. 57-154.
- Steen, Walter W.: See—
- May, David E., and Steen. 2,916,744.
- Steen, William E., to A. O. Smith Corp. Fluid meter. 2,911,955, 11-10-59, Cl. 121-90.
- Steenek, Robert, to The Western Union Telegraph Co. Printing telegraph signal normalizer. 2,891,109, 6-16-59, Cl. 178-70.
- Steenhagen, Gerrit: See—
- Umbricht, Emil, Evans, and Steenhagen. 2,906,511.
- Umbricht, Emil, Steenhagen, and Johnson. 2,873,816.
- Steenzen, Alfred P.: See—
- Cushman, Robert W., and Steensen. 2,910,649.
- Steenzen, William. Golf practice game. 2,869,875, 1-20-59, Cl. 273-177.
- Steers, William F., to Glaser-Steers Corp. Cathode ray tube focusing device. 2,880,343, 3-31-59, Cl. 313-84.
- Steeves, George J., to Phillips Petroleum Co. Crude oil centrifuging process. 2,899,373, 8-11-59, Cl. 208-39.
- Stefan, Edwin. Cabinet door molding strip. 2,879,560, 3-31-59, Cl. 20-74.
- Stefaniak, Walter J., to Allied Chemical Corp. Manufacture of fumaric acid. 2,914,559, 11-24-59, Cl. 260-837.
- Stefanik, John E., to Pittsburgh Plate Glass Co. Paste pointing synthetic resinous composition. 2,882,252, 4-14-59, Cl. 260-27.
- Stefanye, David, W. L. Howard, J. W. Brown, and R. L. Weintraub, to United States of America, Army. Acylated 3,6-pyridazinediones. 2,916,491, 12-8-59, Cl. 260-250.
- Steffensen, Percy L., to Bethlehem Steel Co. Pelletizing furnace. 2,918,267, 12-22-59, Cl. 263-29.
- Steffenson, Carl G. Ignition tester. 2,898,546, 8-4-59, Cl. 324-17.
- Steffey, Edmond A. Metal decal. 2,889,233, 6-2-59, Cl. 117-3.1.
- Steffgen, Frederick W.: See—
- Kimberlin, Charles N., Jr., and Steffgen. 2,890,179.
- Steffgen, Frederick W., C. N. Kimberlin, Jr., F. J. Buchmann, and A. Voorbles, Jr., to Esso Research and Engineering Co. Hydroforming process. 2,908,636, 10-13-59, Cl. 208-140.
- Stegeman, Raymond F. E., to Bausch & Lomb Optical Co. Spectacle case. 2,909,276, 10-20-59, Cl. 206-5.
- Stegeman, Wilson. Flexible urinal. 2,875,451, 3-3-59, Cl. 4-119.
- Stegeman, Wilson. Glass slide dispenser. 2,896,821, 7-28-59, Cl. 221-259.
- Stegemann, Werner G., to Rockwell Gesellschaft mit beschränkter Haftung. Method of and arrangement for starting an internal combustion engine. 2,905,163, 9-22-59, Cl. 123-179.
- Stegemeier, Richard J., to Union Oil Co. of California. Temperature recorder. 2,914,947, 12-1-59, Cl. 73-345.
- Steger, Elmer F.: See—
- Joy, Henry M., Horvath, and Steger. 2,911,548.
- Steggeman, Louis B. Grinding machine. 2,911,764, 11-10-59, Cl. 51-106.
- Steghart, Fritz L. F., and P. L. Kershaw, to The Rheostatic Co. Ltd. A-C bridge network for automatic controllers. 2,917,702, 12-15-59, Cl. 323-69.
- Stegler, Richard E., to Republic Aviation Corp. Means for and method of machining metals. 2,908,797, 10-13-59, Cl. 219-69.
- Steglich, Kurt, to Askania-Werke A.G. Photoelectric device, mainly for geodetical and astronomical instruments. 2,917,967, 12-22-59, Cl. 88-1.
- Stegmaier, Raymond L. Safe cabinet locking device. 2,886,392, 5-12-59, Cl. 312-217.
- Stegmaier, Raymond L. Interior file cabinet lock. 2,908,538, 10-13-59, Cl. 312-218.
- Stehlik, Rudolph F., to General Telephone Laboratories, Inc. Multiphone for use in telephone systems. 2,883,472, 4-21-59, Cl. 179-39.
- Stehlik, Rudolph F., to General Telephone Laboratories, Inc. Intercommunicating system. 2,897,285, 7-28-59, Cl. 179-31.
- Stehlin, Theodore A. Prefabricated valve. 2,896,905, 7-28-59, Cl. 251-366.
- Stehling, Chas. H., Co., The: See—
- Bode, Henry W. 2,889,350.
- Stehling, Ralph J. 2,872,932.
- Stehling, Ralph J., to The Chas H. Stehling Co. Apparatus for soaking pasting plates. 2,872,932, 2-10-59, Cl. 134-22.
- Stehn, Everett G.: See—
- Mattimoe, George E., Stehn, and Giannini. 2,903,231.
- Stehr, Joseph E. Bagging machine. 2,867,400, 1-6-59, Cl. 248-161.
- Stelber, Sven I. Wire reeling mechanism. 2,874,918, 2-24-59, Cl. 242-82.
- Stelchele, Joseph, to SKF Kugellagerfabriken Gesellschaft mit beschränkter Haftung. Rollers for drawing mechanisms of textile spinning machines. 2,905,979, 9-29-59, Cl. 19-142.
- Steider, Ralph C. Tool for chipping carbon deposits. 2,880,434, 4-7-59, Cl. 15-89.
- Steldinger, Donald J., to Carco Inc. Mechanism for adhering gummed tape to the top flaps of an envelope assembly in continuous form. 2,895,334, 7-21-59, Cl. 154-1.6.
- Stedler, Virgil K., to Gorman-Rupp Industries, Inc. Adjustable overflow liquid dispensing system. 2,870,941, 1-27-59, Cl. 222-70.
- Stedman, Bernard L., to Owens-Illinois Glass Co. Method of applying glass forming metal borates to surfaces. 2,919,210, 12-29-59, Cl. 117-123.
- Steigerwald, Karl H., to Carl Zeiss. Method for working materials by means of a beam of charged particles. 2,902,583, 9-1-59, Cl. 219-30.
- Steigerwalt, Oliver I.: See—
- Oshry, Howard I., Steigerwalt, and Heibel. 2,912,746.
- Oshry, Howard I., Steigerwalt, and Heibel. 2,912,747.
- Steigerwalt, Oliver I., and H. I. Oshry, to Erie Resistor Corp. Method of making a printed circuit. 2,912,745, 11-17-59, Cl. 29-155.5.
- Steigman, Israel N. Attachment for maintaining synchronism in a film winding apparatus. 2,880,645, 4-7-59, Cl. 88-16.2.
- Steigman, Israel N. Sound picture apparatus. 2,882,788, 4-21-59, Cl. 88-16.2.
- Steigmann, Ernst A.: See—
- Corben, Leo D., and Steigmann. 2,890,215.
- Rosenthal, Harold, Kramer, and Steigmann. 2,886,444.
- Rosenthal, Harold, Kramer, and Steigmann. 2,886,449.
- Rosenthal, Harold, Kramer, Steigmann, and Tole. 2,886,443.
- Rosenthal, Harold, Kramer, Steigmann, and Tole. 2,886,445.
- Steigmann, Ernst A., to General Foods Corp. Dry gelatin-containing dairy products and method of making same. 2,913,341, 11-17-59, Cl. 99-56.
- Steil, Karl-Heinz: See—
- Sennwald, Kurt, Pohl, Vogt, Meiningner, Meyer, Glaser, and Steil. 2,918,141.
- Steimle, Anthony R.: See—
- Szukiewicz, Wacław, Steimle, and Rhodes. 2,898,312.



- Stein, A., & Co.: See—  
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Stein, Alvin, and R. L. Walter, to Monsanto Chemical Co. Process for the suspension polymerization of vinylidene aromatic hydrocarbons having rubbery conjugate 1,3-diene polymers dissolved therein. 2,886,553, 5-12-59, Cl. 260-45.5.  
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Stein, Cabot T. Photo-identification camera. 2,896,522, 7-28-59, Cl. 95-1.1.  
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Stein, Clyde R.: See—  
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Stein, Clyde R., to Crane Co. Ram air cycle machine. 2,916,890, 12-15-59, Cl. 62-133.  
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Stein, Elmer L., to Eye-Beam Displays, Inc. Advertising displays. 2,914,874, 12-1-59, Cl. 40-125.  
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Gewalt, Rudolf, and Stein. 2,899,266.  
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Stein, Isidore H., to Allen B. Dumont Laboratories, Inc. Electrical heating device. 2,899,591, 8-11-59, Cl. 313-337.  
Stein, James H. Method and apparatus for cancelling acceleration noise in a magnetometer. 2,877,407, 3-10-59, Cl. 324-43.  
Stein, James H. Apparatus for cancelling turn and yaw noise in a magnetometer. 2,899,637, 8-11-59, Cl. 324-43.  
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Stein, Philip C., to Koppers Co., Inc. Circumferential shaft seal. 2,908,516, 10-13-59, Cl. 286-22.  
Stein, Richard C. Clam shell dredging device. 2,899,642, 6-9-59, Cl. 37-54.  
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Driemeyer, George F., Travilla, and Stein. 2,908,231.  
Stein, Ruth: See—  
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Stein, Sam. Self-attaching disposable litter bag. 2,894,675, 7-14-59, Cl. 229-53.  
Stein, Samuel F. Garments. 2,883,674, 4-28-59, Cl. 2-269.  
Stein, Sidney J., to International Resistance Co. Method of providing an adherent metal coating on a fluorocarbon resin. 2,872,341, 2-3-59, Cl. 117-47.  
Stein, Stephen. Radioactive source apparatus. 2,872,587, 2-3-59, Cl. 250-106.  
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Steinberg, Morris A., to United States of America, Atomic Energy Commission. Separation process. 2,913,379, 11-17-59, Cl. 204-64.  
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Steinberger, Raymond L. Transducer for underwater sound. 2,906,993, 9-29-59, Cl. 340-10.  
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Steindel, William C. Surveying instrument. 2,916,827, 12-15-59, Cl. 33-74.  
Steindl, John W. Helicopter-airplane. 2,877,964, 3-17-59, Cl. 244-6.  
Steinberger, Giovanni. Device for demagnetizing the magnetized wire of a sound recording and reproducing apparatus. 2,908,768, 10-13-59, Cl. 179-100.2.  
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Steinemann, Willy, to Sandoz A. G. Monoazo dyestuffs and their metal complex compounds. 2,873,268, 2-10-59, Cl. 260-146.  
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Steinen, William F. Draft regulator. 2,904,255, 9-15-59, Cl. 236-45.  
Steiner, Albert M., to Bromo-Mint Co., Inc. Toy dart gun. 2,888,004, 5-26-59, Cl. 124-27.  
Steiner, Donald Z. Carton. 2,900,122, 8-18-59, Cl. 229-29.  
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Steiner, Harry. Girdle. 2,880,733, 4-7-59, Cl. 128-554.  
Steiner, Harry C., to General Electric Co. Temperature responsive arrangement. 2,906,902, 9-29-59, Cl. 313-29.  
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Steiner, Maurice, to Societe Plastus S.A. Process of making blow hollow bodies from plastic materials. 2,899,709, 8-18-59, Cl. 18-55.  
Steiner, Oscar, and R. L. Dalton, to Grafex, Inc. Parallax compensating mechanism for photographic cameras. 2,888,868, 6-2-59, Cl. 95-44.  
Steiner, Phillip F., to International Harvester Co. Reversible pitch engine fan operating mechanism. 2,885,013, 5-5-59, Cl. 170-160.46.  
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Steiner, Robert T., to Northwest Automatic Products Corp. Dispenser timing apparatus. 2,872,075, 2-3-59, Cl. 222-70.  
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Steinhauer, Martin A. Metal fence post leg bending and forming machine. 2,895,528, 7-21-59, Cl. 153-15.

- Steinherz, Hans A., and E. S. Candidus, to National Research Corp. Apparatus for annealing in a high vacuum. 2,890,878, 6-16-59, Cl. 266-3.  
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Steinhoff, Eduard, to Iddier-Werke A.G. Process for the manufacture of fire resistant material containing silicates. 2,889,229, 6-2-59, Cl. 106-37.  
Steinlitz, Kurt. Screenprinting machines. 2,894,450, 7-14-59, Cl. 101-124.  
Steinlitz, Stephan, to Vickers Inc. Magnetic amplifier apparatus. 2,907,947, 10-6-59, Cl. 323-89.  
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Steinke, Carl J., to Zenith Radio Corp. Frequency channel indicator. 2,907,298, 10-6-59, Cl. 116-124.4.  
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Greene, Charles R., and Steinle. 2,892,686.  
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Steinman, Leon, to Litton Industries, Inc. Transistor gates. 2,901,640, 8-25-59, Cl. 307-88.5.  
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Steinmetz, Pearl J., to The H. W. Gossard Co. Brassiere. 2,882,906, 4-21-59, Cl. 128-483.  
Steinmetz, Walter C., to The Jeffrey Mfg. Co. Shaft locking means. 2,873,848, 2-17-59, Cl. 198-232.  
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Stelzer, William. Booster brake mechanism. 2,870,606, 1-27-59, Cl. 60-54.6.  
Stelzer, William. Braking system for elevators. 2,873,009, 2-10-59, Cl. 192-2.  
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Stelzer, William, to Kelsey-Hayes Co. Closed system hydraulic motor. 2,883,970, 4-28-59, Cl. 121-41.  
Stelzer, William. Safety devices for inclined elevators. 2,886,136, 5-12-59, Cl. 187-13.

- Stelzer, William. Letter weighing scales. 2,890,036, 6-9-59, Cl. 265-53.  
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Stelzer, William, and D. T. Ayers, Jr., to Kelsey-Hayes Co. Booster brake mechanism. 2,918,041, 12-22-59, Cl. 121-41.  
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Stengel, Leonard A., to Commercial Solvents Corp. Apparatus for reforming hydrocarbons. 2,894,826, 7-14-59, Cl. 23-288.  
Stenger, August M., to Ingersoll-Rand Co. Compressor. 2,915,241, 12-1-59, Cl. 230-172.  
Stenger, Victor J. Flashlight holder. 2,894,119, 7-7-59, Cl. 240-52.5.  
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Ste Nouvelle de l'Outillage R.B.V. et de La Radio-Industrie: See—  
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Stenstrom, Sten R. Regulating device for braking system in printing presses. 2,876,061, 3-3-59, Cl. 267-75.  
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Stephan, John T. Combination polyglycol and fatty acid defoamer composition. 2,914,412, 11-24-59, Cl. 106-78.  
Stephan, Lawrence F. Locks for sectional davenport. 2,904,101, 9-15-59, Cl. 155-130.  
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- Stephen, William E., to Imperial Chemical Industries Ltd. Monoazo triazine dyestuffs. 2,892,831, 6-30-59, Cl. 260-153.
- Stephens-Adamson Mfg. Co.: See—  
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Sinden, Alfred D. 2,905,101.
- Stephens, Allen J. Hub sealing means. 2,896,979, 7-28-59, Cl. 286-11.
- Stephens, Charles R., Jr.: See—  
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- Stephens, Charles R., Jr., to Chas. Pfizer & Co. Alkyl substituted anhydrotetracycline compounds and process of preparing the same. 2,895,993, 7-21-59, Cl. 260-559.
- Stephens, Clifford A., and R. W. McCandless, to Federal-Mogul-Bower Bearings, Inc. Oil seals. 2,889,163, 6-2-59, Cl. 288-3.
- Stephens, Douglas R.: See—  
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- Stephens, Douglas W. Means for designing and laying out plans for buildings. 2,883,764, 4-28-59, Cl. 35-16.
- Stephens, Joe F., to General Electric Co. Electron discharge device. 2,907,912, 10-6-59, Cl. 313-261.
- Stephens, John A., to Monsanto Chemical Co. Nitrogenous esters. 2,909,553, 10-20-59, Cl. 260-453.
- Stephens, Joseph F., to Gustin-Bacon Mfg. Co. Horizontal belt mat winding machine. 2,880,943, 4-7-59, Cl. 242-67.1.
- Stephens, Lambert L.: See—  
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- Stephens, Melvin E., and W. H. Fisherman's casting float. 2,888,771, 6-2-59, Cl. 43-41.2.
- Stephens, Meredith W., 50% to W. La Rose. Metal cornice. 2,896,559, 7-28-59, Cl. 108-26.
- Stephens, O. D.: See—  
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- Stephens, Richard G., and M. H. Hayes, to Link Aviation, Inc. Digital to analogue converter utilizing a multicathode gas tube. 2,881,418, 4-7-59, Cl. 340-347.
- Stephens, Robert R., to The Monarch Controller Co. Ltd. Pivotaly-mounted mooring hook. 2,896,995, 7-28-59, Cl. 294-83.
- Stephens, Roy M., to Dan River Mills, Inc. Textile silver can. 2,877,505, 3-17-59, Cl. 19-159.
- Stephens, Theodore J. Rotary lawn mower and adjustable grass catcher. 2,882,670, 4-21-59, Cl. 56-194.
- Stephens, William H.: See—  
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- Stephens, William T., to Parker Hannifin Corp. Valve controlled unit for hydraulic motors. 2,868,227, 1-13-59, Cl. 137-622.
- Stephensen, Allan P., and J. Kaufman, to Compco Corp. Lighting fixtures. 2,867,719, 1-6-59, Cl. 240-51.11.
- Stephenson, Carl R., 1/2 to L. Grondo. Easily disassembled bag assemblies. 2,894,480, 7-14-59, Cl. 116-173.
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- Stephenson Corp.: See—  
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- Stephenson, Donald H., and A. L. Jenny, to General Electric Co. Electrolyte for electrolytic capacitors. 2,890,394, 6-9-59, Cl. 317-230.
- Stephenson, Eric P. Beat frequency timer. 2,869,045, 1-13-59, Cl. 317-135.
- Stephenson, Geoffrey H.: See—  
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- Stephenson, Geoffrey H., to Electric & Musical Industries Ltd. Variable linkage transformers. 2,882,483, 4-14-59, Cl. 323-47.
- Stephenson, Helen A. License holder. 2,896,907, 5-19-59, Cl. 40-10.
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- Stephenson, James O.: See—  
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- Stephenson, Joseph D.: See—  
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- Stephenson, Luther. Development of an air controlled approach radar landing system. 2,871,470, 1-27-59, Cl. 343-11.
- Stephenson, Matthias, to Thomas French & Sons Ltd. Electrical heating elements. 2,868,946, 1-13-59, Cl. 219-46.
- Stephenson, Matthias, and J. Sellers, to Thomas French & Sons Ltd. Ladder webbing. 2,897,850, 8-4-59, Cl. 139-384.1.
- Stephenson, Millard A. Method of and apparatus for reconstituting beverages. 2,872,070, 2-3-59, Cl. 222-1.
- Stephenson, Oliver: See—  
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- Stephenson, Orlando W., to Gadget-Of-The-Month Club, Inc. Adjustable core extractor. 2,908,483, 10-13-59, Cl. 255-69.
- Stephenson, Revis L., and W. J. Lee, to United States Hoffman Machinery Corp. Valve structure. 2,898,078, 8-4-59, Cl. 251-5.
- Stephenson, Robert L.: See—  
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- Stephenson, William L., to North American Phillips Co., Inc. Electric circuit arrangement for generating substantially linear voltage changes. 2,916,705, 12-8-59, Cl. 331-111.
- Stepp, Richard D.: See—  
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- Steppe, Vollrad, to Chemische Fabrik Grunau Aktiengesellschaft. Dry fire extinguishing composition. 2,901,427, 8-25-59, Cl. 252-5.
- Sterick, Harrison D. Insert mat for ingot molds and manufacture thereof. 2,874,427, 2-24-59, Cl. 22-139.
- Sterick, Harrison D., and W. E. Schmertz. Ingot mold insert mat. 2,910,747, 11-3-59, Cl. 22-139.
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- Steril-Plast, Inc.: See—  
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- Peterson, William F., Venner, and Bowser. 2,874,010.
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- Archer, Sydney, and Hoppe. 2,895,988.
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- Clinton, Raymond O., and Laskowski. 2,882,296.
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- Sterling, George B.: See—  
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- Sterling, Henley F., to International Standard Electric Corp. Refining processes for semiconductor materials. 2,914,397, 11-24-59, Cl. 75-63.
- Sterling, John J. Football position indicator. 2,869,238, 1-20-59, Cl. 33-46.
- Sterling Multi-Products, Inc.: See—  
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- Sterling Plastics Co.: See—  
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- Sterling Precision Corp.: See—  
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- Sterling Precision Corp., Instrument Division: See—  
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- Sterling Precision Instrument Corp.: See—  
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- Sterling, Robert F., to Westinghouse Electric Corp. Arc resistant molded members. 2,917,607, 12-15-59, Cl. 200-144.
- Sterling, Walter S.: See—  
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- Newey, William H., and Sterling. 2,905,363.
- Sterman, Samuel, to Union Carbide Corp. Bis(hydroxyphenyl)alkane reacted with polyorgano siloxane resins. 2,885,384, 5-5-59, Cl. 260-46.5.
- Stermer, Maynard G.: See—  
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- Stern, Arthur P., to General Electric Co. Transistor converter with emitter connected to series-resonant local oscillation circuit. 2,878,376, 3-17-59, Cl. 250-20.
- Stern, Arthur P., to General Electric Co. Tunable transistor radio frequency amplifier having approximately constant bandwidth. 2,889,453, 6-2-59, Cl. 250-20.
- Stern, Arthur P., to General Electric Co. Color television signal conversion system. 2,900,439, 8-18-59, Cl. 178-5.4.
- Stern, Arthur P., and J. A. Raper, to General Electric Co. Complementary transistor AGC system. 2,882,350, 4-14-59, Cl. 179-171.
- Stern, Benjamin B. Flexible shaft coupling structure. 2,908,150, 10-13-59, Cl. 64-11.
- Stern, David R.: See—  
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- Stern, David R., and Q. H. McKenna, to American Potash & Chemical Corp. Production of elemental boron electrolytically. 2,892,762, 6-30-59, Cl. 204-60.
- Stern, David R., and Q. H. McKenna, to American Potash & Chemical Corp. Production of pure elemental silicon. 2,892,763, 6-30-59, Cl. 204-60.
- Stern, David R., and A. A. Uchiyama, to American Potash & Chemical Corp. Continuous electrothermal production of boric oxide. 2,893,838, 7-7-59, Cl. 23-149.
- Stern, Hansjoerg, to General Electric Co. Vibratory control apparatus. 2,879,467, 3-24-59, Cl. 322-32.
- Stern, Howard H., and J. A. Turner, to General Dynamics Corp. Rate gyro with built-in variable washout. 2,893,247, 7-7-59, Cl. 74-5.6.
- Stern, Ira. Adjustable fastening device. 2,895,198, 7-21-59, Cl. 24-206.
- Stern, Isidor, and B. Blum. Fixtures for hanging wall to wall drapes. 2,910,121, 10-27-59, Cl. 160-125.
- Stern, Jan P. Plastic containers. 2,896,827, 7-28-59, Cl. 222-490.
- Stern, Jerome J., and D. D. Whyte, to Whyte Mfg. Co., Inc. Spool. 2,868,475, 1-13-59, Cl. 242-118.4.
- Stern, Lewis J.: See—  
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- Stubnitz, Maurice, and Stern. 2,871,923.
- Stern, Lewis J., and Harlan L. Davis, deceased, by Hildred L. Davis, administratrix, to Stubnitz-Greene Spring Corp. Spring seat. 2,908,216, 10-20-59, Cl. 155-179.
- Stern, Marc. Piston ring and piston construction. 2,874,012, 2-17-59, Cl. 309-31.
- Stern, Marc. Die casting machine pressure chambers. 2,887,742, 5-26-59, Cl. 22-68.
- Stern, Max H., and O. D. Hawks, to Eastman Kodak Co. Preparation of stigmatol material. 2,870,176, 1-20-59, Cl. 260-397.25.
- Stern, Robert G., and A. J. Sherman, to Curtiss-Wright Corp. Stick force system for aircraft trainers. 2,909,552, 10-27-59, Cl. 35-12.
- Stern, William, to Illinois Tool Works. Screw having a drill point and serrated cutting edge. 2,871,752, 2-3-59, Cl. 85-47.
- Sternbach, Leo H., to Hoffmann-La Roche Inc. 1,4-benzodiazepine 4-oxides. 2,893,992, 7-7-59, Cl. 260-239.
- Sternbeck, Olaf: See—  
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- Sternbeck, Olaf, to Telefonaktiebolaget L M Ericsson. Switching device for magnetic field tubes. 2,917,624, 12-15-59, Cl. 250-27.
- Sternbeck, Olaf, and W. E. M. Uhlmann, to Telefonaktiebolaget L M Ericsson. Method for storing information in an electronic storage tube. 2,871,401, 1-27-59, Cl. 315-12.
- Sterne, Rita C.: See—  
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- Sterne, Willard F., and R. A. Bright, to V. I. Du Bois, L. T. Holzworth, R. C. Sterne, E. Silbert, and F. E. Taylor. Safety goggles. 2,914,770, 12-1-59, Cl. 2-14.
- Sterner, Everett L., to Collins Radio Co. Device for selecting signal of greatest energy. 2,870,226, 1-20-59, Cl. 250-6.
- Sterner, Frank W., W. J. Wollenhaupt, Jr., and L. C. Wollenhaupt, said Sterner and W. J. Wollenhaupt, Jr., assors. to Wm. B. Berry Co. Sequence presentation device. Re. 24,722, 10-20-59, Cl. 273-102.2.
- Sterner, Philip E., to Erie Resistor Corp. Electric circuit assembly. 2,898,520, 8-4-59, Cl. 317-101.
- Sterner, Russell L., to C. Klug. Tufting machine. 2,887,076, 5-19-59, Cl. 112-80.
- Sternfels, Ernest A., to Continental Ore Corp. Recovery of metallic and non-metallic values from sulfide and sulfide-oxide ores. 2,878,102, 3-17-59, Cl. 23-147.
- Sternglass, Ernest J., to Westinghouse Electric Corp. Electron discharge device. 2,905,844, 9-22-59, Cl. 313-68.
- Sternglass, Ernest J., to Westinghouse Electric Corp. Electron discharge device. 2,916,664, 12-8-59, Cl. 315-21.
- Sternglass, Ernest J., and W. A. Feibelman, to Westinghouse Electric Corp. Transmission secondary emission dynode structure. 2,898,499, 8-4-59, Cl. 313-103.
- Sternlicht, Beno, to General Electric Co. Bearings. 2,901,297, 8-25-59, Cl. 308-121.
- Sterns, William G., to Hughes Aircraft Co. High efficiency broadband antenna array. 2,878,472, 3-17-59, Cl. 343-853.
- Sternschuss, Richard. Belt buckle tongue. 2,884,675, 5-5-59, Cl. 24-163.
- Stertz, John W.: See—  
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- Sterzer, Walter G.: See—  
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- Werner, Frank R., Flint, and Sterzer. 2,880,930.
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- Stetka, Daniel G.: See—  
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- Frute, Domenico C., and Stetka. 2,905,408.
- Stetson, Gerald E., to Colonial Aircraft Corp. Impedance matched antenna apparatus. 2,899,678, 8-11-59, Cl. 343-864.
- Stetson, John B. Co.: See—  
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- Stetson, William C., to Saxonburg Ceramics. End seal for electrical heating elements. 2,908,580, 10-13-59, Cl. 106-46.
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- Steuart, Frank R. Ice fisherman's angling hole plug. 2,877,395, 3-17-59, Cl. 43-56.
- Steuber, Walter, to E. I. du Pont de Nemours and Co. Process for forming films and filaments directly from polymer intermediates. Re. 24,691, 8-25-59, Cl. 18-54.
- Steuby, John S. Cam generator. 2,884,839, 5-5-59, Cl. 90-20.
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- Schnell, Hermann, and Steuer. 2,874,466.
- Steuer, Werner, and M. Rang, deceased, by P. Rang, administratrix. Hand piece for drilling, milling or grinding. 2,876,015, 3-3-59, Cl. 279-46.
- Steunenberg, Robert K.: See—  
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- Steven, Fritz: See—  
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- Steven, George, and W. M. Kauffmann, to Worthington Corp. Two-cycle internal combustion engine. 2,889,682, 6-9-59, Cl. 60-13.
- Steven, Harry M., and E. W. Marshall, to General Electric Co. Circuit breaker. 2,884,497, 4-28-59, Cl. 200-88.
- Stevens, Adele M.: See—  
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- Stevens, Robert T. 2,867,144.
- Stevens-Arnold Inc.: See—  
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- Stevens, Bertram, to Thorn Electrical Industries Ltd. Instrument dial illuminator. 2,905,807, 9-22-59, Cl. 240-8.16.
- Stevens, Brooks, Jr., to Ames Textile Corp. Method of knitting pile fabric. 2,903,869, 9-15-59, Cl. 66-92.
- Stevens, Bryce L.: See—  
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- Stevens, Charles H., Jr., to Empire Products, Inc. Cable connector assembly. 2,907,973, 10-6-59, Cl. 339-59.
- Stevens, Clarence C.: See—  
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- Stevens, Donald R.: See—  
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- Emmett, Paul H., Spindt, and Stevens. 2,888,913.
- Stevens, Donna, to The Dow Chemical Co. Metal salts of ethionine. 2,872,469, 2-3-59, Cl. 260-429.9.
- Stevens, Edward W.: See—  
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- Stevens, Everett G.: See—  
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- Stevens, Francis D.: See—  
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- Stevens, Frank D., to Carrier Corp. Air distribution means. 2,881,689, 4-14-59, Cl. 98-40.
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- Stevens, George E. Hydraulic flow control plate. 2,896,565, 7-28-59, Cl. 115-42.
- Stevens, George H., and O. Wilsker, to United States of America, Navy. Servo system. 2,890,401, 6-9-59, Cl. 318-270.
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- Stevens, Harold A., and F. E. Mitchell, Sr. Vent cap for gasoline tanks and the like. 2,894,530, 7-14-59, Cl. 137-493.7.
- Stevens, Harold E.: See—  
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- Stevens, Harold E., to Bird Electronic Corp. Bi-directional single unit sampling device. 2,884,595, 4-28-59, Cl. 324-95.
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- Stevens, J. P., & Co., Inc.: See—  
Roff, William T., Jr. 2,919,173.
- Stevens, James: See—  
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- Stevens, Joel B.: See—  
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Stevens, Leo J. System for converting an operator-staffed signal-controlled elevator system into a passenger-operated automatic system. 2,903,092, 9-8-59, Cl. 187-29.  
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Stevens, Oliver L. Locking means. 2,910,315, 10-27-59, Cl. 287-52.09.  
Stevens, Richard W. Electric lanterns. 2,897,346, 7-28-59, Cl. 240-25.  
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Stevens, Roger W., to United States Steel Corp. Helicoidal stone-sawing wire. 2,876,761, 3-10-59, Cl. 125-21.  
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Stevenson, Halsey B.: See—  
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Stevenson, William A. Sheet metal working tool for automobile bodies. 2,884,043, 4-28-59, Cl. 153-39.  
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Stevenson, Charles F., to The British Oxygen Co. Ltd. Blow pipes. 2,893,420, 7-7-59, Cl. 137-271.  
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Stewart, William A. Work control and scheduling device. 2,904,915, 9-22-59, Cl. 40-96.  
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Stewart, Aubrey P., Jr., R. A. Johnson, and D. F. Wilcox, to Foremost Dairies, Inc. Process for preparing sterile evaporated milk. 2,886,450, 5-12-59, Cl. 99-200.  
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Stewart, Daniel, to Scottish Oils Ltd. Discharge means for containers or vertical retorts. 2,897,983, 8-4-59, Cl. 214-18.  
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Stewart, Edward C., to Barber-Greene Co. Idler roller anchoring device. 2,869,710, 1-20-59, Cl. 198-192.  
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Stewart, Herman V. D. Device for supporting a flexible vacuuming hose in a swimming pool. 2,910,086, 10-27-59, Cl. 137-356.  
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Stewart, William D., E. Pondexter, Jr., and W. L. Wachtel, to Atlantic Research Corp. Processing cellulose nitrate. 2,915,519, 12-1-59, Cl. 260-223.  
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Kessi, Willy. 2,872,777.  
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Rogers, Gerald L. 2,908,511.  
Stiller, Ted. Transformer. 2,876,424, 3-3-59, Cl. 336-192.  
Stiles, Alan R., to Shell Development Co. Complex nitrophenyl phosphates. 2,895,982, 7-21-59, Cl. 260-461.  
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Stiles, Donald J., to International Business Machines Corp. Rotary drive mechanism for card pickers. 2,880,996, 4-7-59, Cl. 271-41.  
Stiles, Harry L., to The Sillex Co. Cord reel device. 2,908,453, 10-13-59, Cl. 242-94.  
Stiles, Harry L., to The Sillex Co. Glass electric percolator. 2,916,599, 12-8-59, Cl. 219-44.  
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Stiles, Kenneth M., to The Sierracin Corp. Apparatus for casting plastic sheets. 2,867,003, 1-6-59, Cl. 18-39.  
Stiles, Samuel R., to The M. W. Kellogg Co. Alkylation of hydrocarbons. 2,894,050, 7-7-59, Cl. 260-683.58.  
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Still, Robert J. Auxiliary vehicle spring. 2,890,040, 6-9-59, Cl. 267-45.



- Stiller, Bruno V. Merchandise selecting system. 2,885,115, 5-5-59, Cl. 221-129.
- Stiller, Frank P., to Sandoz, Inc. Sealing of dyed anodized aluminum. 2,888,388, 5-28-59, Cl. 204-35.
- Stiller, William B. Key case. 2,912,030, 11-10-59, Cl. 150-40.
- Stillman, William J. Furniture glider. 2,875,552, 3-3-59, Cl. 45-137.
- Stillo, Frank W., to International Harvester Co. Apparatus for starting diesel engines. 2,882,885, 4-21-59, Cl. 125-180.
- Stillwagon, Crawford K. Valve. 2,912,218, 11-10-59, Cl. 251-308.
- Stillwagon, George B., Jr., 1/2 to K. G. Fraser. Sealing means. 2,869,342, 1-20-59, Cl. 64-32.
- Stillwagon, George B., Jr., 1/2 to K. G. Fraser. Pinning construction for universal joint. 2,873,591, 2-17-59, Cl. 64-17.
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- Stillwagon, George B., Jr., 1/2 to K. G. Fraser. Universal joint and method of making same. 2,903,868, 9-15-59, Cl. 64-17.
- Stillwell, Harry F.: See—
- Porter, Kenneth W., Jr., and Stillwell. 2,918,575.
- Stillwell, Harry F., to Collins Radio Co. Pulse decoding means. 2,894,127, 7-7-59, Cl. 250-27.
- Stilmar, Frederic B.: See—
- Gladding, Edward K., and Stilmar. 2,917,489.
- Stilmar, Frederic B., to E. I. du Pont de Nemours and Co. Polyurethanes of polyalkylene ether-thioether glycols. 2,900,368, 8-18-59, Cl. 260-77.5.
- Stiltner, Marshall A.: See—
- Syde, Albert A. 2,896,773.
- Stilwell, Donald B., to Cole Mfg. Co. Driving mechanism for single and double feed hoppers. 2,902,954, 9-8-59, Cl. 111-52.
- Stilwell, Robert E., to Food Machinery and Chemical Corp. Pipe coupling having a manually operated latching means. 2,874,978, 2-24-59, Cl. 285-5.
- Stilwell, Robert E., and J. K. Campbell, to Food Machinery and Chemical Corp. Portable irrigation system. 2,892,466, 6-30-59, Cl. 137-344.
- Stilwell, Winfred N., 50% to L. Edelson. Slide fastener. 2,890,512, 6-16-59, Cl. 24-205.15.
- Stimm, Kean W. Light meter. 2,917,969, 12-22-59, Cl. 88-23.
- Stimson, Percy G.: See—
- Marvin, Howard L., and Stimson. 2,911,905.
- Stimson, Samuel. Method of producing three-dimensionally appearing drawings. 2,903,801, 9-15-59, Cl. 35-26.
- Stinchfield, Roger M.: See—
- Clinton, William P., Guggenheim, Kraut, and Stinchfield. 2,915,403.
- Guggenheim, Herbert, and Stinchfield. 2,915,399.
- Stindt, Frederick: See—
- McPhee, Alexander H., Olcott, Reid, and Stindt. 2,893,562.
- Stine, Harrison M.: See—
- Strecker, Harold A., and Stine. 2,870,084.
- Stine, Harrison M., H. A. Strecker, and R. B. Paris, Jr., to The Standard Oil Co. Alloys of platinum and germanium as catalysts for the reforming of N-paraffin hydrocarbons. 2,906,700, 9-29-59, Cl. 208-135.
- Stine, Harrison M., H. A. Strecker, and R. B. Paris, Jr., to The Standard Oil Co. Process for reforming hydrocarbons with catalysts comprising alloys of platinum and germanium. 2,906,701, 9-29-59, Cl. 208-138.
- Stine, James B.: See—
- Smith, Augustus B., Roberts, Wagner, and Stine. 2,871,120.
- Stine, Paul J.: See—
- McClintock, Sherman E. 2,896,748.
- McClintock, Sherman E. 2,903,684.
- Stinehelfer, Harold E., to The Western Union Telegraph Co. Microwave energy attenuating wall. 2,870,439, 1-20-59, Cl. 343-18.
- Stineman, Jacob W., Jr., and S. A. Robinson, to Philco Corp. Method and apparatus for the controlled aging of semiconductor devices. 2,894,313, 7-14-59, Cl. 29-25.3.
- Stineman, Russell W., to Boeing Airplane Co. Power equalization apparatus for multiple alternator systems. 2,872,591, 2-3-59, Cl. 290-4.
- Stineman, Russell W., and J. E. Shearer, to Boeing Airplane Co. Fuel feeding and apparatus cooling systems for vehicles. 2,917,903, 12-22-59, Cl. 62-55.
- Stinger, Henry J.: See—
- Carter, Elbert P., and Stinger. 2,905,869.
- Stingley, Dale V., to Armour and Co. Batch deodorizer. 2,919,232, 12-29-59, Cl. 202-46.
- Stinnett, George J.: See—
- Tauber, Samuel P., and Stinnett. 2,899,876.
- Stinson, Harold S. Attachment for fishhooks. 2,898,701, 8-11-59, Cl. 43-44.6.
- Stinson, Harold S. Attachment for fishhooks. 2,900,755, 8-25-59, Cl. 43-44.6.
- Stinson, Mary L., to Goodman Mfg. Co. Adjustably supported return idler assembly for belt conveyors. 2,904,166, 9-15-59, Cl. 198-202.
- Stinson, Stellita G. Sport sock. 2,904,980, 9-22-59, Cl. 66-171.
- Stipek, Charles J. Self-projectable and retractable sprinkler heads. 2,879,946, 3-31-59, Cl. 239-204.
- Stirn, Frank E., and A. S. Taylor, to American Cyanamid Co. Machine for stripping capsules. 2,878,630, 3-24-59, Cl. 53-182.
- Stirn, Frank E., and A. S. Taylor, to American Cyanamid Co. Encapsulating die roll system. 2,902,802, 9-8-59, Cl. 53-28.
- Stirnemann, Ernst, and T. E. Lanz, to Lonza Electric and Chemical Works Ltd. Electropolyolysis apparatus. 2,879,218, 3-24-59, Cl. 204-325.
- Stirrat, Austin F. Game device. 2,915,190, 12-1-59, Cl. 211-13.
- Stirton, Alexander J.: See—
- Well, James K., Stirton, and Maurer. 2,867,586.
- Stirton, Alexander J., J. W. Well, and E. W. Maurer, to United States of America, Agriculture. Detergent compositions. 2,915,473, 12-1-59, Cl. 252-161.
- Stirton, Robert J., and G. Leitmann, to United States of America, Navy. Apparatus for trajectory determination. 2,907,028, 9-29-59, Cl. 343-112.
- Stites, Loren H. Rotating electric switch. 2,913,560, 11-17-59, Cl. 200-135.
- Stitt, Elmer E., deceased, by O. M. Stitt, administratrix. Cricket dispenser. 2,883,788, 4-28-59, Cl. 43-55.
- Stitt, Elmer E.: See—
- Sieber, Charles B. 2,882,805.
- Stitt, Olive M.: See—
- Stitt, Elmer E. 2,883,788.
- Stitzel, George B.: See—
- Vogtmann, Frank L., and Stitzel. 2,886,028.
- Stivender, Paul M., to General Motors Corp. Closed circuit turbines. 2,882,687, 4-21-59, Cl. 80-59.
- Stivers, Norman J., to Pioneer Rubber Co. Inc. Balloon holder. 2,882,645, 4-21-59, Cl. 46-88.
- Stixrood, Jarvis A., to United States of America, Army. Counterbalancing hydraulic cylinder. 2,896,583, 7-28-59, Cl. 121-40.
- Stokes, James D.: See—
- Bodine, Albert G., Jr., and Stokes. 2,887,604.
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- Stobb, Anton R., to Western Printing & Lithographing Co. Process and apparatus for collecting and stacking of flexible sheets. 2,884,243, 4-28-59, Cl. 271-45.
- Stobb, Anton R. Tension control means for a web of paper. 2,899,199, 8-11-59, Cl. 271-2.3.
- Stobbe, Walter M.: See—
- Hanthorn, Horace F., and Stobbe. 2,884,587.
- Stober, Kenneth E., C. H. Engwis, and T. W. Dwight, Jr., to The Dow Chemical Co. Method for coating rubber in granular form with impalpable resinous vinyl aromatic polymer dusts. 2,895,939, 7-21-59, Cl. 260-45.5.
- Stobl, Johann, to Maschinenfabrik Benninger A.G. Embroidery machine. 2,883,950, 4-28-59, Cl. 112-94.
- Stock, Arthur J. Non-segregating system for handling and feeding solid particulate material. 2,903,144, 9-8-59, Cl. 211-2.
- Stock, Charles S., to American Air Filter Co., Inc. Ventilating system for room having outside downdraft wall. 2,909,981, 10-27-59, Cl. 98-33.
- Stock, Howard P.: See—
- Goudy, Paul R., and Stock. 2,885,516.
- Stock, Maurice W. Combination carpet anchor and finishing bar. 2,892,208, 6-30-59, Cl. 16-16.
- Stockard, Jesse L.: See—
- Weaver, Earl M., Hawthorne, and Stockard. 2,894,726.
- Stocker, Arthur C., to United States of America, Navy. Deflection apparatus. 2,881,342, 4-7-59, Cl. 313-76.
- Stocker, Arthur C., to United States of America, Air Force. High frequency electron discharge device. 2,895,076, 7-14-59, Cl. 315-44.
- Stocker, Edward T., to Western Electric Co., Inc. Insulation stripping unit. 2,882,769, 4-21-59, Cl. 81-9.51.
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- Stockert, Alphonse P. Grain cleaner with variable pitch and throw control. 2,908,392, 10-13-59, Cl. 209-318.
- Stockett, James R. Hydraulic circuit for saw mill feed works. 2,909,897, 10-27-59, Cl. 60-51.
- Stockfeth, Harry C. Quiver silencer. 2,872,959, 2-10-59, Cl. 150-1.5.
- Stockfeth, Harry C. Archery bow and view-finding reel. 2,918,049, 12-22-59, Cl. 124-23.
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- De Graffenried, Albert L. 2,894,246.
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- De Graffenried, Albert L. 2,894,246.
- Stockholm, Robert Q.: See—
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- Stockholm, Seth R.: See—
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- Stocking, Bert A. Battery post connector. 2,906,988, 9-29-59, Cl. 339-116.
- Stocking, George E., to General Electric Co. Air conditioning apparatus. 2,911,797, 11-10-59, Cl. 62-176.
- Stöckl, Franz, to Optische Anstalt C.P. Goerz, G.m.b.H. Holding magnet system. 2,897,415, 7-28-59, Cl. 317-171.

- Stockland Road Machinery Co.: See—
- Ricklick, Eugene A. 2,867,452.
- Stockman, Earle F., 1/2 to F. M. Nishio. Insulated screw driver. 2,899,996, 8-18-59, Cl. 145-50.
- Stockman, William E., to Ling Electronics, Inc. Peak and notch filters including active elements. 2,888,526, 5-26-59, Cl. 179-171.
- Stoddard, Carl K.: See—
- Schmidt, Charles L., and Stoddard. 2,882,143.
- Smith, Elbert C., and Stoddard. 2,889,220.
- Stoddard, Edgar S.: See—
- Conkling, Donald R., and Stoddard. 2,885,789.
- Stoddard, Edgar S., to General Electric Co. Methods of preserving fresh foods. 2,894,845, 7-14-59, Cl. 99-193.
- Stoddard, Edgar S., to General Electric Co. Methods of and apparatus for preserving fresh foods. 2,894,846, 7-14-59, Cl. 99-217.
- Stoddard, Edgar S., to General Electric Co. Water demineralizing units. 2,906,684, 9-29-59, Cl. 204-220.
- Stoddard, Edgar S., to General Electric Co. Water treatment methods. 2,912,372, 11-10-59, Cl. 204-151.
- Stoddard, Edgar S., and D. J. Vallino, to General Electric Co. Water demineralizing units. 2,906,685, 9-29-59, Cl. 204-264.
- Stoddard, Glen W. Forage blower. 2,894,787, 7-14-59, Cl. 302-37.
- Stoddard, Jessie S. Dress form. 2,874,883, 2-24-59, Cl. 223-68.
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- Stoddard, Nicholas J., and W. A. Seem, to Universal Winding Co. Method of processing yarn. 2,891,376, 6-23-59, Cl. 57-157.
- Stoddard, Orren J., to United States of America, Navy. Multi-stage ring circuit. 2,901,607, 8-25-59, Cl. 250-27.
- Stoddard, Robert J., A. W. Brown, and H. T. Bratt, to American Holist & Derrick Co. Block stowage means for derricks. 2,902,177, 9-1-59, Cl. 212-58.
- Stoddard, Stuart V., to Godfrey L. Cabot, Inc. Thermal carbon black process. 2,911,287, 11-3-59, Cl. 23-209.4.
- Stoddard, William B., Jr., to The Champion Paper and Fibre Co. Process of bleaching chemical wood pulp with nitrogen trichloride. 2,882,120, 4-14-59, Cl. 8-105.
- Stoddard, Hugh F., and T. Voutselas, to Baird-Atomic, Inc. Pulse forming networks. 2,867,752, 1-6-59, Cl. 315-84.6.
- Stoddard, Hugh F., V. Cordingly, and T. Voutselas, to Baird-Atomic, Inc. Supporting structure for electronic components. 2,880,379, 3-31-59, Cl. 317-101.
- Stoddard, John O.: See—
- Bell, Francis J., and Stoddard. 2,918,176.
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- Merriman, Carl, and Stoebel. 2,896,577.
- Stoelck, Albert L., and C. T. Zimmermann, to United States Steel Corp. Weighing conveyor. 2,905,310, 9-22-59, Cl. 198-39.
- Stoelck, Albert L., and C. T. Zimmermann, to United States Steel Corp. Apparatus for counting bundles moving along a conveyor. 2,913,173, 11-17-59, Cl. 235-98.
- Stoelcklin, Ernest: See—
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- Stoelting, Herman O., to McGraw-Edison Co. System of parallel mercury vapor lighting. 2,878,422, 3-17-59, Cl. 315-121.
- Stoelting, Herman O., to McGraw-Edison Co. Circuit interrupter device. 2,883,493, 4-21-59, Cl. 200-146.
- Stoesser, Frederick G. Intraluminal vein stripper. 2,868,206, 1-13-59, Cl. 128-303.
- Stoesser, Wesley C., E. H. Sommerfeld, and W. R. Surine, to The Dow Chemical Co. Method of esterifying epoxy resins with unsaturated acids. 2,875,165, 2-24-59, Cl. 260-18.
- Stoffel, Paul J.: See—
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- Beaver, David J., and Stoffel. 2,870,205.
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- Stoffel Seals Corp.: See—
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- Stohn, Kendall R. Combined right and left hand release for packers. 2,909,226, 10-20-59, Cl. 166-138.
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- Stöhr, Walter, to Siemens & Halske Akt. Omnidirectional antenna using dipoles. 2,880,418, 3-31-59, Cl. 343-799.
- Stolber, Joseph, to Eastman Kodak Co. Double exposure prevention device. 2,911,895, 11-10-59, Cl. 95-31.
- Stolcos, Constantine E. Vacuum cleaning apparatus. 2,877,313, 3-10-59, Cl. 200-61.6.
- Stokes, Charles A., to Godfrey L. Cabot, Inc. Igniting composition containing a pyrogenic oxide. 2,902,351, 9-1-59, Cl. 44-7.
- Stokes Corp.: See—
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- Stokes, Edward D., to Esso Research and Engineering Co. Method of operating a fluid bed coking system. 2,882,223, 4-14-59, Cl. 208-157.
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- Stokes, J. D., 1/2 to Ferdinand Gregorie, Jr. Train rail lubricating device. 2,907,410, 10-6-59, Cl. 184-3.
- Stokes, Jacob L.: See—
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- Stokes, Morris A., to Armstrong Siddeley Motors Ltd. Combustion systems for gas turbine engines. 2,916,367, 12-8-59, Cl. 48-107.
- Stokes, Ray A. Dual abrasive blast nozzle. 2,869,290, 1-20-59, Cl. 51-11.
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- Stokland, Sigmund. Dispensers for agricultural machines. 2,874,878, 2-24-59, Cl. 232-177.
- Stokland, Sigmund. Agricultural machines for use as seed planters and fertilizer distributors. 2,904,220, 9-15-59, Cl. 232-140.
- Stolecki, William, V. P. Romeo, C. P. Cardani, and C. K. Woodman, to United Shoe Machinery Corp. Machines for mounting electronic components. 2,903,698, 9-15-59, Cl. 1-2.
- Stolecki, William E., V. P. Romeo, C. P. Cardani, and C. K. Woodman, to United Shoe Machinery Corp. Feed means for component mounting machines. 2,908,909, 10-20-59, Cl. 1-100.
- Stoll, Arthur, E. Jucker, and A. Lindenmann, to Saul & Co., as nominee of Fidelity Union Trust Co., executive trustee under Sandoz Trust. 6-alkoxy-tropinone derivatives. 2,883,387, 4-21-59, Cl. 260-292.
- Stoll, Arthur, J. Renz, and J.-P. Bourquin, to Sandoz Ltd. 10-[2'-(N-alkyl-piperidyl-2'')-ethyl-1']-phenothiazines containing a substituent in 3-position. 2,902,486, 9-1-59, Cl. 260-243.
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- Stoll, Hermann, to Robert Bosch G.m.b.H. Fuel injection systems for multicylinder engines. 2,892,453, 6-30-59, Cl. 123-139.
- Stoll, Karl, to Mannesmann Akt. Torsion bar suspension systems. 2,892,623, 6-30-59, Cl. 267-57.
- Stoll, Karl, to K. Klager. Device for the plastering of corners in the building trade. 2,902,855, 9-8-59, Cl. 72-136.
- Stoll, Kenneth M., to Sylvania Electric Products Inc. Electron tube. 2,916,648, 12-8-59, Cl. 313-178.
- Stoll, Ralph K., and A. R. Christensen, to Niagara Instrument Corp. Convertible grill. 2,885,950, 5-12-59, Cl. 99-340.
- Stoll, Walter W., and E. R. Reuter, said Reuter assor. to said Stoll. Beet harvesting machine and clearance device therefor. 2,906,350, 9-29-59, Cl. 171-10.
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- Stoltenberg, Donald A., to The Durlon Co., Inc. Filter press. 2,912,110, 11-10-59, Cl. 210-90.
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- Stoltman, Donald D., to General Motors Corp. Air bleed control. 2,883,112, 4-21-59, Cl. 236-101.
- Stoltman, Donald D., to General Motors Corp. Combined injection and pressure carburetor fuel system. 2,916,269, 12-8-59, Cl. 261-23.
- Stoltz, Elmer C., W. J. Zeveloff, and E. J. Stoltz. Hydraulic motor. 2,878,787, 3-24-59, Cl. 121-119.
- Stoltz, Elmer J.: See—
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- Stolz, Desmond. Welding machine and method. 2,913,567, 11-17-59, Cl. 219-79.
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- Stone, Bobbie D., to Monsanto Chemical Co. Method of treating nematodes with thiourea and ethylene thiourea copper complexes. 2,900,295, 8-18-59, Cl. 167-22.
- Stone, Bobbie D., and M. L. Nielsen, to Monsanto Chemical Co. Process for preparing thiocarbonates. 2,893,835, 7-7-59, Cl. 23-114.
- Stone, Bobbie D., E. Seifter, and P. H. Santmyer, to Monsanto Chemical Co. Nematode control by sulfur dioxide and ammonia. 2,912,793, 11-17-59, Cl. 47-58.
- Stone, Bobbie D., and M. L. Nielsen, to Monsanto Chemical Co. Process for compounding conjugated diene rubbers with cyclohexatriene and product obtained thereby. 2,900,358, 8-18-59, Cl. 260-41.5.
- Stone, Carl R., and E. G. Schmidt, to Crane Co. Diaphragm ballcock. 2,875,977, 3-3-59, Cl. 251-331.
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- Stone, Claire E., and J. C. Layton, to Towisaver, Inc. Dispenser for rolls of strip material. 2,908,450, 10-13-59, Cl. 242-55.3.
- Stone, Clifford C.: See—  
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- Stone Container Corp.: See—  
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- Stone, Cyril W.: See—  
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- Stone, Elmer O., to Sylvania Electric Products Inc. Power supply. 2,872,616, 2-3-59, Cl. 315-27.
- Stone, Elmer O., and F. L. Burroughs, to Sylvania Electric Products Inc. Colorimeter. 2,910,909, 11-3-59, Cl. 88-14.
- Stone, George M., Jr., and M. S. Sisulak, to General Electric Co. Clothes washing apparatus. 2,867,106, 1-6-59, Cl. 68-24.
- Stone, Harold A.: See—  
Dearing, Clarence W., Gruczek, and Stone. 2,889,156.
- Stone, Irwin: See—  
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- Stone, Irwin M., to Baxter Laboratories, Inc. Treatment of malt beverages. 2,892,718, 6-30-59, Cl. 99-48.
- Stone, Irwin M., P. P. Gray, and H. Morawetz, to Baxter Laboratories, Inc. Production of stable malt beverages. 2,912,333, 11-10-59, Cl. 99-48.
- Stone, J., & Co. (Deptford) Ltd.: See—  
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- Stamberger, Andrew. 2,872,554.
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- Stone, James D., and L. M. Stahl, to United States Borax & Chemical Corp. Herbicidal granular composition and method of preparing the same. 2,904,423, 9-15-59, Cl. 71-24.
- Stone, Joseph J., to United States of America Army. Smooth-curve function generator. 2,890,832, 6-16-59, Cl. 235-197.
- Stone, Lawrence H.: See—  
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- Stone, Lyle M.: See—  
Jones, Dan H., and Stone. 2,900,625.
- Stone, Morton D. Mattress and cushion construction. 2,874,390, 2-24-59, Cl. 5-351.
- Stone, Morris D., J. I. Greenberger, and M. Lamourdedieu, to United Engineering and Foundry Co. Method of continuously heat treating aluminum strip. 2,887,422, 5-19-59, Cl. 148-21.91.
- Stone, Newton C.: See—  
Detwiler, William L., and Stone. 2,885,671.
- Stone, Orison W.: See—  
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- Stone, Orison W., to Continental Can Co., Inc. Tray carton. 2,875,941, 3-3-59, Cl. 229-34.
- Stone, Orison W., to Continental Can Co., Inc. Reinforced handle construction for paperboard cartons. 2,911,136, 11-3-59, Cl. 229-32.
- Stone, Orton G. Pivoted coupling and shim therefor. 2,896,983, 7-28-59, Cl. 287-100.
- Stone, Peter, to Premier Materials Co. Collapsible utility table or stand. 2,871,075, 1-27-59, Cl. 311-83.
- Stone, Richard S.: See—  
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- Stone, Robert H. Fluorescent fixture holst. 2,896,908, 7-28-59, Cl. 254-1.
- Stone, Robert P., to United States of America Army. Means for elimination of loss of contrast in direct view storage tubes. 2,873,404, 2-10-59, Cl. 315-12.
- Stone, Robert P., to Radio Corp. of America. Auxiliary heaters to aid in activation of cathode ray type guns. 2,875,361, 2-24-59, Cl. 313-85.
- Stone, Roger T., to Fincas e Industrias Tiribi Ltda. Method for dispersing natural atmospheric fogs and clouds. 2,908,442, 10-13-59, Cl. 239-2.
- Stone, Roy A., and L. K. Ploughman, to National Lock Co. Catch assembly. 2,873,989, 2-17-59, Cl. 292-70.
- Stone, Stanford C. Variable capacitor. 2,892,138, 6-23-59, Cl. 317-249.
- Stone, Swen H.: See—  
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- Stone, Thomas W.: See—  
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- Stone, Virgil D., to Gulf Oil Corp. Automatic plug injector and method of cleaning pipelines. 2,915,422, 12-1-59, Cl. 134-8.
- Stone, Walter N.: See—  
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- Stone & Webster Engineering Corp.: See—  
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- Stone, Wilfred H., to Meredith Publishing Co. Electronic loose plate detector for printing press. 2,902,929, 9-8-59, Cl. 101-378.
- Stone, Wilfred H., and D. W. Watson, to Meredith Publishing Co. Photoelectric article detector. 2,916,633, 12-8-59, Cl. 250-223.
- Stone, William R. Telephone holder. 2,901,553, 8-25-59, Cl. 179-148.
- Stone Crest Studios, Inc.: See—  
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- Stonehill, Albert A., to Ethicon, Inc. Ligature and suture package. 2,892,539, 6-30-59, Cl. 206-63.3.
- Stonehouse, Bernard H., to The General Electric Co. Ltd. Electric supply arrangements. 2,891,211, 6-16-59, Cl. 321-24.
- Stoneman, Lois R.: See—  
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- Stoner, Arthur M., to The Jacobs Mfg. Co. Key operated internally geared chuck. 2,880,007, 3-31-59, Cl. 279-53.
- Stoner, Arthur M., to The Jacobs Mfg. Co. Chuck key and support. 2,880,008, 3-31-59, Cl. 279-58.
- Stoner, Charles F. U., to Fairchild Engine and Airplane Corp. Aircraft landing gear-double acting shock strut. 2,891,788, 6-23-59, Cl. 267-64.
- Stoner, Eugene M., to Fairchild Engine & Airplane Corp. Cartridge magazine of aluminum or magnesium. 2,903,809, 9-15-59, Cl. 42-50.
- Stoner, George G.: See—  
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- Stoner, George G., and G. C. Wright, to General Aniline & Film Corp. Process of reacting a polymeric N-vinyl lactam with a polymeric carboxylic acid and product obtained thereby. 2,901,457, 8-25-59, Cl. 260-45.5.
- Stoner, Theodore R. Timer mechanism. 2,891,406, 6-23-59, Cl. 74-2.
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- Stookey, Stanley D., to Corning Glass Works. Photograph made on glass. 2,911,749, 11-10-59, Cl. 41-26.
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- Vossen, Edward. 2,912,185.
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- Bergstedt, Alf J. A., and Rydahl. 2,903,279.
- Collin, Per H., Effring, and Jonsson. 2,885,317.
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- Storatz, Gottfried J.: See—  
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- Storatz, Gottfried J., to International Harvester Co. Hitch for connecting vehicles to tractors. 2,877,024, 3-10-59, Cl. 280-400.
- Storbeck, Werner, to "Endopharm" Frankfurter Arzneimittel-fabrik G.m.b.H. 2,4,6-tribromo-3-acetylamino-benzole acid and salts thereof. 2,890,244, 6-9-59, Cl. 260-518.
- Storchhelm, Samuel. Solid state bonding of thorium with aluminum. 2,914,847, 12-1-59, Cl. 29-473.3.
- Storer, Alton B.: See—  
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- Störiko, Dietrich: See—  
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- Stork, Gilbert, H. J. Ringold, F. Sondheimer, and G. Rosenkranz, to Syntex S. A. Process for the production of 20-keto-21-iodo steroids. 2,874,154, 2-17-59, Cl. 260-239.55.
- Storkline Furniture Corp.: See—  
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- Storm, Arthur W., and K. R. Groll, to Erie Mining Co. Chunk breaker for rectangular furnace. 2,884,237, 4-28-59, Cl. 263-29.

- Storm, Frederick K., Jr., and E. H. Smiley, to E. F. Hagman. Automatically adjustable page turner. 2,885,806, 5-12-59, Cl. 40-104.
- Storm, John F., and R. M. Williamson, to Minneapolis-Honeywell Regulator Co. Condition sensing apparatus. 2,896,454, 7-28-59, Cl. 73-304.
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- Storms, John N.: See—  
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- Storrs, Charles H., and M. C. Morgan. Card pocket board. 2,906,409, 9-29-59, Cl. 211-35.
- Storrs, William H., to The Hartford Special Machinery Co. Fluid actuated jack with pressure responsive automatic lock. 2,876,746, 3-10-59, Cl. 121-40.
- Storstad, Bjarne, to Oerlikon Engineering Co. High capacity choke for D.C. installations. 2,901,717, 8-25-59, Cl. 336-223.
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- Story, Joseph B. Treatment of sulfur dye waste liquors. 2,877,177, 3-10-59, Cl. 210-49.
- Storz, Charles R., Jr., to Storz Instrument Co. Physician's headlight. 2,882,980, 4-28-59, Cl. 128-23.
- Storz, Charles R., Jr., to Storz Instrument Corp. Surgical spring clip forceps. 2,890,519, 6-16-59, Cl. 29-225.
- Storz Instrument Co.: See—  
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- Storz, Charles R., Jr. 2,890,519.
- Stothert & Pitt, Ltd.: See—  
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- Stott, Albert M.: See—  
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- Stott, Albert M. Tension thruster with buffer. 2,873,726, 2-17-59, Cl. 123-24.
- Stott, Albert M., and F. J. Shinsky, to United States of America Army. Rotary thruster. 2,910,053, 10-27-59, Cl. 123-24.
- Stott, Charles B., and P. W. Dalno, to International Business Machines Corp. Self-complementing gas tube accumulator. 2,907,520, 10-6-59, 235-92.
- Stott, Everett W. Aquarium heater. 2,914,649, 11-24-59, Cl. 219-40.
- Stott, Frank D., to National Research Development Corp. Absorptiometers. 2,899,858, 8-18-59, Cl. 88-14.
- Stott, Geoffrey. Curing natural rubber latex with a peroxide. 2,868,559, 1-13-59, Cl. 260-773.
- Stott, Roy W. Steak cooker. 2,915,959, 12-8-59, Cl. 99-345.
- Stoudenheimer, Richard G., to Radio Corp. of America. Photosurface. 2,880,344, 3-31-59, Cl. 313-102.
- Stoudenmire, Jay H., to Bendix Aviation Corp. Self-synchronous transmission system. 2,896,141, 7-21-59, Cl. 318-24.
- Stough, Gerald D., to Whitehead & Kales Co. Road form structure. 2,875,500, 3-3-59, Cl. 25-118.
- Stough, Gerald D., to Whitehead & Kales Co. Rectilinearly adjustable rigid attachment means between members. 2,917,139, 12-15-59, Cl. 189-36.
- Stough, Gerald D., to Whitehead & Kales Co. Portable adjustable rack. 2,917,261, 12-15-59, Cl. 248-120.
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- Duffield, Robert B., and Stoughton. 2,872,288.
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- Stout, Glenn M., and E. J. Peterson, to American Electronics Co. Control circuit for flasher lights and the like. 2,887,592, 5-19-59, Cl. 307-132.
- Stout, Joseph M., to Ford Motor Co. Piston. 2,872,909, 2-10-59, Cl. 123-90.
- Stout, Orin C.: See—  
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- Stout, Raymond K. Method of packaging cigarettes and construction of cigarette package. 2,908,421, 10-13-59, Cl. 221-208.
- Stout, William H., and P. H. Raumaker, said Raumaker to said Stout. Coupler for pipe sections with intermediate fluid actuated seal and gripping means. 2,871,033, 1-27-59, Cl. 285-106.
- Stouten, Edwin A., and S. K. Beach, to Alexander Dodds Co. Dovetailing machine. 2,893,450, 7-7-59, Cl. 144-87.
- Stovall, Elmo G., and G. R. Williams, Jr. Pipe working machines. 2,917,976, 12-22-59, Cl. 90-12.
- Stovall, John R., Jr., to Sperry Rand Corp. Disk recording compensating devices. 2,901,737, 8-25-59, Cl. 340-174.
- Stove, Edward R.: See—  
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- Stover, Ancil C., to W. A. Eisenhauer, W. P. Ellwood, and I. J. and L. E. Eisenhauer, d.b.a. The Eisenhauer Mfg. Co. Hydraulic suspension and stabilizer systems for vehicles. 2,890,063, 6-9-59, Cl. 280-109.
- Stover, Carrell J., to The Allen Iron & Steel Co. Shear for channels or the like. 2,884,063, 4-28-59, Cl. 164-47.
- Stover, Harris A., to Collins Radio Co. Adaptable input circuit for receiver providing proper tracking with either of two antennas of different impedance. 2,888,555, 5-26-59, Cl. 250-20.
- Stover, Harris A., to Collins Radio Co. Wire saving switching system for load positioning motor control. 2,888,624, 5-26-59, Cl. 318-467.
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- Stover, Harry E., to Anchor Hocking Glass Corp. Device for molding gaskets. 2,877,493, 3-17-59, Cl. 18-5.
- Stover, Harry E., to Anchor Hocking Glass Corp. Hydraulic container sealing means. 2,891,366, 6-23-59, Cl. 53-361.
- Stover, Harry E., to Anchor Hocking Glass Corp. Container sealing apparatus. 2,915,862, 12-8-59, Cl. 53-112.
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- Stover, Ingram V., and W. L. Vallee, to Blackhawk Mfg. Co. Adjustable load support. 2,895,712, 7-21-59, Cl. 254-134.
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- Stowe, Robert A., and E. R. Larsen, to The Dow Chemical Co. Production of a tetrachlorotetrafluorobutene. 2,917,557, 12-15-59, Cl. 260-653.3.
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- Stowitts, Frank H., and D. P. Wheeler, to Michigan Carton Co. Dispensing carton with a push-pull closure for same. 2,899,119, 8-11-59, Cl. 229-17.
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- Strabeck, Carl A. Knuckle saver punch and chisel holder. 2,889,726, 6-9-59, Cl. 81-1.
- Strachan, Edward J. Holder and ejector for collapsible tubes. 2,906,479, 9-29-59, Cl. 248-106.
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- Strachey, Christopher: See—  
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- Strader, Don S., to Pantex Mfg. Corp. Regulating control for immersed electrode boiler. 2,875,317, 2-24-59, Cl. 219-40.
- Strader, Edward A. Bin level indicator. 2,915,205, 12-1-59, Cl. 214-17.
- Stradley, Norman H., and W. R. Beck, to Minnesota Mining & Mfg. Co. High-index glass elements. 2,870,030, 1-20-59, Cl. 106-47.
- Strahan, Heaston A. Cutting torch carriage. 2,886,305, 5-12-59, Cl. 266-23.
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- Straight, David M.: See—  
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- Strain, Douglas C., and L. R. Rockwood, to Electro-Measurements, Inc. Variable control for electrical impedance assemblies. 2,884,505, 4-28-59, Cl. 201-48.
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- Dubsky, Borivoj, and Straka. 2,917,692.
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- Straka, William J.: See—  
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- Straley, James B., to Brodrex Co. Apparatus for spraying waxy substances onto fruit surfaces. 2,898,881, 8-11-59, Cl. 118-24.
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- Straley, James M., D. J. Wallace, and J. G. Fisher, to Eastman Kodak Co. Thiazoleazodiphenylamine compounds. 2,871,231, 1-27-59, Cl. 260-146.
- Straley, James M., and J. G. Fisher, to Eastman Kodak Co. Metallizable azo dyes prepared from a benzothiazole derivative and  $\beta$ -naphthol. 2,875,190, 2-24-59, Cl. 260-149.
- Straley, James M., and R. C. Harris, to Eastman Kodak Co. Cellulose acetate fibers containing nickel carbonate. 2,882,176, 4-14-59, Cl. 106-194.
- Straley, James M., and J. G. Fisher, to Eastman Kodak Co. 2-hydroxy-5-methylsulfonylphenylazodiphenylamine compounds. 2,887,477, 5-19-59, Cl. 260-149.
- Straley, James M., and D. G. Hedberg, Jr., to Eastman Kodak Co. Metallized anthraquinone dyes. 2,895,967, 7-21-59, Cl. 260-366.
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- Straley, James M., and J. G. Fisher, to Eastman Kodak Co. Metallizable azo dyes prepared from substituted aminobenzothiazoles and a  $\beta$ -naphthol. 2,916,482, 12-8-59, Cl. 260-146.
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- Strang, Charles D., to Kiekhaefer Corp. Fuel injection system. 2,890,692, 6-16-59, Cl. 123-140.
- Strang, Charles D., to Kiekhaefer Corp. Reversible outboard motor. 2,909,146, 10-20-59, Cl. 115-7.
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- Strange, John P.: See—  
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- Strange, John W., to Thorn Electrical Industries Ltd. Instrument panel illuminator. 2,872,567, 2-3-59, Cl. 240-816.
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- Stransky, Gustave. Hatch covers for ships. 2,869,502, 1-20-59, Cl. 114-202.
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- Stratbar Process Co.: See—  
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- Strate, Robert A. Dough cutters. 2,878,564, 3-24-59, Cl. 30-303.
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- Stratford, William M., to Texaco Inc. Treating solid materials. 2,914,391, 11-24-59, Cl. 48-206.
- Stratbearn, Donald M., and H. H. Jennings, to Philco Corp. Combination washer and dryer. 2,869,345, 1-20-59, Cl. 68-19.
- Stratman, William C., to North American Aviation, Inc. Pneumatic grip gauge. 2,894,331, 7-14-59, Cl. 33-143.
- Stratman, William C., and W. H. Bringham, to North American Aviation, Inc. Airfeed drill nose adapter. 2,882,762, 4-21-59, Cl. 77-55.
- Stratmann, Wolf: See—  
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- Stratton, Charles A., Phillips Petroleum Co. Clay-thickened lubricants and the preparation thereof. 2,879,229, 3-24-59, Cl. 252-21.
- Stratton, David W., 1/2 to J. B. Rudy. Potentiometer structures. 2,876,318, 3-3-59, Cl. 201-48.
- Stratton, Edwin J. D., to Uarco Inc. Continuous form stationery and method of forming same. 2,884,262, 4-28-59, Cl. 282-12.
- Stratton, Hal: See—  
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- Stratton, Wayne, and W. E. Stokes, Jr. Lathe drill attachment. 2,878,694, 3-24-59, Cl. 77-5.
- Straub, Hermann, W. Beig, A. Maier, and L. Wiedmann, to I-T-E Circuit Breaker Co. Spring brush for rotating parts. 2,889,530, 6-2-59, Cl. 339-5.
- Straub, Watson A. Combined bottle carrying case and bottle cap remover. 2,875,654, 3-3-59, Cl. 81-31.
- Straube, Harold M., to Bell Telephone Laboratories, Inc. Shield for electric current apparatus. 2,879,318, 3-24-59, Cl. 174-36.
- Straube, Harold M., to Bell Telephone Laboratories, Inc. Lockout circuits utilizing thermistor-gas tube combinations. 2,914,747, 11-24-59, Cl. 340-153.
- Straughan, Virgil E.: See—  
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- Mayer, Edward F., and Straughan. 2,891,911.
- Straughan, Virgil E., to General Dynamics Corp. Apparatus for imparting electrostatic charges in electrophotography. 2,892,973, 6-30-59, Cl. 317-262.
- Straughan, Virgil E., to General Dynamics Corp. Process for developing electrostatic image with liquid developer. 2,899,335, 8-11-59, Cl. 117-37.
- Straus, Everett M., to DWG Cigar Corp. Cigar. 2,914,071, 11-24-59, Cl. 131-11.
- Straus, Moritz: See—  
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- Strause, Monroe B. Pie marker, method of finishing meringue pies and the resulting meringue pie. 2,901,352, 8-25-59, Cl. 99-92.
- Strauss, Arvid, now by change of name A. Marlo. Artificial articles imitating natural articles. 2,896,352, 7-28-59, Cl. 41-10.
- Strauss, Charles E. Work holding jaws for chucks. 2,896,958, 7-28-59, Cl. 279-123.
- Strauss, Edwin. Adjustable fastening means for handles and the like. 2,882,540, 4-21-59, Cl. 16-125.
- Strauss, Howard J., to The Electric Storage Battery Co. Storage battery separator. 2,880,260, 3-31-59, Cl. 136-143.
- Strauss, Howard J., to The Electric Storage Battery Co. Alkaline storage battery. 2,905,739, 9-22-59, Cl. 136-6.
- Strauss, Howard J., to The Electric Storage Battery Co. Sealed alkaline storage battery. 2,915,576, 12-1-59, Cl. 136-9.
- Strauss, Irving, to Bruno-New York Industries Corp. Wire twisting tool. 2,884,210, 4-28-59, Cl. 242-7.
- Strauss, Jerome, to Vanadium Corp. of America. Device for supplying treating agents sequentially to molten metal. 2,915,386, 12-1-59, Cl. 75-93.
- Strauss, Philip J. Adjustable toasting appliances. 2,916,984, 12-15-59, Cl. 99-390.
- Strauss, Ray C. Driving controls. 2,912,081, 11-10-59, Cl. 192-3.
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- Kirstahler, Alfred, Willmund, and Strauss. 2,905,602.
- Strauss, Wennemar, to Dehydag, Deutsche Hydrierwerke G.m.b.H. Method of copper-plating metal surfaces. 2,903-403, 9-8-59, Cl. 204-32.
- Strauss, Wennemar, and H. Wedell, to Dehydag Deutsche Hydrierwerke G.m.b.H. Brighteners for electroplating baths. 2,910,413, 10-27-59, Cl. 204-44.
- Strauss, William, to Stokes Corp. Valved gates for an injection molding press. 2,878,513, 3-24-59, Cl. 18-30.
- Strausser, Arlan E. Fishing rig. 2,896,358, 7-28-59, Cl. 43-42,72.
- Straussler, Nicholas P. S. Pneumatic tires. 2,868,262, 1-13-59, Cl. 152-401.
- Straw, Douglas, to General Aniline & Film Corp. Distasotype containing 2,2'-alkylenebis(1,3-cyclohexanediones) as azo components. 2,915,396, 12-1-59, Cl. 96-91.
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- Strawinski, Jay F. Method of making laminated sheet material. 2,867,560, 1-6-59, Cl. 154-124.

- Straznickas, Donald A., to Sundstrand Machine Tool Co. Governor. 2,890,877, 6-10-59, Cl. 264-8.
- Streater, August L., and W. B. Wilson, to General Electric Co. Circuit and method for testing high capacity power circuit breakers. 2,914,724, 11-24-59, Cl. 324-28.
- Streeter, Edward C. Self-locking shelf and price tag molding assembly. 2,908,399, 10-13-59, Cl. 211-147.
- Streeter, James H. Boat trailer and cradle. 2,917,194, 12-15-59, Cl. 214-500.
- Streibinger, Robert L., to Bendix Aviation Corp. Brake shoe. 2,871,996, 2-3-59, Cl. 188-250.
- Streibinger, Robert L., to Bendix Aviation Corp. Brake with spaced lining segments. 2,875,859, 3-2-59, Cl. 188-78.
- Streck, Clemens, to General Aniline & Film Corp. Method of metallizing azoic dyes. 2,867,494, 1-6-59, Cl. 8-42.
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- Streck, Clemens, to General Aniline & Film Corp. Azoic dyeing of leather. 2,913,301, 11-17-59, Cl. 8-13.
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- Stine, Harrison M., Strecker, and Faris. 2,906,701.
- Strecker, Harold A., and H. M. Stine, to The Standard Oil Co. Process of aromatizing a naphtha with a chromia-chromia-platinum catalyst. 2,870,084, 1-20-59, Cl. 208-136.
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- Street, Leslie J., to The Decca Record Co. Ltd. Waveguides. 2,883,632, 4-21-59, Cl. 333-98.
- Street, Luther R., to Springfield Newspapers, Inc. Inking apparatus for printing press. 2,887,950, 5-26-59, Cl. 101-210.
- Street, R. K., & Co., Inc.: See—  
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- Streets, Charles M., to Coopers Mechanical Joints Ltd. Combined gas filters and silencers. 2,886,129, 5-12-59, Cl. 183-44.
- Streeter-Amet Co.: See—  
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- Streeter, Clifford J., and K. R. Kadoun. Device for holding down flaps of cardboard boxes. 2,867,019, 1-6-59, Cl. 24-81.
- Streeter, George W., III. Leg and foot rest. 2,911,657, 11-10-59, Cl. 5-327.
- Streeter, Kenneth C., to United States of America. Air Force. Universal tapping arrangement for potentiometers. 2,916,716, 12-8-59, Cl. 338-137.
- Streeter, Milton H., to Arthur D. Little, Inc. Purification of low-boiling gases. 2,895,303, 7-21-59, Cl. 62-12.
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- Strehlow, Walter F., to Allis-Chalmers Mfg. Co. Pressure gauge. 2,909,928, 10-27-59, Cl. 73-406.
- Strehlow, Walter F., to Allis-Chalmers Mfg. Co. Device for varying the steerable wheel tread of vehicles. 2,911,229, 11-3-59, Cl. 280-96.
- Strehl, Homer F. Circular wing aircraft. 2,876,964, 3-10-59, Cl. 244-12.
- Strehl, Homer F. Circular wing aircraft with universally tiltable ducted power plant. 2,876,965, 3-10-59, Cl. 244-12.
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- Stremke, William F., W. F. Stremke, Jr., and R. R. Pazderski. Semi-automatic wrapping machine. 2,917,885, 12-22-59, Cl. 53-206.
- Stremke, William F., W. F. Stremke, Jr., and R. R. Pazderski. Semi-automatic wrapping machines. 2,917,886, 12-22-59, Cl. 53-206.
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- Strickhouser, Sherman L., and R. J. Van Twisk, to United States Rubber Co. Bathing cap. 2,917,749, 12-22-59, Cl. 2-68.
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- Strickland, Silas A., to Federal-Mogul-Bower Bearings, Inc. Method for making tapered roller bearing cones. 2,880,495, 4-7-59, Cl. 29-148.4.
- Strickland, Silas E., to The American Tobacco Co. Blender for stripped tobacco. 2,880,735, 4-7-59, Cl. 131-108.
- Strickland, Thomas G., to The Stearns-Roger Mfg. Co. Recovery of natural gasoline by fractionation. 2,895,909, 7-21-59, Cl. 208-364.
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- Stripp, Kenneth F., and A. R. Moore, to Radio Corp. of America. Transistor construction. 2,874,083, 2-17-59, Cl. 148-33.
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- Strobel, Albert F., and W. W. Williams, to General Aniline & Film Corp. Substituted sulfonyl Fe-nitroso- $\beta$ -naphthol dyes. 2,891,951, 6-23-59, Cl. 260-242.
- Strobel, Charles K., and G. F. Conner, to Robertshaw-Fulton Controls Co. Temperature control devices. 2,868,928, 1-13-59, Cl. 200-140.
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- Strocco, Gene. Hinge constructions. 2,907,490, 10-6-59, Cl. 220-32.
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- Stromberg, Ralph O. Automobile cooling system. 2,878,794, 3-24-59, Cl. 123-41.27.
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- Strong, Frank M., F. Skoog, and C. O. Miller, to Wisconsin Alumni Research Foundation. 6-(furfuryl)-aminopurine. 2,903,455, 9-8-59, Cl. 260-252.
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- Strong, Thomas M., to International Business Machines Corp. Switching apparatus. 2,910,597, 10-27-59, Cl. 307-88.5.
- Strosche, Hermann K. J., to International Standard Electric Corp. Method of producing a selenium rectifier. 2,908,592, 10-13-59, Cl. 117-200.
- Strother, John A., W. J. Hanson, and D. A. Beytes, to Pitney-Bowes, Inc. Mail canceling device. 2,887,951, 5-26-59, Cl. 101-232.
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- Stroup, Charles L., and A. C. Westrom, to Hubbard and Co. Current-interrupting apparatus. 2,910,560, 10-27-59, Cl. 200-114.
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- Stroup, Earl L., to Overhead Door Corp. Door control operator and limit switch mechanism. 2,867,697, 1-6-59, Cl. 200-47.
- Stroup, Earl L., to Overhead Door Corp. Upwardly acting doors having tracks inclined relative to the door frame. 2,871,932, 2-3-59, Cl. 160-40.
- Stroup, Earl L., to Overhead Door Corp. Upwardly acting door and combined hinge and roller spindle support therefor. 2,877,843, 3-17-59, Cl. 160-209.
- Stroup, Earl L., to Overhead Door Corp. Sectional door structure. 2,880,790, 4-7-59, Cl. 160-232.
- Stroup, Earl L., to Overhead Door Corp. Hinge and track engaging roller support for slidable closures. 2,883,697, 4-28-59, Cl. 16-97.
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- Stroup, Earl L., to Overhead Door Corp. Vertically movable sectional doors. 2,892,496, 6-30-59, Cl. 160-229.
- Stroup, Earl L., to Overhead Door Corp. Hinges and track engaging roller supports for slidable closures. 2,902,087, 9-1-59, Cl. 160-209.
- Stroup, Leslie G., to Raytheon Co. Magnetic amplifier electric motor control. 2,915,690, 12-1-59, Cl. 318-207.
- Strouse, Arthur F., to Strouse, Inc. Spray tube. 2,908,446, 10-13-59, Cl. 239-573.
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- Strub, Robert D., to Amana Refrigeration, Inc. Vibration dampening mount for motor. 2,903,209, 9-8-59, Cl. 248-15.
- Strubel, Paul F.: See—  
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- Struber, Franz. Pneumatic plant for removing broken ends on spinning or similar machines. 2,893,196, 7-7-59, Cl. 57-34.5.
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- Struble, Glenn E., to Diamond Gardner Corp. Cartons. 2,896,780, 7-28-59, Cl. 206-65.
- Struble, Glenn E., to Diamond Gardner Corp. Box. 2,896,830, 7-28-59, Cl. 229-52.
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- Structural Clay Products Research Foundation: See—  
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- Struhar, John. Door check and closer. 2,881,467, 4-14-59, Cl. 16-66.

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- Strunk, Leonard M. Vehicle steering mechanism. 2,886,118, 5-12-59, Cl. 180-6.26.
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- Strutynski, Peter: See—  
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- Stryker, Norman R., to Bell Telephone Laboratories, Inc. Loudness transmission testing system. 2,870,272, 1-20-59, Cl. 179-175.1.
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- Stuart, Allan, and H. Drachman. Adjustable sleeping garment. 2,905,944, 9-29-59, Cl. 2-83.
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- Schneider, Abraham, and Stuart. 2,885,355.
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- Stuart, Duncan J. K.: See—  
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- Stuart, Frank A.: See—  
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- Stubbs, Ralph R., to Westinghouse Electric Corp. Automatically controlled bandwidth amplifier. 2,917,572, 12-15-59, Cl. 178-5.4.
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- Stuck, Harold D., to John W. Bolton & Sons, Inc. Apparatus and method for disintegrating fibrous material. 2,911,334, 11-3-59, Cl. 162-17.
- Stucka, Edward P., to Minneapolis-Honeywell Regulator Co. Control apparatus. 2,898,048, 8-4-59, Cl. 236-87.
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- Stuckey, James M.: See—  
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- Stucki, Hans R., to Celanese Corp. of America. Voluminous yarn. 2,869,318, 1-20-59, Cl. 57-157.
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- Stultz, Posy G., Jr.: See—
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- Stultz, Samuel E. Separable and reversible snap fastener. 2,896,287, 7-28-59, Cl. 24-211.
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- Sugden, Clifford N., to Manning, Maxwell & Moore, Inc. Instrument dial. 2,880,692, 4-7-59, Cl. 116-129.
- Sugg, George M. Pivoting davit. 2,885,152, 5-26-59, Cl. 214-1.
- Suggs, Thomas F., to Cocker Machine & Foundry Co. Measuring and recording mechanism. 2,877,082, 3-10-59, Cl. 346-123.
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- Sullivan, Cornelius J.: See—
- Roper, Edward H., and Sullivan. 2,870,323.
- Sullivan, Donald L. Automatic feeder for vertebrate. 2,869,638, 1-20-59, Cl. 161-10.
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- Sullivan, Frank A. V.: See—
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- Sullivan, George C. Method of manufacturing gun barrels. 2,901,814, 9-1-59, Cl. 29-1.1.
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- Sullivan, Michael V., to Bell Telephone Laboratories, Inc. Burst separator for color television. 2,901,532, 8-25-59, Cl. 178-54.
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- Sulzer, Fred. Aluminum smoking pipe. 2,884,931, 5-5-59, Cl. 131-220.
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- Swan, George D. Awning. 2,886,104, 5-12-59, Cl. 160-273.
- Swan, George D. Screen panel and method of making the same. 2,886,481, 5-12-59, Cl. 154-116.
- Swan, Harold A. Razor with slow motion reciprocating blade and hydraulic actuating means. 2,904,882, 9-22-59, Cl. 30-42.
- Swan, Harold A. Actuator for reciprocating razor. 2,904,883, 9-22-59, Cl. 30-42.
- Swan, Harold A. Mistless turbine nozzle for use as a sprinkler and shower head. 2,905,394, 9-22-59, Cl. 239-381.
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- Swan, Kenneth L.: See—  
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- Swan, Morris R.: See—  
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- Swaney, Robert C., to The Hot Oil Heater Co., Inc. Temperature turbulence roll-type drier. 2,902,774, 9-8-59, Cl. 34-124.
- Swaney, Robert C., to The Hot Oil Heater Co., Inc. Heat exchanger system. 2,910,972, 11-3-59, Cl. 122-136.
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- Swanson, Bernard A. Methods of increasing the work efficiency of a tool by generation of a sympathetic vibration condition in the mass being worked, and high speed engines for employing said methods. 2,911,951, 11-10-59, Cl. 121-17.
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- Swanson, Carl G. A., to Lake Erie Machinery Corp. Mandrel positioning and ram arresting apparatus. 2,896,783, 7-28-59, Cl. 207-3.
- Swanson, Carl J. Expandable rule. 2,909,841, 10-27-59, Cl. 33-161.
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- Sweeney, Maxwell P., to United Engineers & Constructors Inc. Process for the pyrolysis and gasification of hydrocarbonaceous materials. 2,884,368, 4-28-59, Cl. 208-53.
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- Swinnerton, Gerald, to Supreme Photo Products, Inc. Magazine type record cord projector. 2,880,647, 4-7-59, Cl. 88-28.
- Swint, John H. Fly swatter. 2,891,347, 6-23-59, Cl. 43-137.
- Swisher, Max B. Self-propelled riding vehicle. 2,879,859, 3-31-59, Cl. 180-26.
- Swisher, Max B., to Swisher Mower and Machine Co., Inc. Self-propelled riding lawn mower. 2,899,793, 8-18-59, Cl. 56-23.4.
- Swisher Mower and Machine Co., Inc.: See—  
Swisher, Max B. 2,899,793.
- Switches, Inc.: See—  
Wolf, Walter A. 2,912,537.
- Switlik Parachute Co., Inc.: See—  
Moran, Harold J. 2,886,835.  
Moran, Harold J. 2,887,286.  
Moran, Harold J. 2,902,737.
- Switzer Brothers, Inc.: See—  
Betz, Carl E. 2,883,549.  
Gaunt, Thomas N. 2,895,917.
- Switzer, Harold K. Fishing line retriever. 2,889,655, 6-9-59, Cl. 43-17.2.
- Switzer, Robert L.: See—  
Berg, Clyde H. O. Clark, Hines, and Switzer. 2,907,342.  
Bewley, William L., Hotz, and Switzer. 2,895,885.  
Hotz, John L., and Switzer. 2,892,758.  
Liefers, William C., Riddick, and Switzer. 2,891,069.  
Liefers, William C., Riddick, and Switzer. 2,913,404.  
Liefers, William C., Riddick, and Switzer. 2,914,460.  
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- Switzer, Robert L., to Union Oil Co. of California. Continuous low speed rotary mechanism. 2,874,544, 2-24-59, Cl. 60-97.
- Switzer, Robert L., to Union Oil Co. of California. Shale retorting apparatus and process. 2,895,884, 7-21-59, Cl. 202-6.
- Switzer, Robert L., to Union Oil Co. of California. Hydraulic system control. 2,917,029, 12-15-59, Cl. 121-158.
- Swords, Robert W. Apparatus for boring and facing work pieces. 2,896,308, 7-28-59, Cl. 29-26.
- Syde, Albert A., to M. A. Stillner. Conveyor belt. 2,896,773, 7-28-59, Cl. 198-201.
- Sydney Accessories, Inc.: See—  
Kushynski, Leon, and Wolock. 2,914,105.
- Sydney-Thames Corp., The: See—  
Cochrane, Richard H. 2,882,666.
- Sydow, Herbert: See—  
Fischer, Karl, Sydow, and Streckebach. 2,902,455.
- Syeles, Albert M.: See—  
Adams, Edmond, Haben, and Syeles. 2,873,225.
- Syfonex (Pty) Ltd.: See—  
Leech, Harold C. 2,912,018.
- Sykes, Charles: See—  
Kirkby, Henry W., and Sykes. 2,880,085.
- Sykes, Julian J., Jr., to Continental Motors Corp. Engine construction. 2,914,137, 11-24-59, Cl. 184-6.
- Sykes, Robert E., to Bell & Gossett Co. Spray gun. 2,888,207, 5-26-59, Cl. 239-301.
- Sykes, Robert E., to Bell & Gossett Co. Flapper valve. 2,894,528, 7-14-59, Cl. 137-238.
- Sykes, Robert E., to Bell & Gossett Co. Compressor. 2,899,130, 8-11-59, Cl. 230-182.
- Syler, Harrison B. Disc-dialing keyless lock. 2,885,881, 5-12-59, Cl. 70-146.
- Sylvan, Joseph. Frame structure. 2,918,994, 12-29-59, Cl. 189-36.
- Sylvan, Stig, to American Air Filter Co., Inc. Mechanical dry tubular-stocking dust collector of the traversing reverse-jet blow ring or self cleaning type. 2,885,028, 5-5-59, Cl. 183-51.
- Sylvania Electric Products Inc.: See—  
Adams, John E. 2,872,621.  
Addleman, Lloyd A. 2,896,075.  
Allen, John K. 2,904,625.  
Allgaler, William A. 2,881,298.  
Arnaut, Arnold D., and Saubestre. 2,907,702.  
Bartram, Ralph H. 2,903,619.  
Bartram, Ralph H. 2,903,620.  
Bartram, Ralph H. 2,915,666.  
Bates, Charles K. 2,893,623.  
Bell, William B. 2,915,165.  
Bowerman, Edwin R. 2,905,539.  
Bowerman, Edwin R., and Saubestre. 2,874,104.  
Bowie, Robert M. 2,883,659.  
Brewster, Dudley N. 2,900,568.  
Broadbent, Bernard G., and Hemphill. 2,879,421.  
Brocker, Dale C. 2,887,661.  
Bulan, Edward P. 2,872,302.  
Burdick, Glen A. 2,898,493.  
Butler, Keith H. 2,898,302.  
Butler, Keith H., Homer, and Rulon. 2,919,249.  
Butler, Keith H., Homer, and Thomas. 2,878,137.  
Butler, Keith H., and Rulon. 2,919,250.  
Butler, Keith H., and Thomas. 2,919,365.  
Calebuff, James M., and Reiter. 2,878,620.  
Calebuff, James M., Reiter, and Skowronski. 2,915,201.  
Carlstrom, Ture H. 2,915,355.  
Carlzen, Carl F. 2,893,597.  
Carlzen, Carl F., and Lehner. 2,873,513.  
Carlzen, Carl F., and Lehner. 2,903,697.  
Chipman, Jack R. 2,877,292.  
Coggins, Donald I. 2,900,701.  
Court, Patrick R. J. 2,877,300.  
Cresswell, Stephen G. 2,893,027.  
Cresswell, Stephen G., and Rupert. 2,911,015.  
Cresswell, Stephen G., and Scherling. 2,892,008.  
Cross, Donald J., and Scanlon. 2,897,681.  
Danner, Jack D., and Rogers. 2,912,351.  
Davis, Joseph E. 2,892,023.  
Davis, Joseph E. 2,892,024.  
Davis, Joseph E. 2,894,059.  
Dawson, John W. 2,892,156.  
Doran, Robert F. 2,918,763.  
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Dry, John H., Jr. 2,890,369.  
Dufault, George J. 2,877,379.  
Dwork, Leo E., and Huang. 2,901,612.  
Eisenberg, Philip H. 2,872,312.  
Evans, Lyle W., and LaRuff. 2,873,189.  
Evans, Lyle W., Rychlewski, and Wilson. 2,898,226.  
Fallier, Charles N., Jr. 2,919,411.  
Feinstein, Lester. 2,898,503.  
Fisher, Claude F. 2,884,743.  
Fortney, David F. 2,917,463.  
Frederichs, Kenneth E. 2,915,103.  
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Gannoe, Thomas E. 2,885,117.  
Gardner, Roland M., Yeo, and Preston. 2,880,494.  
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- Gartner, Stanley J. 2,894,202.  
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Gartner, Stanley J., and De Lucia. 2,889,446.  
Gehrke, Forrest E., and Granger. 2,867,032.  
George, Daniel E. 2,906,868.  
Geppert, Donovan V. 2,897,456.  
Grimone, Frank H. 2,871,890.  
Gustlin, Daniel S. 2,878,136.  
Haas, Paul. 2,898,494.  
Hagan, Richard A. 2,890,419.  
Hannab, Wilson H. 2,884,571.  
Harris, Clinton H., and Zill. 2,892,392.  
Harrison, Richard I. 2,919,374.  
Harrison, Richard I., and McKee. 2,869,082.  
Harvey, Joseph S., Jr. 2,912,794.  
Hasselman, Herbert P., and Marshall. 2,885,059.  
Hehisch, Helmut K. 2,877,309.  
Hooper, Brian E. 2,888,607.  
Huang, Chaang. 2,901,638.  
Huang, Chaang. 2,912,596.  
Huang, Chaang. 2,913,704.  
Huang, Chaang. 2,919,355.  
Huang, Chaang, and Slobodzinski. 2,892,100.  
Hunt, Robert E. 2,891,668.  
Hutchins, Erwin F. 2,911,569.  
Iorio, Stanley A. 2,897,393.  
Karlshuber, Gerald W. 2,909,067.  
Kautz, George R., Kuryla, and Smithgall. 2,916,644.  
Kerstetter, Donald R. 2,872,611.  
Kerstetter, Donald R. 2,904,717.  
Kerstetter, Donald R., and Sassaman. 2,889,483.  
Kimball, Lawrence W. 2,918,938.  
King, Harry C. 2,904,617.  
King, Harry C., and Hough. 2,889,477.  
Koury, Frederick. 2,878,394.  
Kuryla, Alan T. 2,884,312.  
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Lawson, Bert E. A. 2,918,721.  
Lehner, William L. 2,869,497.  
Lempicki, Alexander. 2,890,350.  
Livingston, Donald C. 2,874,308.  
Livingston, Donald C. 2,881,360.  
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Longacre, Henry C. M. 2,876,324.  
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Lutz, Henry J., and Doran. 2,880,671.  
MacBride, Herbert L. 2,909,019.  
Martin, Eugene J. 2,897,252.  
Matara, Herbert F. 2,897,329.  
Matara, John. 2,898,556.  
Mech, Henry D. 2,885,586.  
Melchor, Jack L. 2,881,395.  
Moats, Robert R., Dawson, and Pease. 2,916,656.  
Nimblett, Albert H., Jr. 2,917,243.  
O'Brien, James P., Stacey, and Yeo. 2,916,056.  
Otto, Fred B. 2,874,331.  
Peck, Sanford C., Jr. 2,904,711.  
Pifer, Marion J. 2,880,040.  
Pifer, Marion J. 2,898,586.  
Pifer, Marion J. 2,915,732.  
Pleak, Horace C. 2,869,104.  
Ralkien, Hyman I. 2,900,254.  
Regelman, La Rue V. 2,897,468.  
Reiter, William L., Gartner, and Roebor. 2,872,949.  
Rindone, Guy E. 2,900,631.  
Rishell, George L. 2,878,408.  
Rishell, George L. 2,909,699.  
Rishell, George L. 2,915,172.  
Ritchey, Norman B. 2,917,688.  
Roebor, Henry W. 2,868,240.  
Roebor, Henry W. 2,905,802.  
Roebor, Henry W. 2,914,981.  
Roebor, Henry W. 2,915,200.  
Roof, Richard L. 2,868,546.  
Roof, Richard L. 2,889,194.  
Rothschild, Gertrude N. 2,915,041.  
Rufus, David. 2,881,347.  
Rulon, Richard M., and Drew. 2,900,545.  
Rupert, Kenneth C. 2,911,348.  
Rychlewski, Thaddeus V. 2,903,378.  
Rychlewski, Thaddeus V. 2,916,394.  
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Saubestre, Edward B., and Rulon. 2,900,313.  
Saunders, Clarence H. 2,869,217.  
Say, Donald. 2,894,165.  
Seaton, William F. 2,903,689.  
Schreiber, William F. 2,870,369.  
Schreiber, William F. 2,903,616.  
Schwartz, Bernard. 2,879,433.  
Serang, Abdulcafoor M. 2,875,362.  
Shappell, Stanley C. 2,916,603.  
Smith, Charles P., and J. M. 2,914,900.  
Smithgall, Harry E. 2,915,953.  
Squires, William K. 2,878,311.  
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- Sylvania Electric Products Inc.: See—Continued
- Squires, William K. 2,894,060.  
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Stoll, Kenneth M. 2,916,648.  
Stone, Elmer O. 2,872,616.  
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Taylor, Franklin E., and Akrell. 2,885,546.  
Terry, Roger M., O'Brien, and Yeo. 2,906,580.  
Thalner, Robert R. 2,892,019.  
Thomas, Martha J., and Butler. 2,901,647.  
Thomas, Ralph B. 2,896,187.  
Thomas, Ralph B., and Mann. 2,919,422.  
Thornton, Clarence G. 2,891,203.  
Watts, Earl F. 2,871,893.  
Watkins, Donald B. 2,871,694.  
Wheeler, William R. 2,872,009.  
White, Loring C. 2,916,643.  
Wiley, Verlis H., Rug, and Trefethen. 2,890,387.  
Wilkinson, Leonard A. 2,901,955.  
Williams, Theo W. 2,873,610.  
Woods, William C. 2,892,135.  
Yando, Stephen. 2,872,523.  
Yando, Stephen. 2,875,383.  
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Yeo, Ernest E., and Maloney. 2,906,416.  
Zack, Albert, Wroblewski, and De Merritt. 2,915,811.
- Sylvester, Karl J., to F. L. Smith. Method and apparatus for cooling material in bulk. 2,879,983, 3-31-59, Cl. 263-32.
- Sylvester, Karl J., to F. L. Smith & Co. Apparatus for heating finely divided materials. 2,895,231, 7-21-59, Cl. 34-56.
- Sylvester, Arthur D., and A. H. Scheiding, to L. E. Carpenter & Co., Inc. Surface ornamentation of flexible sheet materials and method of making tools for producing such ornamentation. 2,875,543, 3-3-59, Cl. 41-19.
- Sylvester, Edmund Q., to Griffin Wheel Co. Forming riser openings. Re. 24,653, 6-2-59, Cl. 22-9.
- Sylvester, Edmund Q., to Griffin Wheel Co. Casting method and apparatus. 2,912,728, 11-17-59, Cl. 22-69.
- Sylvester, Ernest N. Solar penetration indicator. 2,884,697, 5-5-59, Cl. 33-1.
- Sylvester, Frederick F., to Steatite Research Corp. Printed circuit for array of toroidal cores. 2,901,736, 8-25-59, Cl. 340-174.
- Sylvester, Herbert S.: See—  
Golub, Lillian L., and Sylvester. 2,912,385.
- Sylvester, John D., and E. E. Messmer, to Amsco Packaging Machinery, Inc. Merchandise container and method of making a merchandise package therefrom. 2,873,566, 2-17-59, Cl. 53-29.
- Sylvester, John D., E. E. Messmer, and J. D. Keenan, Jr., to Amsco Packaging Machinery, Inc. Machine for forming edge seal closures on bags. 2,913,863, 11-24-59, Cl. 53-373.
- Sylvester, Joseph, to Penn-Union Electric Corp. Weld fitting. 2,885,462, 5-5-59, Cl. 174-94.
- Sylvester, Joseph, to Penn-Union Electric Corp. Connector. 2,887,669, 5-19-59, Cl. 339-263.
- Sylvester, Joseph, to Penn-Union Electric Corp. Electrical bus support. 2,905,743, 9-22-59, Cl. 174-73.
- Sylvester, Ralph W., to A. Reih & Sons, Inc. Filling valve assembly for canning machine. 2,877,813, 3-17-59, Cl. 144-250.
- Sylvester, Walter G., to Specialties Development Corp. Rotary resilient coupling. 2,906,107, 9-29-59, Cl. 64-27.
- Symak Sales Co. Ltd.: See—  
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- Symington-Gould Corp., The: See—  
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- Symington Wayne Corp.: See—  
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Cope, Geoffrey W. 2,907,475.  
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- Symman, William D., to Crown Engineering Corp. Hydraulically operated power mechanism. 2,869,327, 1-20-59, Cl. 60-97.
- Symon, Ted, to Universal Oil Products Co. Stabilization of lubricants. 2,910,437, 10-27-59, Cl. 252-32.
- Symons, Arthur H., to Symons Clamp & Mfg. Co. Scaffold. 2,882,099, 4-14-59, Cl. 304-2.
- Symons Brothers Co.: See—  
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- Symons Clamp & Mfg. Co.: See—  
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- Symons, Edgar P., to Symons Brothers Co. Grain cutters with opposed eccentrically rotating blades. 2,884,036, 4-28-59, Cl. 146-71.5.



- Symons, Norman K. J., to E. I. du Pont de Nemours and Co. Process of incorporating colloidal carbon in polycapromide. 2,868,757, 1-13-59, Cl. 260-37.
- Symons, Norman K. J., to E. I. du Pont de Nemours and Co. Silica-filled polycapromide. 2,874,139, 2-17-59, Cl. 260-37.
- Symons, Robert S.: See—
- Nelson, Richard B., and Symons. 2,895,110.
- Synco Corp.: See—
- Carmichael, Thomas F. 2,878,404.
- Jacob, Allan S. 2,900,591.
- Synco Machine Co.: See—
- Bruestle, Carl O. 2,884,120.
- Gieseke, Edward P. 2,903,842.
- Syndicate Glass Inc.: See—
- MacAleese, Robert H. 2,891,680.
- Synergistics, Inc.: See—
- Halpern, Alfred. 2,878,252.
- Halpern, Alfred. 2,914,442.
- Synstegard, Alfred C. Cable laying device. 2,900,170, 8-18-59, Cl. 254-134.3.
- Syntex S.A.: See—
- Djerassi, Carl, and Rosenkranz. 2,877,237.
- Djerassi, Carl, and Rosenkranz. 2,899,427.
- Djerassi, Carl, and Rosenkranz. 2,906,750.
- Djerassi, Carl, and Rosenkranz. 2,906,751.
- Djerassi, Carl, Stork, Rosenkranz, and Sondheimer. 2,885,397.
- Kinci, Fred A., Ringold, and Rosenkranz. 2,906,758.
- Mancera, Octavio, Rosenkranz, and Sondheimer. 2,890,227.
- Ringold, Howard J., and Batres. 2,897,199.
- Ringold, Howard J., Kinci, and Batres. 2,895,969.
- Ringold, Howard J., and Rosenkranz. 2,888,474.
- Ringold, Howard J., and Rosenkranz. 2,891,077.
- Ringold, Howard J., and Rosenkranz. 2,905,693.
- Ringold, Howard J., and Rosenkranz. 2,918,481.
- Ringold, Howard J., Sondheimer, and Rosenkranz. 2,888,470.
- Ringold, Howard J., Sondheimer, and Rosenkranz. 2,889,346.
- Rosenkranz, George, and Romo. 2,867,616.
- Rosenkranz, George, and Sondheimer. 2,910,455.
- Sondheimer, Franz, Mancera, and Rosenkranz. 2,877,242.
- Sondheimer, Franz, Romo, Rosenkranz, and Djerassi. 2,911,403.
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- Sondheimer, Franz, and Rosenkranz. 2,900,382.
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- Stork, Gilbert, Ringold, Sondheimer, and Rosenkranz. 2,874,154.
- Syntro Co.: See—
- Brayshaw, Stanley E. 2,904,731.
- Gilbert, Walter E. 2,915,500.
- Hitchcock, Richard C., and Weir. 2,869,065.
- East, George, Gilbert, and Scott. 2,885,617.
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- Spruit, William V. 2,874,667.
- Syring, Jean V.: See—
- Gill, Douglas, and Syring. 2,875,630.
- Syring, Jean V., to General Motors Corp. Mechanical movement device. 2,875,631, 3-3-59, Cl. 74-424.8.
- Syrov, Augustin J.: See—
- Neracher, Carl A., Dunn, Iavelli, and Syrov. 2,917,141.
- Neracher, Carl A., Dunn, Iavelli, Syrov, and Schotz. 2,916,929.
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- Neracher, Carl A., Dunn, Iavelli, Syrov, and Schotz. 2,916,940.
- Neracher, Carl A., Dunn, Syrov, and Schotz. 2,916,936.
- Systematic Parking Co.: See—
- Sanders, Leon D. 2,901,129.
- Syz, Werner, and P. Müller, to Aluminium-Industrie-Aktien-Gesellschaft. Method for replacing the pot of an electrolytic cell for the production of aluminum. 2,874,103, 2-17-59, Cl. 204-67.
- Szabo, Gyozo and P. Utility cleaner and brush. 2,879,532, 3-31-59, Cl. 15-122.
- Szabo, Henrik, to Telefonaktiebolaget L. M. Ericsson. Magnet core for pulse motors. 2,909,685, 10-20-59, Cl. 310-191.
- Szabo, Joseph F.: See—
- Pucher, Leo E., Cunningham, and Szabo. 2,880,258.
- Szabo, Joseph L., and W. F. Bruce, to American Home Products Corp. Aliphatic and allylic diamines and salts thereof. 2,868,833, 1-13-59, Cl. 260-501.
- Szabo, Joseph L., and W. F. Bruce, to American Home Products Corp. Heterocyclic diamines and salts thereof. 2,876,236, 3-3-59, Cl. 260-332.2.
- Szabo, Paul. Shrinkage counter for looms. 2,896,329, 7-28-59, Cl. 33-129.
- Szabo, Piroška: See—
- Szabo, Gyozo and P. 2,879,532.
- Szady, Leopold T., to Formspag Co. Sprag assembly for one-way clutches. 2,883,023, 4-21-59, Cl. 192-45.1.
- Szaloki, Zoltan: See—
- Grishin, Peter F., Szaloki, and Zimmermann. 2,880,679.
- Szaloki, Zoltan, to Whitin Machine Works. Machine for opening and cleaning fibrous material. 2,900,671, 8-23-59, Cl. 19-93.
- Szaruga, Joseph A.: See—
- Rappaport, George, Szaruga, and Wall. 2,895,926.
- Szarvasi, Etienne: See—
- Servigne, Marcel, Szarvasi, and Neuwy. 2,868,850.
- Szasz, Emory, 1/2 to S. Josephson. Stepless gearing, suitable for driving travelling grates or similar devices. 2,894,402, 7-14-59, Cl. 74-117.
- Szasz, Stefan E., to Sinclair Oil & Gas Co. Subterranean interface locator. 2,894,200, 7-7-59, Cl. 324-10.
- Szatkowski, Witold, to The British Oxygen Co. Ltd. Method of reducing the hydride content of acetylene generated from calcium carbide. 2,908,546, 10-13-59, Cl. 23-3.
- Szayna, Antoni, to United States Rubber Co. Alkyd resins modified with mono-allyl maleate end groups. 2,889,312, 6-2-59, Cl. 260-77.
- Sze, Morgan C., and H. W. Wang, to Hydrocarbon Research, Inc. Urea synthesis. 2,913,493, 11-17-59, Cl. 260-555.
- Szechtman, Joshua, to Amroc Inc. Adjustable supports for anodes. 2,919,237, 12-29-59, Cl. 204-225.
- Szegho, Constantin S.: See—
- Joseph, Perry R., Pakswier, and Szegho. 2,874,077.
- Pakswier, Perry R., and Szegho. 2,879,182.
- Szegvari, Andrew. Valve mechanism, etc. and use thereof. 2,913,115, 11-17-59, Cl. 209-379.
- Szekely, George L., 1/2 to Z. Aviezer. Knives. 2,877,551, 3-17-59, Cl. 30-283.
- Szigeti, Paul. Protective cover for an eye. 2,896,615, 7-25-59, Cl. 128-132.
- Sziklai, George C., to Radio Corp. of America. Phase comparison. 2,876,382, 3-3-59, Cl. 315-27.
- Sziklai, George C., and R. D. Lohman, to Radio Corp. of America. Signalling systems. 2,883,454, 4-21-59, Cl. 178-7.5.
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- Sziklai, George C., to Radio Corp. of America. Magnetic switching circuits. 2,905,754, 9-22-59, Cl. 178-5.4.
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- Szpila, Jerome S.: See—
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- Taddeo, Fausto V., to Hughes Aircraft Co. Comparison circuit. 2,905,887, 9-22-59, Cl. 324-68.
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- Clark, Joe H., and Taft. 2,891,953.
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- Taggart, Robert E., to Lynch Corp. Carton blank feeder and gluer. 2,877,737, 3-17-59, Cl. 118-212.
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- Miki, Takuchi, and Hara. 2,891,068.
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- Hornluz, James W. 2,919,085.
- Talarico, Lawrence J., and F. P. Travisano. Hospital bed. 2,887,691, 5-26-59, Cl. 5-62.
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- Talbert, Thomas L. Anti-snagging device for fishhooks. 2,874,509, 2-24-59, Cl. 43-43.2.
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- Talbot, Howard H., to United Engineering and Foundry Co. Cushioning apparatus for reciprocating elements. 2,917,305, 12-15-59, Cl. 267-75.
- Talbot, Richard C.: See—
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- Talbot, Warren, to Minneapolis-Honeywell Regulator Co. Liquid level sensing means. 2,894,390, 7-14-59, Cl. 73-295.
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- Talge, Henry J.: See—  
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- Talley, Walter J., to The Pure Oil Co. Pallet for moving and storing cardboard. 2,885,241, 5-5-59, Cl. 294-67.
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- Tallman, John. Central delivery hay rake. 2,893,192, 7-7-59, Cl. 56-27.
- Tallon, James B., and H. M. Crapse. Motor support. 2,915,624, 12-1-59, Cl. 248-9.
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- Talmadge, Howard A., to United Aircraft Corp. Clamp. 2,867,883, 1-13-59, Cl. 24-279.
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- Talmey, Paul, to General American Transportation Corp. Temperature control systems for railway refrigerator cars, or the like. 2,887,853, 5-26-59, Cl. 62-160.
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Brown, Alexander M. 2,894,305.  
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Swan, Allan O. 2,871,539.  
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- Tamarin, Bernard J. Torpedo-type cleaner with detachable cord reel. 2,877,488, 3-17-59, Cl. 15-323.
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- Tamarin, Richard B.: See—  
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- Tambini, Robert L.: See—  
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- Tamura Works, Ltd.: See—  
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- Tanabe, Takashi: See—  
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- Tanaka, Keiji: See—  
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- Tancred, William L.: See—  
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- Tancred, William L., to The W. N. Borg Corp. Relay. 2,892,058, 6-23-59, Cl. 200-104.
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- Tangel Material Handling Equipment, Inc.: See—  
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- Tangeman, Larry: See—  
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- Tangen, Orland W.: See—  
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- Taniguchi, Fumio. Electrically heated boiling water pot. 2,868,945, 1-13-59, Cl. 219-44.
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- Tanke, Willard H., and W. L. Voegel, to Allis-Chalmers Mfg. Co. Power lift system. 2,914,125, 11-24-59, Cl. 172-8.
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- Tann, David. Variable pitch pulley. 2,883,870, 4-28-59, Cl. 74-230.17.
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- Tann, David. Washing and drying machines. 2,895,232, 7-21-59, Cl. 34-95.
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- Tanner, Charles L., to Tanner Engineering Co. Fluid pressure seal ring. 2,873,132, 2-10-59, Cl. 288-19.
- Tanner, Charles L. Reinforced seal ring. 2,898,167, 8-4-59, Cl. 309-23.
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- Tanner, David S. Swivel stand for model airplanes. 2,910,260, 10-27-59, Cl. 248-181.
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- Tanner, Harley L., III: See—  
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- Tanzola, William A., and J. R. Schleber, to Betz Laboratories, Inc. Liquid dispensing mechanism. 2,867,354, 1-6-59, Cl. 222-64.
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- Tapeswitch Corp. of America: See—  
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- Taplin, John F. Manostat. 2,879,783, 3-31-59, Cl. 137-116.3.
- Taplin, John F., to Fairchild Engine and Airplane Corp. Differential pressure-responsive regulating means. 2,918,074, 12-22-59, Cl. 137-86.
- Taplin, William H., and G. H. Harris, to The Dow Chemical Co. Process for producing aromatic acids. 2,906,775, 9-29-59, Cl. 260-24.
- Tapp, Ernest A.: See—  
Frakes, Hershal S. 2,879,892.
- Tapp, Ernest T. J., and J. Davey, to County Commercial Cars Ltd. Mountings for driven wheels of motor vehicles. 2,882,984, 4-21-59, Cl. 180-1.
- Tapp, Ernest T. J., and J. Davey, to County Commercial Cars Ltd. Implement supporting mechanism for tractors. 2,918,131, 12-22-59, Cl. 172-445.
- Tapp, Harry F., to Gilbert & Barker Mfg. Co. Switch mechanism for storage tank level measuring apparatus. 2,901,567, 8-25-59, Cl. 200-65.
- Tapp, James F.: See—  
Frakes, Hershal S. 2,879,892.
- Tapp, Raymond P. J., to Market Transport Ltd. Loading and unloading apparatus carried by vehicles. 2,911,118, 11-3-59, Cl. 214-77.
- Tappan Co., The: See—  
Lantz, Ray F., Scott, Perl, and Clark. 2,911,810.
- Tapper, Robert. Epilation device. 2,894,512, 7-14-59, Cl. 128-303.18.
- Tarantino, Thomas R.: See—  
Brouillard, Robert E., and Tarantino. 2,900,390.
- Taras, John: See—  
Randall, David L., and Taras. 2,873,279.  
Randall, David L., and Taras. 2,908,544.  
Randall, David L., and Taras. 2,914,542.  
Randall, David L., Wolk, and Taras. 2,914,538.
- Tarbes, Pierre, to Société Nouvelle de l'Outillage R. B. V. et de la Radio-Industrie. Photoresistive cells. 2,875,308, 2-24-59, Cl. 201-63.
- Tarbox, George R., to Eastern Malleable Iron Co. Hammer. 2,884,970, 5-5-59, Cl. 145-36.
- Tarbox, John P. Physician's bag. 2,870,904, 1-27-59, Cl. 306-12.
- Tarbox, John P. Stimulated baseball game apparatus. 2,886,318, 5-12-59, Cl. 273-88.
- Tarbox, Richard P.: See—  
Newworth, Martin B., Paterson, and Tarbox. 2,904,593.
- Tarbuch, Robert R.: See—  
Epstein, Herman, and Tarbuch. 2,917,996.
- Tarbuch, Robert R., to Burroughs Corp. Tape feeding system. 2,869,684, 1-20-59, Cl. 188-78.
- Tarby, Stephen E.: See—  
Alles, Warren, George, and Tarby. 2,874,451.
- Tarex S.A.: See—  
Bergonzo, Pierre. 2,903,924.
- Tarin, Lillian. Pouring spout for cartons. 2,878,966, 3-24-59, Cl. 222-90.
- Tarleton, Frederic L., to General Electric Co. Refrigerator cabinet construction. 2,880,049, 3-31-59, Cl. 312-296.
- Tarleton, Howard A., and E. H. Rothrock, to Black, Starr & Gorham. Cigarette case. 2,897,958, 8-4-59, Cl. 206-41.
- Tarleton, Frank H., to Rolls-Royce Ltd. Vehicle power steering apparatus. 2,870,645, 1-27-59, Cl. 74-388.
- Tarleton, Russell A., to Westinghouse Electric Corp. Laminated magnetic stack. 2,880,498, 4-7-59, 29-196.1.
- Tarmann, Bruno, and R. Obauer, to Gebr. Bohler & Co. Akt. Process of making drop-forgings. 2,871,557, 2-3-59, Cl. 29-528.
- Tarmy, Barry L.: See—  
Houston, Robert W., Tarmy, and Long. 2,904,484.
- Tarmy, Barry L., and R. B. Long, to Esso Research and Engineering Co. Radiochemical treatment of heavy oils. 2,904,485, 9-15-59, Cl. 204-154.
- Tarr, Thomas A., to Phillips Petroleum Co. Fractional crystallization process and apparatus. 2,874,199, 2-17-59, Cl. 260-666.
- Tarr, Thomas A., to Phillips Petroleum Co. Separation by crystallization. 2,885,431, 5-5-59, Cl. 260-475.
- Tarrant, Fred K. Machine for picking up litter. 2,918,694, 12-29-59, Cl. 15-350.
- Tarrant, James H.: See—  
Wells, Daniel M., and Tarrant. 2,881,693.
- Tarrant, Paul, to Dow Corning Corp. Halocyclobutyl substituted organosilicon compounds. 2,911,428, 11-3-59, Cl. 260-448.2.
- Tarschisch, Harry: See—  
Leonard, Edward J., Hemel, Karow, Gibson, Liston, and Tarschisch. 2,918,533.
- Tarsey, Alexandre R.: See—  
Davis, Delmar B., and Tarsey. 2,890,100.
- Tarsey, Alexandre R., and W. D. Guthrie, to Titanium Metals Corp. of America. Purification of titanium tetrachloride with copper. 2,871,094, 1-27-59, Cl. 23-87.
- Tarsio, Peter J., and L. Nicholl, to Kay-Fries Chemicals Inc. Preparation of cytosine and intermediates. 2,892,840, 6-30-59, Cl. 260-256.4.
- Tarsoly, Balázs. Material separator and energy apparatus. 2,875,949, 3-3-59, Cl. 233-27.
- Tarte, Franklin E., Jr. Rotary pocketed target. 2,886,321, 5-12-59, Cl. 273-105.
- Tarte, Franklin E., Jr. Game apparatus. 2,893,734, 7-7-59, Cl. 273-85.
- Tarte, Franklin E., Jr. Tape reel storage device. 2,918,342, 12-22-59, Cl. 312-330.
- Tarukawa, Tomiji. Apparatus for the automatic measurement of an amount of any powdery stock-material. 2,902,188, 9-1-59, Cl. 222-63.
- Tarwid, Wesley A.: See—  
Muehling, Charles L., and Tarwid. 2,914,213.
- Tarwid, Wesley A., to American Can Co. Polyester plasticized vinyl polymer organosol composition. 2,918,443, 12-22-59, Cl. 260-32.8.
- Tarzan, George M., to American Special Machine Co. Drive mechanism for automatic assembly machines. 2,903,914, 9-15-59, Cl. 74-820.
- Tascher, Paul J. Abrasive flux and flush control system for dental apparatus. 2,875,521, 3-3-59, Cl. 32-58.
- Tashiro, Frank K. Shot-type fishing sinker. 2,904,924, 9-22-59, Cl. 43-44.89.
- Tashjian, Aram: See—  
Kraft, Leon J. 2,868,193.
- Tashjian, Harry J.: See—  
Wilson, Lawrence A., Durfee, and Tashjian. 2,900,831.
- Tassara, Luigi, to Metal-Lux S. r. l. Continuous variation potentiometer. 2,873,338, 2-10-59, Cl. 201-55.
- Tassie, John W. D., to Advance Glove Mfg. Co. Finger cot. 2,882,528, 4-21-59, Cl. 2-21.
- Tast, Glen O.: See—  
Steele, Roger C., and Tast. 2,870,693.
- Tatay, Frank. Portable, extensible air conditioner. 2,917,128, 12-15-59, Cl. 181-36.
- Tate, Bryce E.: See—  
Bavley, Abraham, and Tate. 2,899,457.  
Bavley, Abraham, and Tate. 2,899,462.
- Tate, Clifford E., and P. J. G. Freeman, to Marconi's Wireless Telegraph Co. Ltd. Transceiver with automatic bias control of modulator. 2,894,122, 7-7-59, Cl. 250-13.
- Tate, Edward E.: See—  
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- Tate, Lester R., Kaye, and Tate. 2,916,756.
- Tate, Lester R., Kaye, and Tate. 2,916,757.
- Tate, Francis E. G.: See—  
Scott, Gerald, and Tate. 2,889,381.
- Tate, George E.: See—  
Arnold, Stanfield N., and Tate. 2,909,158.
- Tate, George E., to Foster Wheeler Corp. Method for generating vapor. 2,895,456, 7-21-59, Cl. 122-406.
- Tate, Roger W., to Esso Research and Engineering Co. Fractionation in coker scrubber of heavy gas oils containing a high concentration of metal contaminants. 2,901,416, 8-25-59, Cl. 208-82.
- Tate, Roger W., W. A. Rex, deceased (V. C. Rex, administrator), and C. E. Hemminger, to Esso Research and Engineering Co. Method of controlling oxidation state of hydroforming catalysts. 2,873,248, 2-10-59, Cl. 208-136.
- Tate, Roger W., and R. J. Volkman, to Delavan Mfg. Co. Liquid spray nozzle. 2,904,263, 9-15-59, Cl. 239-494.
- Tateishi, Arthur. Mounting for a fan assembly or the like. 2,904,298, 9-15-59, Cl. 248-127.
- Tateishi, Toshio, to Nippon Mishin Seizo Kabushiki Kaisha. Sewing mechanism of sewing machine. 2,873,706, 2-17-59, Cl. 112-181.
- Tatnall Measuring Systems Co.: See—  
Dean, William T., Jr. 2,899,658.  
McClelland, John C. 2,908,163.  
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- Tatsak, Jack E.: See—  
Sherts, William M., Tatsak, and Zurney. 2,873,559.
- Tatsch, Richard. Nested conduits. 2,872,035, 2-3-59, Cl. 206-65.
- Tattersall, Norman, to Leyland Motors Ltd. Motor vehicle driving gear. 2,894,609, 7-14-59, Cl. 192-3.2.
- Taub, George. Dental composition comprising synthetic polymer, solvent therefor, and inorganic filler. 2,877,199, 3-10-59, Cl. 260-32.8.
- Taube, Carl: See—  
Böckmann, Klaus, and Taube. 2,900,379.
- Taube, Carl, Farbenfabriken Bayer Akt. Disazo dyestuffs. 2,886,562, 5-12-59, Cl. 260-161.
- Taube, Carl, and K. Böckmann, to Farbenfabriken Bayer Aktiengesellschaft. Process for improving the fastness properties of dyelings with substantive dyestuffs. 2,912,296, 11-10-59, Cl. 8-74.
- Taubenslag, Morris J., and E. G. May, to United States of America. Navy. D.C. discriminator gating circuit. 2,898,460, 8-4-59, Cl. 250-27.
- Tanber, Robert. Surgical needle, guiding instrument. 2,897,820, 8-4-59, Cl. 128-334.



- Tauber, Samuel P., and G. J. Stinnett, to United States Rubber Co. Sealers for joints. 2,899,876, 8-18-59, Cl. 94-18.
- Taubert, Kurt: See—  
Hennig, Walter, Scheinert, Taubert, and Strehle. 2,911,894.
- Taubes, Ernest P., to Photostat Corp. Photographic developing apparatus. 2,889,762, 6-9-59, Cl. 95-94.
- Taubman, Samuel. Shower door handle. 2,904,368, 9-15-59, Cl. 292-347.
- Taugner, Jack W.: See—  
Coleman, Ivan V., and Taugner. 2,897,273.
- Taunt, James E., to International Business Machine Corp. Tester. 2,895,106, 7-14-59, Cl. 324-158.
- Tausch, Gilbert H., C. B. Corley, Jr., and J. W. Kenneday, to Jersey Production Research Co. Permanent well completion apparatus. 2,888,080, 5-26-59, Cl. 166-192.
- Tausch, Gilbert H., C. B. Corley, Jr., and J. W. Kenneday, to Jersey Production Research Co. Permanent well completion apparatus. 2,894,588, 7-14-59, Cl. 166-192.
- Tausch, Gilbert H., and J. W. Kenneday, to Jersey Production Research Co. Permanent well completion apparatus. 2,906,345, 9-29-59, Cl. 166-189.
- Tauscher, Vernon A., to Northrop Aircraft, Inc. Stepper motor. 2,876,655, 3-10-59, Cl. 74-565.
- Tavan, Lorenzo, and M. Morini, to Montecatini-Societa Generale per l'Industria Mineraria e Chimica. Process for the production of cation exchange resins of the carboxylic type. 2,885,371, 5-5-59, Cl. 260-22.
- Tavannes Watch Co. S. A.: See—  
Maire, Georges. 2,872,775.
- Tavares, Everett A. Rudder. 2,909,143, 10-20-59, Cl. 114-166.
- Tavender, Walter K.: See—  
Reimers, Alfred E., Tavender, and McCormack. 2,880,300.
- Tavender, Walter K., and L. J. McCormack, Jr. Portable steam guns and steam-superheating apparatus therefor. 2,878,360, 3-17-59, Cl. 219-39.
- Tavender, Walter K., and L. J. McCormack, Jr. Removable heating element for pressing-iron sole plate and methods of removably mounting such heating element therein. 2,913,564, 11-17-59, Cl. 219-25.
- Tavener, Ernest E., to Keith Blackman, Ltd. Gas pressure loaded regulator. 2,902,047, 9-1-59, Cl. 137-505.18.
- Taverna, Arthur R., to Allied Research Products, Inc. Addition agent for cadmium plating solution. 2,912,370, 11-10-59, Cl. 204-60.
- Tavernese, Vincent, and A. H. Deatrick: said Tavernese assor. to R. D. Adams. Concentrate entraining injector and mixer. 2,881,781, 4-14-59, Cl. 137-205.5.
- Tavi, Felix. Ski having tensioning means. 2,918,293, 12-22-59, Cl. 280-113.
- Tavis, John R., to Consolidated Electrodynamics Corp. Galvanometer structure. 2,867,770, 1-6-59, Cl. 324-154.
- Tavis, John R., to Consolidated Electrodynamics Corp. Suspension galvanometer. 2,873,427, 2-10-59, Cl. 324-97.
- Tavis, John R., to Consolidated Electrodynamics Corp. Suspension galvanometer. 2,874,353, 2-17-59, Cl. 324-97.
- Tavis, John R., to Consolidated Electrodynamics Corp. Galvanometer structure. 2,886,781, 5-12-59, Cl. 324-154.
- Tavone, Vincent. Reciprocating irrigation sprinkler system. 2,895,680, 7-21-59, Cl. 239-76.
- Tavone, Vincent. Adjustable sprinkler for lawns. 2,895,682, 7-21-59, Cl. 239-281.
- Tawco Products, Inc.: See—  
Williams, Donald L., and Allen. 2,911,051.
- Tayco Developments, Inc.: See—  
Taylor, Paul H. 2,909,398.
- Taylor, Alan W.: See—  
Allen, Robert W., and Taylor. 2,868,590.
- Taylor, Albert J.: See—  
Johnson, James R., and Taylor. 2,905,528.
- Taylor, Allan J., to Northrop Aircraft, Inc. Elevating dolly. 2,896,909, 7-28-59, Cl. 254-9.
- Taylor, Allan J., and A. Toth, to Northrop Corp. Material handling fixture. 2,901,201, 8-25-59, Cl. 248-119.
- Taylor, Allen R.: See—  
Smith, Harry R., and Taylor. 2,917,712.
- Taylor, Arthur K., to Taylor Machine Co. Method and apparatus for registering cylindrical forms. 2,907,274, 10-6-59, Cl. 101-401.1.
- Taylor, Arthur R., to Brown Co. Method and apparatus for pressing fibrous tubing. 2,884,062, 4-28-59, Cl. 162-415.
- Taylor, Arthur S.: See—  
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- Taylor, Arthur S., and Taylor. 2,902,802.
- Taylor, Arthur S., and W. P. Konazewski, to American Cyanamid Co. Method and machine for marking bottle closures. 2,891,468, 6-23-59, Cl. 101-5.
- Taylor, Ashton B. Terminal blocks for electrical trolley systems. 2,884,614, 4-28-59, Cl. 339-263.
- Taylor, Billy W., to Fisher Scientific Co. Fractional distillation apparatus. 2,876,175, 3-3-59, Cl. 202-158.
- Taylor Biscuit Co.: See—  
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- Taylor, Brian: See—  
Bird, Raymond, and Taylor. 2,890,439.
- Taylor, Carl C., and S. L. Pitzer. Flow controllers. 2,915,084, 12-1-59, Cl. 137-501.
- Taylor, Charles A., to Burroughs Corp. Reset mechanism for accelerometers. 2,878,773, 3-24-59, Cl. 116-129.
- Taylor, Charles H.: See—  
Briskin, Theodore S., Lustig, and Taylor. 2,907,532.
- Taylor, Charles L., to General Electric Co. Electronic tube structure. 2,888,590, 5-26-59, Cl. 313-299.
- Taylor, Charles R., to Rockwell Mfg. Co. Hydraulic mechanism. 2,913,990, 11-24-59, Cl. 103-125.
- Taylor, Charles W., to The Goodyear Tire & Rubber Co. Extrusion apparatus. 2,908,938, 10-20-59, Cl. 18-14.
- Taylor, Charles W., and M. E. Komp, to The Goodyear Tire & Rubber Co. Friction composition comprising carbonized elements held in a matrix of uncured material and method for preparing same. 2,885,379, 5-5-59, Cl. 260-38.
- Taylor, Clair A., and D. A. Robbins. Attachment for use in cleaning firearms. 2,877,484, 3-17-59, Cl. 15-210.
- Taylor, Clarence C.: See—  
Leo, Herbert T., and Taylor. 2,910,366.
- Taylor, Claude A.: See—  
Weiden, Artie L. 2,885,296.
- Taylor, Clement F., to General Electric Co. Mass flowmeter motive apparatus. 2,907,208, 10-6-59, Cl. 73-194.
- Taylor, Clyde B.: See—  
Snyder, Robert E., and Taylor. 2,910,309.
- Taylor, Daniel D., to Beckman Instruments, Inc. Mill for comminuting solid material. 2,883,118, 4-21-59, Cl. 241-172.
- Taylor, Daniel D., to Beckman Instruments, Inc. Electrical detonator. 2,918,871, 12-29-59, Cl. 102-70.2.
- Taylor, Donald F., R. L. Baughman, and L. F. Yntema, to Fansteel Metallurgical Corp. Purification of refractory metals. 2,904,430, 9-15-59, Cl. 75-200.
- Taylor, Donald F., R. L. Baughman, and L. F. Yntema, to Fansteel Metallurgical Corp. Method of recovering tantalum and columbium. 2,905,548, 9-22-59, Cl. 75-84.
- Taylor, Donald F., R. L. Baughman, and L. F. Yntema, to Fansteel Metallurgical Corp. Method of recovering refractory metals. 2,905,549, 9-22-59, Cl. 75-84.
- Taylor, Donald F., R. L. Baughman, and L. F. Yntema, to Fansteel Metallurgical Corp. Recovery of refractory metals. 2,905,550, 9-22-59, Cl. 75-84.
- Taylor, Donald J. Self-promoter. 2,867,051, 1-6-59, Cl. 40-78.
- Taylor, Donald R., Jr., and P. Z. Ingberman, to Philco Corp. Deflection system for cathode ray tubes. 2,911,566, 11-3-59, Cl. 313-27.
- Taylor, Donald S., and N. P. Nies, to United States Borax & Chemical Corp. Anhydrous crystalline borate and process for producing same. 2,886,461, 5-12-59, Cl. 106-316.
- Taylor, Douglas E.: See—  
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- Taylor, Douglas E., L. R. Jones, and W. F. Mitchell, to Dictaphone Corp. Control apparatus for remote dictation systems. 2,870,264, 1-20-59, Cl. 179-100.1.
- Taylor, Edward R., Jr., to E. I. du Pont de Nemours and Co. Single phase liquid lubricating, anti-corrosion, anti-acid composition and preparation of same. 2,914,481, 11-24-59, Cl. 252-74.
- Taylor, Edwin A.: See—  
Salt, Albert E., and Taylor. 2,902,755.
- Taylor, Elizabeth H.: See—  
Taylor, John L. 2,916,051.
- Taylor, Elizabeth H. Infant's sleeping bag. 2,888,009, 5-26-59, Cl. 128-134.
- Taylor, Ervin W. Underwater spear gun. 2,888,768, 6-2-59, Cl. 42-1.
- Taylor, F. & Sons (Manchester) Ltd.: See—  
Hurd, Eric W. 2,867,412.
- Taylor, Eric W. 2,887,299.
- Taylor Fibre Co.: See—  
Bowditch, William R., Jr. 2,879,827.
- Taylor, Florence E.: See—  
Sterne, Willard F., and Bright. 2,914,770.
- Taylor, Floyd B., 9% to G. H. Guckert, 18% to H. Beneke, 18% to E. Winters, and 5% to W. J. Threadgill. Pneumatic lock system for vehicles. 2,888,287, 5-26-59, Cl. 292-33.
- Taylor, Floyd L.: See—  
Buehrle, Victor E., Jr., Adrien, and Buehrle. 2,909,250.
- Taylor, Frank C., Jr., and H. L. Aamoth, to The Dow Chemical Co. Method of removing acids from aqueous solutions with phosphate salts of quaternary ammonium anion exchange resins. 2,868,532, 1-13-59, Cl. 260-499.
- Taylor, Frank E. Key case. 2,897,667, 8-4-59, Cl. 70-456.
- Taylor, Frank F., Co., The: See—  
Gill, Donald W. 2,875,815.
- Taylor, Franklin E., and A. Krell, to Sylvania Electric Products Inc. Signal seeking receiver. 2,885,516, 5-5-59, Cl. 250-20.
- Taylor, Frederic W. Hand grip steering wheel. 2,881,638, 4-14-59, Cl. 74-552.
- Taylor, George F.: See—  
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- Taylor, Gordon N. Individual sound system for passenger vehicles. 2,908,766, 10-13-59, Cl. 179-82.
- Taylor, Harlan D., to United Aircraft Corp. Cambered shroud. 2,912,157, 11-10-59, Cl. 230-134.
- Taylor, Harry A. Holder for game sheets. 2,872,215, 2-3-59, Cl. 281-44.

- Taylor, Harry E. Portable picnic table. 2,908,322, 10-13-59, Cl. 155-124.
- Taylor, Howard A. Target device. 2,905,469, 9-22-59, Cl. 273-105.6.
- Taylor, Howard L., Jr.: See—  
Gordon, Thurlow M., Jr., and Taylor. 2,906,827.
- Taylor, Howard S., to Algruide Instrument Co. Magnetic compass. 2,903,798, 9-15-59, Cl. 33-225.
- Taylor, Howard U.: See—  
Roup, Roland R., Hitzeman, Taylor, and Beard. 2,905,564.
- Taylor, Irving R.: See—  
Deffenbaugh, James F., and Taylor. 2,912,564.
- Taylor, Ivan J. High speed camera. 2,906,162, 9-29-59, Cl. 88-16.
- Taylor, Jack A., and G. J. Topol, to Bowser, Inc. Emulsion breaker. 2,883,345, 4-21-59, Cl. 252-360.
- Taylor, James B., III, to American Flange and Mfg. Co. Disposable vent plug. 2,907,489, 10-6-59, Cl. 220-27.
- Taylor, James B., III, and G. W. Barradas, to American Flange and Mfg. Co. Inc. Closure combination and elements thereof. 2,900,103, 8-18-59, Cl. 220-39.
- Taylor, James D. W. Bobbin feeding mechanism for spooling machines. 2,896,818, 7-28-59, Cl. 221-178.
- Taylor, James E. Vibratory coating method and apparatus. 2,880,118, 3-31-59, Cl. 117-201.
- Taylor, James L.: See—  
Miller, Harry C., Taylor, and McCoy. 2,873,162.
- Taylor, James L., and L. C. Byerly, to Burlington Industries, Inc. Combination yarn. 2,890,567, 6-16-59, Cl. 57-140.
- Taylor, James V.: See—  
Read, Robert C., and Gregor. 2,875,457.
- Taylor, John. Fastener device. 2,913,042, 11-17-59, Cl. 155-196.
- Taylor, John A.: See—  
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- Taylor, John A., S. S. Podnos, and H. C. Fraser, to United States of America, Army. Concrete piercing fuse. 2,873,677, 2-17-59, Cl. 102-75.
- Taylor, John E., to Bendix Aviation Corp. Demodulator. 2,914,682, 11-24-59, Cl. 307-58.5.
- Taylor, John H.: See—  
Maler, Alfred E., and Taylor. 2,883,585.
- Taylor, John H., to Ross Engineering of Canada Ltd. Pressure regulator with associated relief valve. 2,891,784, 6-23-59, Cl. 267-1.
- Taylor, John H., to Vulcan Iron Works. Rotary kiln. 2,908,179, 10-13-59, Cl. 74-414.
- Taylor, John J.: See—  
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- Taylor, John L., to Elizabeth H. Taylor, administratrix of said John L. Taylor, deceased. Fluid pressure operated valve. 2,916,051, 12-8-59, Cl. 137-623.
- Taylor, Joseph B.: See—  
Horton, William B., and Taylor. 2,908,139.
- Taylor, Joseph R., to Eastman Kodak Co. Photographic spirit duplicating process. 2,903,964, 9-15-59, Cl. 101-149.4.
- Taylor, Kenneth M., to The Carborundum Co. Refractory bodies containing boron nitride and a boride, and the manufacture thereof. 2,872,327, 2-3-59, Cl. 106-55.
- Taylor, Kenneth M., to The Carborundum Co. Refractory bodies containing boron nitride. 2,887,393, 5-19-59, Cl. 106-14.
- Taylor, Kenneth M., to The Carborundum Co. Method of making boron nitride material and bodies. 2,888,325, 5-26-59, Cl. 23-191.
- Taylor, Kenneth M., to The Carborundum Co. Boron nitride-metal carbide bodies and the manufacture thereof. 2,888,355, 5-26-59, Cl. 106-43.
- Taylor, Kenneth M., to The Carborundum Co. Sintered metal bodies containing boron nitride. 2,888,738, 6-2-59, Cl. 29-182.5.
- Taylor, Lance, and L. A. Sims. Wiper de-icer. 2,903,732, 9-15-59, Cl. 15-250.5.
- Taylor, Leroy R. Appointment clock. 2,867,274, 1-6-59, Cl. 161-1.
- Taylor, Lincoln H., Jr.: See—  
Hewitt, Redginal L., and Taylor. 2,877,154.
- Taylor, Louis L., and R. M. Hodge, to North American Aviation, Inc. Infrared ranging system. 2,919,350, 12-29-59, Cl. 250-83.3.
- Taylor Machine Co.: See—  
Taylor, Arthur K. 2,907,274.
- Taylor, Marilyn: See—  
Buehrle, Victor E., Jr., Adrien, and Buehrle. 2,909,250.
- Taylor, Maurice C. Preparation of polymeric phosphonitric chloride. 2,872,283, 2-3-59, Cl. 23-14.
- Taylor, Owen L., to The Bryant Electric Co. Switch. 2,867,700, 1-6-59, Cl. 200-67.
- Taylor, Owen L., to The Bryant Electric Co. Wiring device. 2,881,279, 4-7-59, Cl. 200-67.
- Taylor, Owen L., to The Bryant Electric Co. Electric heater control. 2,894,103, 7-7-59, Cl. 219-20.
- Taylor, Owen L., to The Bryant Electric Co. Relay. 2,896,051, 7-21-59, Cl. 200-122.
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- Taylor, Richard G., and J. O. Puckett. Woodworking apparatus. 2,868,249, 1-13-59, Cl. 144-91.
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- Taylor, Samuel K., and K. A. Cool, to The Service Recorder Co. Recorder. 2,868,612, 1-13-59, Cl. 346-123.
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- Taylor, William H. Apparatus for feeding, counting and stacking magazines, books and other articles. 2,901,952, 9-1-59, Cl. 93-93.



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- Howard, Bernard. 2,913,517.
- Howard, Bernard. 2,918,527.
- Howard, Bernard. 2,918,528.
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- Telegregister Corp.: See—
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- Cornwell, John W., Haselton, and Schmidt. 2,883,106.
- Wesley, Charles A. 2,889,547.
- Teletrak Corp.: See—
- Fay, James P. 2,909,598.
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- Carter, Norman D., and Hess. 2,918,511.
- Carter, Norman D., Hess, and Riordan. 2,905,639.
- Christensen, Edward R., and Francis. 2,914,581.
- Christensen, Edward R., and Hess. 2,917,449.
- Clements, Roy J., Looftourrow, and Lee. 2,914,656.
- Cole, Edward L. 2,904,505.
- Crawley, Carroll L. 2,894,899.
- Eastman, du Bois. 2,892,693.
- Eastman, du Bois. 2,914,418.
- Estes, John H. 2,908,549.
- Finn, William J. 2,897,019.
- Gilliland, Melvin E., and Givens. 2,918,429.
- Gilliland, Melvin E., Givens, and Massin. 2,918,430.
- Givens, Richard C., and Pittman. 2,916,452.
- Greene, John H., and Thurston. 2,892,592.
- Heisler, Robert Y., and Millendorf. 2,898,345.
- Herzog, Gerhard. 2,906,340.
- Herzog, Gerhard. 2,908,839.
- Hess, Howard V., and Christensen. 2,891,902.
- Hess, Howard V., Ryer, and Fontaine. 2,910,434.
- Itria, Oswald A., and Lee. 2,908,342.
- Kittrell, Norman G., and Pietschker. 2,915,975.
- Lyons, Joseph, Elmer, and Berry. 2,900,341.
- Lyons, Joseph F., and Odell. 2,892,776.
- McKay, Alexander S. 2,908,817.
- Mulligan, Rex P. 2,904,691.
- Nagle, Richard E., and Eastman. 2,896,927.
- Nelson, Roy F. 2,916,453.
- Newman, Stanley R., and Heisler. 2,897,070.
- Odell, Norman R., and Lyons. 2,908,644.
- Patterson, John A., and Pier. 2,918,487.
- Pier, Stanley M. 2,892,860.
- Riordan, Michael D., and Vermillion. 2,916,443.
- Roach, James R., and Dilworth. 2,908,646.
- Texaco Inc., See—Continued
- Shook, Austin M. 2,906,338.
- Straford, William M. 2,908,634.
- Straford, William M. 2,914,391.
- Sweeney, William M. 2,912,449.
- Sweeney, William M., and Heisler. 2,910,352.
- Tierney, Raymond B., and Kruse. 2,897,225.
- Vander Ploeg, Alfred R. 2,895,896.
- Woodle, Robert A. 2,909,574.
- Texas Co., The, See—
- Addison, Herman H. 2,882,014.
- Allen, Joseph C. 2,878,874.
- Allen, Joseph C., and Kunetka. 2,871,941.
- Alpert, Norman, Newman, and Heisler. 2,887,452.
- Arnold, George B., and Kovach. 2,879,220.
- Atwell, Harold V. 2,879,148.
- Ballard, Wiley P., Dickens, McKinley, and Smith. 2,888,393.
- Beavon, David K. 2,875,149.
- Bruckner, John A. 2,871,189.
- Bruckner, John S., and Walker. 2,868,726.
- Childs, Emerson. 2,868,218.
- Christensen, Edward R., and Hess. 2,886,509.
- Christensen, Edward R., and Hess. 2,888,394.
- Cole, Edward L., Skelton, and Meyers. 2,879,223.
- Cooper, Thomas A., and Woodle. 2,886,522.
- Dilworth, John P., Jordan, and Benge. 2,886,525.
- Dilworth, John P., Ubrigg, and Becker. 2,877,181.
- Drushel, William H., McCall, and Perilloux. 2,874,548.
- Eastman, du Bois. 2,871,114.
- Eastman, du Bois. 2,885,298.
- Eastman, du Bois, and Gupitill. 2,885,154.
- Eastman, du Bois, and Schlinger. 2,870,568.
- Flier, William D. 2,886,531.
- Garrison, Allen D., and Kunetka. 2,871,942.
- Gibson, Robert M., ten Brink, and Shook. 2,869,328.
- Givens, Richard C., and Pittman. 2,876,198.
- Glennay, Julius G. 2,876,145.
- Heisler, Robert Y. 2,868,813.
- Heisler, Robert Y., Alpert, and Newman. 2,885,274.
- Herzog, Gerhard. 2,875,394.
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- Hess, Howard V., and Ray. 2,885,368.
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- Itria, Oswald A., and Tanner. 2,887,053.
- Jacoley, Leon. 2,894,599.
- Jones, James M. 2,887,581.
- Jordan, Terence B., Dilworth, and Roach. 2,872,417.
- Kluge, Herman D., and Drake. 2,870,134.
- Kluge, Herman D., and Moore. 2,868,823.
- Laudig, James J. 2,886,248.
- Lee, Burton D. 2,871,461.
- Lyons, Joseph F., Thomas, and Odell. 2,880,177.
- Maddox, James, Jr. 2,875,135.
- Marken, Alden S. 2,884,067.
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- McKay, Alexander S. 2,873,377.
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- McKinley, John K., Nelson, and Bright. 2,894,970.
- Miller, Carl P., and Jamieson. 2,869,418.
- Moyer, William C. 2,868,716.
- Muenger, James R., and Wilson. 2,885,865.
- Nestle, Alfred C. 2,868,506.
- Newman, Stanley R., Heisler, Dille, and Alpert. 2,879,230.
- Pevere, Ernest F. 2,888,500.
- Pitman, Herbert J., Jordan, and Bright. 2,870,090.
- Rees, Warren A., Jr. 2,874,855.
- Roach, James R., and Dilworth. 2,880,176.
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- Robertson, James M. 2,868,216.
- Walker, Hugh O., Jr. 2,885,023.
- Weiss, Walter J., Graves, and Hall. 2,896,915.
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- Glustl, Gino P., and Johnson. 2,870,001.
- Hill, Cyril T. 2,895,796.
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- Bagnall, James A. 2,900,802.
- Barns, Robert L., Doshier, Humphries, Jeanes, Lyon, Perry, Speer, and Earhart. 2,900,343.
- Burch, Lyndon W. 2,899,512.
- Chapman, Aubrey L., Jr. 2,889,520.
- Clarke, David E. 2,901,575.
- Clift, Gilbert B., Jr. 2,913,299.
- Cornellison, Boyd. 2,907,715.
- Cornellison, Boyd. 2,919,387.
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- Macdonald, James R. 2,906,831.
- Martel, Bob E. 2,904,869.
- Millis, Edwin G. 2,899,539.
- Moorhead, John O., and Mulry. 2,907,851.
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- Owen, Alexander B. 2,887,955.
- Perry, Edward G. 2,888,310.
- Perry, Edward G. 2,906,381.
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- Pies, John R. 2,893,182.
- Rumyan, Walter R., and Anderson. 2,878,152.
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- Skelton, Charles W., Mason, and Whisenant. 2,886,661.
- Stead, Richard R. 2,871,110.
- Stewart, Richard F. 2,886,026.
- Toomey, Eugene J. 2,896,024.
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- Held, Joseph. 2,907,192.
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- Levin, Nathan. 2,910,848.
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- De Weese, Robert G. 2,869,605.
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- Staples, Otis E. 2,885,929.
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- Thackeray, Asquith W. Universal joints. 2,876,636, 3-10-59, Cl. 64-17.
- Thaden, Herbert V., to Thaden Molding Corp. Reclining chair. 2,845,877, 1-13-59, Cl. 155-152.
- Thaden, Herbert V., to Thaden Molding Corp. Reclining chair extensible leg rest. 2,888,977, 6-2-59, Cl. 155-106.
- Thaden, Herbert V., to Thaden Molding Corp. Reclining chair. 2,901,026, 8-25-59, Cl. 155-116.
- Thaden Molding Corp., See—
- Thaden, Herbert V. Re. 24,587.
- Thaden, Herbert V. 2,888,977.
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- Thale, Harry H. Oyster digger. 2,894,340, 7-14-59, Cl. 37-55.
- Thalhammer, Karl W. Adjustable pneumatic control device for camera shutters. 2,874,625, 2-24-59, Cl. 95-54.
- Thall, Earle S., to Radio Corp. of America. Getter structure. 2,872,028, 2-3-59, Cl. 206-4.
- Thallon, Robert, to All-Brite Fluorescent Fixtures, Inc. Fluorescent fixture. 2,894,118, 7-7-59, Cl. 240-9.
- Thalner, Robert R., to Sylvania Electric Products Inc. Color television system. 2,892,019, 6-23-59, Cl. 178-54.
- Thamer, Burton J., R. M. Bidwell, and R. P. Hammond, to United States of America, Atomic Energy Commission. Nuclear reactor fuel systems. 2,904,488, 9-15-59, Cl. 204-193.2.
- Thames, Hans G., to Telefonaktiebolaget L M Ericsson. Telephone sub-station. 2,915,592, 12-1-59, Cl. 179-81.
- Thames, Hans G., and S. T. Aberg, to Telefonaktiebolaget L M Ericsson. Telephone instruments of the standing hand set type. 2,918,539, 12-22-59, Cl. 179-167.
- Thannhauser, Fred G. Device for displaying moving information. 2,869,420, 1-20-59, Cl. 88-27.
- Thannhauser, Fred G., to Chrysler Corp. Control apparatus for vehicle transmission. 2,897,685, 8-4-59, Cl. 74-473.
- Thanoa, Harry, to Admiral Corp. Detector circuit. 2,903,585, 9-8-59, Cl. 250-27.
- Thaon de Saint-André, André. Conveyors for automobile vehicles. 2,899,041, 8-11-59, Cl. 198-183.
- Thaon de Saint-André, André. Garages for parking cars and in particular automobile vehicles. 2,899,086, 8-11-59, Cl. 214-16.1.
- Thatcher, Donald N., to E. I. du Pont de Nemours and Co. Separation of HMX from RDX. 2,900,381, 8-18-59, Cl. 260-239.
- Thatcher, Lewis E., See—
- Gaylord, James K., and Thatcher. 2,870,879.
- Thatcher, Russell S., to Dresser Industries, Inc. Apparatus for generating a family of curves from a single master control element. 2,886,795, 5-12-59, Cl. 340-15.
- Thatcher, William M., See—
- Hornak, John N., and Thatcher. 2,885,751.
- Thau, Henry, See—
- Schaller, John, Jr., Thau, and Duncan. 2,910,729.
- Thaxton, Ellis B. Pipe plugs. 2,870,794, 1-27-59, Cl. 138-90.
- Thayer, Charles S., to Aluminum Co. of America. Electrolytic reduction cell for producing aluminum. 2,874,110, 2-17-59, Cl. 204-243.
- Thayer, Clarence H., to Sun Oil Co. Asphalt composition containing polyethylene. 2,871,212, 1-27-59, Cl. 260-28.5.
- Thayer, Edna C., See—
- Thayer, Robert W. 2,893,659.
- Thayer, Floyd L., and W. L., to Thayer Scale Corp. Fluent material agitator. 2,905,365, 9-22-59, Cl. 222-198.
- Thayer, Harry C., Jr., to Western Electric Co., Inc. Strip-tilting device. 2,884,896, 5-5-59, Cl. 118-211.
- Thayer, Helen I., See—
- Hartle, Robert J., and Thayer. 2,870,057.
- Pellegrini, John P., Jr., and Thayer. 2,897,068.
- Thayer, James H., See—
- Payne, Frank E., and Thayer. 2,877,026.
- Thayer, Jean M., See—
- Fearon, Robert E., and Thayer. 2,884,534.
- Fearon, Robert E., and Thayer. 2,897,372.
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- Thayer, Louis, See—
- Greene, Malbone W., and Thayer. 2,882,719.
- Thayer, Louis C., to Beckman Instruments, Inc. Apparatus for measuring oxygen content. 2,883,857, 4-28-59, Cl. 73-27.
- Thayer, Louis C., to Beckman Instruments, Inc. Measuring cell. 2,892,976, 6-30-59, Cl. 324-30.
- Thayer, Louis C., and M. Czuba, Jr., to Beckman Instruments, Inc. Method for measuring traces of dissolved oxygen. 2,901,327, 8-25-59, Cl. 23-230.
- Thayer, Louis C., and M. W. Greene, to Beckman Instruments, Inc. Apparatus for the measurement of fluid conductivity. 2,902,639, 9-1-59, Cl. 324-30.
- Thayer, Robert W., deceased; E. C. Thayer, executrix. Bobbin. 2,893,659, 7-7-59, Cl. 242-130.
- Thayer Scale Corp., See—
- Thayer, Floyd L., and W. L. 2,905,365.
- Thayer, Warren L., See—
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- Thelle, Richard, to Pye Ltd. Television camera tubes. 2,878,416, 3-17-59, Cl. 315-10.
- Thelle, Richard, to Pye Ltd. Television pick-up tube. 2,880,338, 3-31-59, Cl. 313-65.
- Theimer, Ernst T., to Van Ameringen-Haebler, Inc. Terpene alcohols and compounds thereof, and processes for making same. 2,867,668, 1-8-59, Cl. 260-631.5.
- Thels, Elmer E. Chill pad for an ingot mold. 2,878,538, 3-24-59, Cl. 22-139.
- Thels, Martin, See—
- Rumberg, Alfred, Damgen, and Thels. 2,872,494.
- Thells, John B., See—
- Lehman, James N., and Thells. 2,867,762.
- Thells, Emil, See—
- Bud, Paul, Gacs, and Thells. 2,891,189.
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- Thelen, Josef, to The Babcock & Wilcox Co. Panel wall construction. 2,870,680, 1-27-59, Cl. 189-34.
- Thellin, Jack H., See—
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- Thellin, Jack H., to American Cyanamid Co. Sulfur containing hexachloronaphthalenes. 2,905,695, 9-22-59, Cl. 260-327.
- Them, Edward G., to Therm-O-Disc, Inc. Thermostatic controls. 2,879,357, 3-24-59, Cl. 200-138.
- Then, Edward O., to American Can Co. Carrying device for containers. 2,878,930, 3-24-59, Cl. 206-65.
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McCluer, John D. 2,884,343.

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Thesen, Carolyn M.: See—

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Bacon, Donald D., Scaff, and Theuerer. 2,871,111.

Theuerer, Henry C., to Bell Telephone Laboratories, Inc. Method of preparing silicon. 2,901,325, 8-25-59, Cl. 23-223.5.

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Thiegs, Bernard J., to The Dow Chemical Co. Treatment of soil by fumigant and foam. 2,916,855, 12-15-59, Cl. 47-53.

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Thielsch, Helmut J., to Grinnell Corp. Film holder for radiographic examination of pipe welds. 2,905,824, 9-22-59, Cl. 250-68.

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Thieme, John W., and P. J. McDonnell: said McDonnell assor. to said Thieme. Finishing machine. 2,875,676, 3-3-59, Cl. 94-45.

Thieme, John W., and P. J. McDonnell, said McDonnell assor. to said Thieme. Planetary clutching brake. 2,882,806, 4-21-59, Cl. 94-45.

Thieme, John W., and P. J. McDonnell, said McDonnell assor. to said Thieme. Lower unit for concrete finisher. 2,910,923, 11-3-59, Cl. 94-45.

Thieme, Peter. Frames for diapositives or the like. 2,889,645, 6-9-59, Cl. 40-152.

Thiene, Carl G., and H. G. Rostrom, to Reynolds Pen Co. Printing machine. 2,873,013, 2-10-59, Cl. 197-2.

Thienemann, Rolf A., to Fairchild Camera & Instrument Corp. Control unit for composing machines. 2,872,025, 2-3-59, Cl. 199-18.

Thierfelder, Rudolph, to Karl Lieberknecht, Inc. Straight knitting machine operation. 2,888,814, 6-2-59, Cl. 66-82.

Thierman, Irwin R.: See—

Hochstetler, Robert D., and Thierman. 2,887,884.

Thierman, Irwin R., to Iron Fireman Mfg. Co. Gyroscope. 2,911,832, 11-10-59, Cl. 74-5.7.

Thiers, Judith G.: See—

Thiers, Ralph E., and J. G. 2,909,277.

Thiers, Ralph E., and J. G. Dental floss and dispenser. 2,909,277, 10-20-59, Cl. 206-56.

Thies, Alfred F. B. Drier apparatus. 2,871,574, 2-3-59, Cl. 34-64.

Thieser, Robert E.: See—

Caudle, Howard P., McGrath, and Thieser. 2,911,884.

Thiessen, George J. Atmospheric suction roll silencer device. 2,877,694, 3-17-59, Cl. 92-53.

Thillalmuthu, Jayaretnam. Alternating current generator computing mechanism. 2,914,939, 12-1-59, Cl. 73-136.

Thilmany Pulp & Paper Co.: See—

Downs, Martin L., and Schmitt. 2,868,685.

Thilo, Peer: See—

Zinke, Otto, Thilo, and Krueger. 2,908,876.

Thiokol Chemical Corp.: See—

Bronaugh, Hugh J. 2,880,058.

Cohen, Murray S., and Pearl. 2,894,803.

Condello, Vincent, and White. 2,910,266.

Davies, Harold. 2,909,032.

Felberg, Robert S., and Gould. 2,900,788.

Fettes, Edward M., and Bertozzi. 2,875,182.

Ledbetter, James D., Kircher, and Novotny. 2,894,692.

Nevers, Ashley D., and Fettes. 2,869,994.

Winternitz, Paul F. 2,875,028.

Thiolat, Robert M. Cardboard boxes and the like. 2,907,513, 10-6-59, Cl. 229-31.

Thirsk, James H.: See—

Newhard, Nelson J., Jr., and Thirsk. 2,867,514.

Thirtle, John R.: See—

Bush, Walter M., Salminen, and Thirtle. 2,908,573.

Thiry, Leon F. Rubber bushing for pivotal suspension systems. Re. 24,758, 12-22-59, Cl. 287-85.

Thoenig, George R., to Wonder Products Co. Foot for stand or base. 2,888,775, 6-2-59, Cl. 45-187.

Thoenig, George R., to Wonder Products Co. Hobby horse. 2,891,792, 6-23-59, Cl. 272-52.

Tholl, David M., and N. J. Sorensen. Self discharging base bearing centrifugal. 2,889,930, 6-9-59, Cl. 210-369.

Tholstrup, Henry L., to United States of America, Navy. Tongue and notch cutting device for perforated tape. 2,876,943, 3-10-59, Cl. 225-7.

Tholstrup, Henry L., to Commercial Controls Corp. Power driven type action for character-by-character printers. 2,900,063, 8-18-59, Cl. 197-17.

Tholstrup, Henry L., to Commercial Controls Corp. Type basket and type lever mounting. 2,900,064, 8-18-59, Cl. 197-39.

Tholstrup, Henry L., to Commercial Controls Corp. Carriage and platen control for typewriters. 2,900,065, 8-18-59, Cl. 197-73.

Tholstrup, Henry L., to Commercial Controls Corp. Carriage control mechanism for power driven printer. 2,900,066, 8-18-59, Cl. 197-82.

Tholstrup, Henry L., to Commercial Controls Corp. Carriage mechanism for typewriters. 2,913,090, 11-17-59, Cl. 197-60.

Thom, Clarence M. Machine for forming holes in compacted lawn soil. 2,918,130, 12-22-59, Cl. 172-22.

Thom, Wenzel W., 1/2 to C. D. Jones. Railing assembly. 2,904,314, 9-15-59, Cl. 256-65.

Thoma, Hans. Control means for infinitely variable transmissions. 2,872,827, 2-10-59, Cl. 74-335.

Thoma, Hans. Hydrostatic transmission. 2,872,876, 2-10-59, Cl. 103-173.

Thoma, Hans. Drive for track-laying vehicles. 2,874,591, 2-24-59, Cl. 74-720.5.

Thoma, Hans. Hydraulic motors and pumps. 2,916,334, 12-8-59, Cl. 308-170.

Thoma, Hans J. Hydraulic power transmissions. 2,871,798, 2-3-59, Cl. 103-162.

Thoma, Oswald: See—

Bowers, Eric H., and Thoma. 2,896,411.

Brown, Peter H. 2,900,921.

Thoma, Richard W.: See—

Donlin, Milton N., Fried, and Thoma. 2,881,189.

Fried, Josef, and Thoma. 2,868,694.

Fried, Josef, and Thoma. 2,902,498.

Fried, Josef, Thoma, Perlman, and Gerke. 2,879,277.

Fried, Josef, Thoma, Perlman, and Gerke. 2,879,280.

Thoma, Richard W., and J. Fried, to Olin Mathieson Chemical Corp. 4,4-pregnadiene-11a,20-diol-3-one. 2,880,217, 3-31-59, Cl. 260-397.45.

Thoma, Wilhelm: See—

Bernhard, Hermann, Thoma, and Genth. 2,910,400.

Thomae, Dr. Karl, G.m.b.H.: See—

Berg, Alex, and Fiedler. 2,886,488.

Keck, Johannes. 2,872,382.

Kottler, August, and Ohnacker. 2,884,426.

Neumann, Günther, and Kottler. 2,872,379.

Ohnacker, Gerhard, and Kottler. 2,895,992.

Seeger, Ernst, and Kottler. 2,871,242.

Thomae, Dr. Karl, G. m. b. H., Chemisch-Pharmazeutische Fabrik: See—

Kottler, August, and Scheffler. 2,867,664.

Thomann, Bernard M. Surveying apparatus. 2,896,327, 7-28-59, Cl. 33-74.

Thomann, Erwin, to A. G. Balmholz Steinbrüche & Hartschotterwerke. Bituminous roadmaking material. 2,906,633, 9-29-59, Cl. 106-82.

Thomas, Alan P. L., to Edward J. Skinner, Ltd. Planetary transfer machines. 2,903,120, 9-8-59, Cl. 198-19.

Thomas, Albert G., to Industrial Controls Corp. Motor control circuit. 2,870,388, 1-20-59, Cl. 318-138.

Thomas, Albert G., to Industrial Controls Corp. Compensating system for drives. 2,871,767, 2-3-59, Cl. 90-22.

Thomas, Albert G., to Industrial Controls Corp. Backlash compensator. 2,880,625, 4-7-59, Cl. 74-440.

Thomas, Albert G., to Industrial Controls Corp. Automatic control devices. 2,887,640, 5-19-59, Cl. 318-138.

Thomas, Albert G. Cooking device. 2,895,905, 8-11-59, Cl. 126-374.

Thomas, Albert G., to Industrial Controls Corp. Counting circuit. 2,901,668, 8-25-59, Cl. 315-84.5.

Thomas, Albert G. Power driven lawn mower and trimmer. 2,917,890, 12-22-59, Cl. 56-25.4.

Thomas, Albert L., Jr., and S. Oglesby, Jr., to Southern Research Institute. Process and apparatus for producing non-woven sheets of fibrous materials. 2,917,787, 12-22-59, Cl. 19-155.

Thomas, Alexander, to Tracerlab, Inc. Nuclear electret battery. 2,876,368, 3-3-59, Cl. 310-3.

Thomas, Alexander, to Tracerlab, Inc. Radioactive battery. 2,900,535, 8-18-59, Cl. 310-3.

Thomas, Arthur J. Pool with inflatable wall. 2,896,221, 7-28-59, Cl. 4-172.

Thomas, Arthur M., Jr., and R. L. Weeks, to Esso Research and Engineering Co. Upgrading light virgin naphtha. 2,910,428, 10-27-59, Cl. 208-130.

Thomas Associates: See—

Cushenberry, Edward B. 2,913,699.

Thomas, Barclay L., 1/2 to G. W. Olson. Battery energized, motor-driven vehicle. 2,879,858, 3-31-59, Cl. 180-19.

Thomas, Benjamin W.: See—

Beauch, John B., Schiller, and Thomas. 2,903,417.

Moore, Joe P., and Thomas. 2,905,616.

Thomas & Betts Co., The: See—

Badeau, Carroll A. 2,906,017.

Bergan, Martin D. 2,907,974.

Curtiss, Lawrence M. 2,900,435.

Thomas, Beuford W., 1/2 to C. L. Hurt. Door bell actuated light. 2,912,685, 11-10-59, Cl. 340-377.

Thomas, Bruce K.: See—

Callanen, Frederick B., and Thomas. 2,905,451.

Thomas, Charles G.: See—

Hodges, Stephen B., Lewis, and Thomas. 2,886,172.

Thomas, Charles L., to Sun Oil Co. High octane gasoline manufacture. 2,908,629, 10-13-59, Cl. 208-66.

Thomas, Charles L., to Sun Oil Co. Process for polymerizing olefins. 2,912,420, 11-10-59, Cl. 260-93.7.

Thomas, Charles R., to The Greist Mfg. Co. Buttonhole attachment. 2,894,467, 7-14-59, Cl. 112-77.

Thomas, Chester A.: See—

Merritt, Thomas W., and Thomas. 2,869,512.

Thomas, Chester A., to Babson Bros. Co. Milk pipe line washing system. 2,878,819, 3-24-59, Cl. 134-67.

Thomas, Chester L. Massage tables. 2,904,036, 9-15-59, Cl. 128-33.

Thomas, David F., and R. A. Hill, to Watrous Co. Pressure relief valve. 2,894,531, 7-14-59, Cl. 137-489.

Thomas, David F., and R. A. Hill, to Watrous Co. Electrically operated transfer valve for centrifugal pump. 2,900,918, 8-25-59, Cl. 103-106.

Thomas, David F., and R. A. Hill, to Watrous Co. Pumps. 2,905,096, 9-22-59, Cl. 103-136.

Thomas, David G. A.: See—

Harding, John K., and Thomas. 2,906,290.

Thomas, David L.: See—

Parker, Eric, and Thomas. 2,878,379.

Thomas, Dimitri. Bench saw attachments for multiple angle cutting. 2,905,210, 9-22-59, Cl. 143-169.

Thomas, Donald E., to Bell Telephone Laboratories, Inc. Transistor characteristic curve tracers. 2,896,168, 7-21-59, Cl. 324-158.

Thomas, Donald F.: See—

Butler, Chester J., Ermish, Linsley, and Thomas. 2,917,834.

Thomas, Earl E. Container support. 2,908,468, 10-13-59, Cl. 248-226.

Thomas, Earl R., to Consolidated Edison Co. of New York, Inc. Mobile gas detecting apparatus. 2,879,663, 3-31-59, Cl. 73-26.

Thomas Electronics Inc.: See—

Seata, Peter, and Appleberry. 2,906,639.

Seata, Peter, and Connolly. 2,905,571.

Seata, Peter, and Connolly. 2,909,444.

Soncrant, Joseph J. 2,889,169.

Thomas, Eric L., and R. J. A. Paul, to Short Brothers and Harland Ltd. Analogue computer. 2,918,218, 12-22-59, Cl. 235-182.

Thomas, Ernst, and B. Aurin, said Aurin, assor. to Thomas. Method for the continuous removal of the scaly matter from hot-rolled, band-like iron products. 2,913,808, 11-24-59, Cl. 29-81.

Thomas, Eugene P.: See—

Guentner, Robert L., and Thomas. 2,909,665.

Thomas, Frank G., and W. M. Millar, to International Telephone and Telegraph Corp. Antenna unit. 2,889,552, 6-2-59, Cl. 343-761.

Thomas, Frank W.: See—

Bonza, Louis F., and Thomas. 2,877,201.

Simon, Eli, and Thomas. 2,894,819.

Simon, Eli, and Thomas. 2,897,641.

Thomas, Franklin L. V-trap. 2,894,354, 7-14-59, Cl. 43-101.

Thomas, Fritts W., to Monsanto Chemical Co. Cryptocrystalline calcium pyrophosphate and dentifrice composition comprising the same. 2,901,400, 8-25-59, Cl. 167-93.

Thomas, George R. Nitration catalyst. 2,877,263, 8-10-59, Cl. 260-482.

Thomas, George W. Marshmallow and hot dog roasting stick. 2,876,694, 3-10-59, Cl. 99-421.

Thomas, Glenn M., and G. L. Signal apparatus. 2,888,669, 5-26-59, Cl. 840-326.

Thomas, Gordon E.: See—

Williams, Frederic C., Kilburn, Edwards, and Thomas. 2,913,175.

Thomas, Gordon H.: See—

Fried, Josef, and Thomas. 2,901,494.

Jones, Ewart R. H., Henbest, Woods, Hathway, and Thomas. 2,897,213.

Thomas, Grant L.: See—

Thomas, Glenn M., and G. L. 2,888,669.

Thomas, Gwilym G.: See—

Place, James A., Thomas, and White. 2,914,906.

Thomas, Harry E., to International Telephone and Telegraph Corp. Magnetic pulse generating circuit. 2,908,895, 9-29-59, Cl. 307-106.

Thomas, Henry. Automotive vehicle underground storage device. 2,901,130, 8-25-59, Cl. 214-16.1.

Thomas, Henry A., to Ethyl Corp. Sludge deliquifying compaction press. 2,904,835, 9-22-59, Cl. 18-20.

Thomas, Henry A., to Ethyl Corp. Treating high solids sludges. 2,912,827, 11-17-59, Cl. 60-97.

Thomas, Herman J., to General Motors Corp. Door latch for pillarless automobile. 2,918,317, 12-22-59, Cl. 292-5.

Thomas Hydraulic Speed Controls, Inc.: See—

Thomas, John R. 2,899,035.

Thomas Industries Inc.: See—

Boutelle, Allen O. 2,906,864.

McGinty, William K. 2,898,075.

Thomas, Jesse B., and E. H. Wolf, to Reynolds Metals Co. Method of making serpentine tube finned heat exchanger and product. 2,908,070, 10-13-59, Cl. 29-157.3.

Thomas, John E. Portable hay stack cutting machine. 2,908,971, 10-20-59, Cl. 30-166.



- Thomas, John M., to The Hoskins Mfg. Co. Method and apparatus for prolonging life of thermocouples. 2,915,575, 12-1-59, Cl. 136-24.
- Thomas, John P. Double roll mandrel. 2,890,002, 6-9-59, Cl. 242-75.4.
- Thomas, John R.: See—
- Crandall, Howard W., Hicks, Rubin, and Thomas. 2,916,349.
- Crandall, Howard W., and Thomas. 2,892,681.
- Harle, Oliver L., and Thomas. 2,892,784.
- Harle, Oliver L., and Thomas. 2,892,785.
- Thomas, John R., to Thomas Hydraulic Speed Controls, Inc. Variable speed and torque transmitting fluid clutch. 2,899,035, 8-11-59, Cl. 192-61.
- Thomas, John V. Multiple distribution valve. 2,896,662, 7-28-59, Cl. 137-538.
- Thomas, John W., to The Cleveland Vibrator Co. Vibrating means for material conveyor. 2,868,357, 1-13-59, Cl. 198-220.
- Thomas, Kenneth L.: See—
- Both, Donald W., Thomas, and McKinsey. 2,919,341.
- Thomas, Lawrence E. Body recovering drag. 2,873,997, 2-17-59, Cl. 294-66.
- Thomas, Lawrence G., to International Standard Electric Corp. Monitoring means for reflector type aerials. 2,897,493, 7-28-59, Cl. 343-703.
- Thomas, Lazarus D., to Libbey-Owens-Ford Glass Co. Electrically conducting glass unit and method of making same. 2,887,412, 5-19-59, Cl. 117-211.
- Thomas, Leon E., Jr., G. A. Gruss, and J. W. Huley, to International Instruments, Inc. Rotary selective switch. 2,900,462, 8-18-59, Cl. 200-11.
- Thomas, Leonard C.: See—
- Voegel, James E., and Thomas. 2,888,187.
- Thomas, Lewis C., to Bell Telephone Laboratories, Inc. Transistor comparator circuit for analog to digital code conversion. 2,909,676, 10-20-59, Cl. 307-88.5.
- Thomas, Lewis E. Tethering strap arrangement for animals. 2,909,154, 10-20-59, Cl. 119-109.
- Thomas, Lloyd E.: See—
- Tufford, Walter W., and Thomas. 2,875,927.
- Thomas, Lucius P., to Radio Corp. of America. Stabilized AGC system. 2,871,288, 1-27-59, Cl. 178-7.5.
- Thomas, Lucius P., to Radio Corp. of America. Electrical signal amplifiers. 2,913,521, 11-17-59, Cl. 178-7.3.
- Thomas, Lucius P., Jr., and C. W. Hoyt, to Radio Corp. of America. Inter-carrier sound buzz reducing circuit. 2,901,536, 8-25-59, Cl. 178-5.8.
- Thomas, Martha J.: See—
- Butler, Keith H., Homer, and Thomas. 2,878,137.
- Butler, Keith H., and Thomas. 2,919,365.
- Thomas, Martha J., and K. H. Butler, to Sylvania Electric Products Inc. Discharge lamp and phosphor. 2,901,647, 8-25-59, Cl. 313-25.
- Thomas, Morton I. Adjustable folding chair. 2,872,969, 2-10-59, Cl. 155-117.
- Thomas, Morton I., to Duralite Co., Inc. Folding chair. 2,887,150, 5-19-59, Cl. 155-139.
- Thomas, Nick. Articulated toy. 2,901,862, 9-1-59, Cl. 46-141.
- Thomas, Paul A., Jr. Flutter valve for drainage of the pleural cavity. 2,867,213, 1-6-59, Cl. 128-350.
- Thomas, Paul D.: See—
- Bavley, Abraham, Knuth, and Thomas. 2,896,544.
- Thomas, Paul M., to Builders Equipment Co. Apparatus for cubing building blocks. 2,869,737, 1-20-59, Cl. 214-6.
- Thomas, Paul M. Apparatus for cubing building blocks. 2,900,092, 8-18-59, Cl. 214-6.
- Thomas, Paul M., to Builders Equipment Co. Method for cubing building blocks. 2,902,182, 9-1-59, Cl. 214-152.
- Thomas, Paul M., and L. W. P. Wright, to Builders Equipment Co. Pallet handler for concrete block machines. 2,896,800, 7-28-59, Cl. 214-16.4.
- Thomas, Paul P.: See—
- McFarland, Forest R., and Thomas. 2,873,980.
- Thomas, Paul R.: See—
- Lyons, Joseph F., Thomas, and Odell. 2,880,177.
- Thomas, Peter C., and J. C. Horst. Portable machine for shaping or contouring railway car axle bearing blocks. 2,896,513, 7-28-59, Cl. 90-26.
- Thomas, Philip A., and J. L. Welch, Jr., to Union Carbide Corp. Composition comprising unsaturated polyester, vinyl monomer and cyclic terpene, cured product thereof and process of preparing the cured product. 2,884,398, 4-28-59, Cl. 260-29.8.
- Thomas, Philip N., to Sun Oil Co. Removal of water from oil during storage. 2,903,421, 9-8-59, Cl. 208-187.
- Thomas, Philip W.: See—
- Altreuter, Royal K., Dowling, Racz, and Thomas. 2,875,138.
- Thomas, Ralph B., to Sylvania Electric Products Inc. Lamp base. 2,896,187, 7-21-59, Cl. 339-148.
- Thomas, Ralph B., and O. Mann, to Sylvania Electric Products Inc. Electric lamp base. 2,919,422, 12-29-59, Cl. 339-148.
- Thomas, Ralph H., to Colgate-Palmolive Co. Valve. 2,887,356, 1-6-59, Cl. 222-148.
- Thomas, Ralph H., to Colgate-Palmolive Co. Dispensing container for pressure-propelled products. 2,889,078, 6-2-59, Cl. 222-95.
- Thomas, Raymond W. Separable joint for tubular members. 2,890,073, 6-9-59, Cl. 287-119.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Paper forming section. 2,881,668, 4-14-59, Cl. 92-38.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Apparatus and method for de-watering stock on a Four-drainer type paper or board-making machine. 2,881,670, 4-14-59, Cl. 92-39.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Apparatus for making paper or paper board or similar fibrous product. 2,881,671, 4-14-59, Cl. 92-39.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Method and apparatus for manufacturing paper or fibrous board. 2,881,672, 4-14-59, Cl. 92-39.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Method and apparatus for de-watering aqueous pulp or stock in the manufacture of paper or board. 2,881,675, 4-14-59, Cl. 92-44.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Paper or board machine and method. 2,881,676, 4-14-59, Cl. 92-44.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Method and apparatus for manufacturing paper or similar fibrous product utilizing spray means. 2,881,677, 4-14-59, Cl. 92-44.
- Thomas, Reginald J., to St. Anne's Board Mill Co. Ltd. Method and apparatus for making paper or paper board or similar fibrous product. 2,881,678, 4-14-59, Cl. 92-44.
- Thomas, Reginald J., and S. F. Smith, to St. Anne's Board Mill Co. Ltd. Paper or board product. 2,881,669, 4-14-59, Cl. 92-39.
- Thomas, Richard J., and D. J. Fellbach, to The Falk Corp. Oil-and-vapor shaft-seal. 2,916,312, 12-8-59, Cl. 286-5.
- Thomas, Richard W.: See—
- Fried, Josef, and Thomas. 2,914,543.
- Thomas, Robert D., and E. A. Burke, to United States of America. Air Force. Electrostatic precipitator sample counter. 2,916,626, 12-8-59, Cl. 250-83.6.
- Thomas, Robert E., to United States of America, Atomic Energy Commission. Multiplier circuit. 2,869,784, 1-20-59, Cl. 235-61.
- Thomas, Robert E., to United States of America, Atomic Energy Commission. Electronic multiplier circuit. 2,901,172, 8-25-59, Cl. 235-194.
- Thomas, Robert G.: See—
- Cleland, William J., Thomas, and Seijo. 2,893,963.
- Dischert, Robert A., and Thomas. 2,906,947.
- Thomas, Robert M.: See—
- Kittleson, Allen R., Thomas, and Voorhies. 2,916,478.
- Thomas, Robert M., to Olin Mathieson Chemical Corp. Purification of vinylene carbonate. 2,873,230, 2-10-59, Cl. 202-66.
- Thomas, Robert M., to Olin Mathieson Chemical Corp. Process for the stabilization of amino alcohols. 2,901,513, 8-25-59, Cl. 260-584.
- Thomas, Robert M., and G. M. Wagner, to Olin Mathieson Chemical Corp. Composition of matter useful in rendering cellulose resistant to creasing and wrinkling. 2,904,389, 9-15-59, Cl. 8-116.3.
- Thomas, Roy. Auxiliary transmissions. 2,886,982, 5-19-59, Cl. 74-745.
- Thomas, Roy L., Jr., to Rockwood Sprinkler Co. Control cable device with tensioning means. 2,874,588, 2-24-59, Cl. 74-501.
- Thomas, Samuel B., to Shell Development Co. Treating liquid with gas. 2,869,844, 1-20-59, Cl. 261-21.
- Thomas, Samuel O., J. A. Lowery, and V. L. Singleton, to American Cyanamid Co. Nucleoside and the process of obtaining the same. 2,914,525, 11-24-59, Cl. 260-211.5.
- Thomas & Skinner, Inc.: See—
- Ireland, James R. 2,869,075.
- Thomas, Stanley O.: See—
- Fox, Gerald B., and Thomas. 2,880,941.
- Thomas, Stephen E., to The Magnavox Co. Freeze type solenoid. 2,897,414, 7-28-59, Cl. 317-159.
- Thomas, Thomas H., to Bendix Aviation Corp. Check valve. 2,888,035, 5-26-59, Cl. 137-517.
- Thomas, Thomas R., to Auto Research Corp. Lubrication. 2,917,132, 12-15-59, Cl. 184-6.
- Thomas, Tom. Subgrade planer. 2,901,843, 9-1-59, Cl. 37-108.
- Thomas, Walker H.: See—
- Ross, Harold D., Sarahan, Astrahan, Housman, and Thomas. 2,914,248.
- Thomas, Walter M.: See—
- Schuller, Walter H., Thomas, Moore, and House. 2,884,058.
- Wilson, Lucius H., Thomas, and Padbury. 2,884,057.
- Thomas, Walter M., to American Cyanamid Co. Copolymers of acrylonitrile. 2,895,949, 7-21-59, Cl. 260-80.6.
- Thomas, Walter M., F. A. V. Sullivan, and W. B. Hardy, to American Cyanamid Co. Process for polymerizing unsaturated compounds using a sulfonyl triazine as a catalyst. 2,883,371, 4-21-59, Cl. 260-85.5.
- Thomas, Walter W., to Hercules Powder Co. Propylene polymerization process. 2,909,510, 10-20-59, Cl. 260-93.7.
- Thomas, Walter W., to Hercules Powder Co. Olefin polymerization process. 2,909,511, 10-20-59, Cl. 260-93.7.
- Thomas, Wendell M., to General Motors Corp. Ice maker. 2,887,852, 5-26-59, Cl. 62-135.
- Thomas, William E.: See—
- Pabst, Rudolf, and Thomas. 2,915,843.
- Pabst, Rudolf, and Thomas. 2,915,935.

- Thomas, William E., to Prism Signs Inc. Shallow scintillating sign. 2,915,844, 12-8-59, Cl. 40-132.
- Thomas, William K. Hack saw and frame therefor. 2,912,025, 11-10-59, Cl. 145-34.
- Thomas, William M., and N. D. Tracy, to General Dynamics Corp. Optical alignment gage. 2,915,940, 12-8-59, Cl. 88-14.
- Thomasson, Leland T., to Boeing Airplane Co. Precision variable frequency dividers. 2,903,649, 9-8-59, Cl. 331-54.
- Thombs, Thomas S. Detachable handles. 2,905,500, 9-22-59, Cl. 264-34.
- Thome, Nicholas T.: See—
- Rodwick, Frank P., and Thome. 2,907,269.
- Stiles, Harry L., and Thome. 2,867,960.
- Thomlizer, Hubert J., to Cook Electric Co. Automatic check valve. 2,870,779, 1-27-59, Cl. 137-219.
- Thomka, Laddie M., to The Dow Chemical Co. Ethylene polymerization process. 2,906,742, 9-29-59, Cl. 260-94.9.
- Thommen, Hans: See—
- Ubezio, Lorenzo, and Thommen. 2,873,390.
- Thommen, Hans, to Akt. Brown, Boveri & Cie. Compressed air actuated electric switch. 2,873,331, 2-10-59, Cl. 200-148.
- Thommen, Hans, to Aktiengesellschaft Brown, Boveri & Cie. Air-blast switch with auxiliary point of interruption for shunt resistances. 2,885,514, 5-5-59, Cl. 200-148.
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- Thompson, Arthur M. Pipe clamp. 2,901,199, 8-25-59, Cl. 248-72.
- Thompson, Arthur M. Conduit fastener. 2,904,293, 9-15-59, Cl. 248-72.
- Thompson, Barney G. Woodworking groove cutting machine. 2,870,806, 1-27-59, Cl. 144-136.
- Thompson, Bruce K., and D. M. Young, to Union Carbide Corp. Process for polymerizing completely halogen-substituted ethylenes. 2,877,217, 3-10-59, Cl. 260-92.1.
- Thompson, Carl D., to Phillips Petroleum Co. Seismometer testing apparatus. 2,917,706, 12-15-59, Cl. 324-73.
- Thompson, Charles B.: See—
- Simko, Frank A., Jr., and Thompson. 2,910,374.
- Thompson, Charles E.: See—
- Lewis, Emil H., and Thompson. 2,914,468.
- Wilchinsky, Zigmund W., and Thompson. 2,899,379.
- Thompson, Charles E., to Meier Electric and Machine Co., Inc. Propeller hub assembly. 2,900,202, 8-18-59, Cl. 287-52.4.
- Thompson, Charles E., J. Stewart, and A. W. Langer, Jr., to Esso Research and Engineering Co. Heavy oil conversion process. 2,873,245, 2-10-59, Cl. 208-36.
- Thompson, Charles T.: See—
- Curtis, John C., and Thompson. 2,908,482.
- Thompson, Clarence R., to Special Equipment Co. Freestone pitter. 2,868,251, 1-13-59, Cl. 146-28.
- Thompson, Clayton H. Combination momentary maintained switch. 2,872,542, 2-3-59, Cl. 200-86.5.
- Thompson, Clayton B., and D. T. Lyons, to Eastman Kodak Co. Treatment of photographic film for static resistance. 2,882,157, 4-14-59, Cl. 96-87.
- Thompson, Earl A. Bearing. 2,873,152, 2-10-59, Cl. 308-73.
- Thompson, Earl A. Bore finishing tool. 2,874,452, 2-24-59, Cl. 29-90.
- Thompson, Earl A. Valve lifter structure. 2,874,684, 2-24-59, Cl. 123-90.
- Thompson, Earl A. Valve tappet. 2,887,098, 5-19-59, Cl. 123-90.
- Thompson, Earl A. Centerless grinder attachment. 2,915,855, 12-8-59, Cl. 51-103.
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- Thompson, Elmer O., to Philco Corp. Tools. 2,896,605, 7-28-59, Cl. 125-16.
- Thompson, Ernest H., to Automatic Canteen Co. of America. Article dispensing machine. 2,874,872, 2-24-59, Cl. 221-112.
- Thompson, Ernest H. Coffee brewer. 2,899,885, 8-18-59, Cl. 99-289.
- Thompson, Eugene C., to Bell Telephone Laboratories, Inc. Transistor binary adders. 2,908,828, 10-13-59, Cl. 307-88.5.
- Thompson, Ezra C., and E. T. Jagger, to George Angus & Co. Setting rollers in spinning machines. 2,885,740, 5-12-59, Cl. 19-134.
- Thompson, George E. Illuminated ash receptacle. 2,871,341, 1-27-59, Cl. 240-2.
- Thompson, George J.: See—
- Putkovich, Rudy P., and Thompson. 2,897,433.
- Thompson, George W., Jr., to Empire Corp. Pumping apparatus for lapping machine. 2,873,563, 2-17-59, Cl. 51-263.
- Thompson, Glenn S.: See—
- Barden, Wayne A., Snyder, and Thompson. 2,909,749.
- Thompson, Harlan M., to J. J. Hauck. Fletching jigs. 2,918,097, 12-22-59, Cl. 144-289.
- Thompson, Harold B.: See—
- Azari, Eric, Gray, Mallin, and Thompson. 2,905,466.
- Gray, Alfred E., Mallin, and Thompson. 2,883,188.
- Thompson, Harold D. Shelving unit. 2,895,620, 7-21-59, Cl. 211-148.
- Thompson, Harwell B.: See—
- Detwiler, Harry S., Petters, and Thompson. 2,907,810.
- Thompson, Hazel D.: See—
- Giese, John F., and Thompson. 2,917,752.
- Thompson, Herbert L. Fresh water recovery process and apparatus for use in same. 2,896,419, 7-28-59, Cl. 62-58.
- Thompson, Howard. Lazy Susan. 2,913,126, 11-17-59, Cl. 211-85.
- Thompson, Howard G.: See—
- Nelson, Noral A., Wathen, and Thompson. 2,882,813.
- Thompson, Ira G.: See—
- Shepherd, George R. L., Thompson, and Watson. 2,905,664.
- Thompson, Ivan P., W. Allmang, C. E. Hartmann, C. E. Winter, and R. W. Blackburn, to Union Carbide Corp. Process and apparatus for desulfurizing a refractory metal body. 2,873,224, 2-10-59, Cl. 148-9.5.
- Thompson, James B.: See—
- Wells, James R., and Thompson. 2,914,075.
- Thompson, James E. Retractable goal posts. 2,884,252, 4-28-59, Cl. 273-53.
- Thompson, James M. C.: See—
- Garden, William D., and Thompson. 2,889,349.
- Thompson, James R.: See—
- Sizemore, Clarence B., and Thompson. 2,896,039.
- Thompson, Jay D. Punch and die. 2,893,489, 7-7-59, Cl. 164-118.
- Thompson, John H.: See—
- Jones, Charles H., and Thompson. 2,870,396.
- Thompson, John J., and A. P. Knight, to International Business Machines Corp. Soldering flux composition. 2,898,255, 8-4-59, Cl. 148-23.
- Thompson, John K. Dispensers for adhesive tape or the like. 2,889,146, 6-2-59, Cl. 270-61.
- Thompson, John K. Means for dispensing packaging tape from rolls. 2,899,144, 8-11-59, Cl. 242-58.4.
- Thompson, John W.: See—
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- Thompson, John W., to Eastman Kodak Co. Cracked gasoline stabilized against deterioration in the presence of water having a pH of less than 5. 2,887,369, 5-19-59, Cl. 44-74.
- Thompson, John W., and W. V. McConnell, to Eastman Kodak Co. 1,3,5-tri(arylamino)benzene and derivatives thereof as stabilizers for petroleum products. 2,882,136, 4-14-59, Cl. 44-75.
- Thompson, Joseph C. Headrest and process of chiropractic adjustment. 2,886,029, 5-12-59, Cl. 128-69.
- Thompson, Joseph C., and K. W. Nipp. Headrests for chiropractic tables. 2,898,169, 8-4-59, Cl. 311-10.
- Thompson, Joshua B., to The Consolidated Mining and Smelting Co. of Canada Ltd. Method of reducing the caking of ammonium sulphate crystals. 2,905,532, 9-22-59, Cl. 23-119.
- Thompson, Kenneth B.: See—
- Moore, William A. 2,889,739.
- Thompson, Kenneth B., to Penn Optical & Instrument Co. Optical system for alignment inspection. 2,906,161, 9-29-59, Cl. 68-14.
- Thompson, Kenneth C. Squeegee attachment for vacuum cleaner. 2,893,046, 7-7-59, Cl. 15-325.
- Thompson, Kenneth M., to The Atlantic Refining Co. Preparation of improved alkylate products using a sulfuric acid treatment. 2,875,257, 2-24-59, Cl. 260-674.
- Thompson, Leland E., to Radio Corp. of America. Tone multiplex circuit with narrow bandwidth channel-separating filters. 2,894,129, 7-7-59, Cl. 250-27.
- Thompson, Leland E., to Radio Corp. of America. Automatic phase equalizer. 2,906,866, 9-29-59, Cl. 250-6.
- Thompson, Lyle G., and R. H. Murch, to Burroughs Corp. Magnetic unit turns tester. 2,914,729, 11-24-59, Cl. 324-55.
- Thompson Mfg. Co., Inc.: See—
- Thompson, William M. 2,881,707.
- Thompson, Martin A., and R. D. Rug holst and conveyor. 2,876,710, 3-10-59, Cl. 104-89.
- Thompson, Marvin R., and R. E. Therapeutic agents derived from rauwolfia serpentina. 2,870,140, 1-20-59, Cl. 260-236.5.
- Thompson, Norman D.: See—
- Gohrke, Ray W., and Thompson. 2,875,913.
- Thompson, Norman L. Comb wiper. 2,885,704, 5-12-59, Cl. 15-121.3.
- Thompson, Oliver T., and C. F. Cook, to C. W. Max. Bolt-holding type socket wrenches. 2,909,089, 10-20-59, Cl. 81-35.
- Thompson, Orville I., to De Vry Technical Institute, Inc. Educational device for training electronic technicians. 2,882,618, 4-21-59, Cl. 35-19.
- Thompson, Paige W., to General Electric Co. Bearing arrangement. 2,872,255, 2-3-59, Cl. 308-132.
- Thompson, Paige W., to General Electric Co. Single-stage vacuum cleaner. 2,905,267, 9-22-59, Cl. 183-37.
- Thompson, Paul F.: See—
- Huber, Clarence F., and Thompson. 2,874,174.
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- Thompson, Paul F., to Kaiser Aluminum & Chemical Corp. Portable electric cord. 2,900,437, 8-18-59, Cl. 174-116.
- Thompson Products, Inc.: See—
- Allen, Clifford H. 2,881,745.
- Aspellin, Leslie L., and Murray. 2,878,705.
- Bayer, Frank C. 2,867,269.
- Bierling, Robert C., and Southam. 2,882,075.
- Blauvelt, Ralph C., and Eppele. 2,872,631.
- Bollenbacher, Earle P., and Pankuch. 2,905,009.
- Booth, James H. 2,876,030.
- Booth, James H. 2,878,047.
- Braid, Murray D. 2,877,888.
- Cliborn, Robert. 2,869,565.
- Dier, Stephen A. 2,910,316.
- Dulin, Francis C. 2,875,513.
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- Fidler, Robert E. 2,877,032.
- Gair, Albert W. 2,895,766.
- Gammone, Howard M. 2,914,055.
- Gammone, Howard M., and Sampietro. 2,868,438.
- Heiss, John P. 2,879,057.
- Herbenar, Edward J. 2,868,572.
- Herbenar, Edward J. 2,885,020.
- Herbenar, Edward J., and Masur. 2,880,025.
- Hoopes, Theodore B. 2,882,079.
- Jeromson, James R., Jr. 2,891,564.
- Jones, Ernest A. 2,881,398.
- Kilgore, Charles R. 2,873,730.
- Krause, Frank R. 2,878,697.
- Lorenz, Donald L. 2,870,720.
- Markstrum, John A. 2,867,145.
- Marquis, Donald P., and French. 2,868,263.
- Matz, Norman. 2,914,965.
- Murray, John F. 2,881,704.
- Murray, John F., and Wotring. 2,870,719.
- Prasse, Herbert F. 2,870,718.
- Ralston, Eldon K. 2,871,720.
- Rapp, Edward G., and Castle. 2,869,383.
- Schunemann, Carl F., and Jacques. 2,884,581.
- Wozniak, Adolph J. 2,876,422.
- Thompson, Ralph B.: See—
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- Thompson, Ralph B., to Universal Oil Products Co. Deoxy-cholic acid as a separating agent. 2,890,254, 3-31-59, Cl. 260-676.
- Thompson, Ralph B., to Universal Oil Products Co. Alkyl-ation of arylols. 2,881,219, 4-7-59, Cl. 260-613.
- Thompson, Ralph B., to Universal Oil Products Co. Stabili-zation of organic compounds. 2,903,368, 9-8-59, Cl. 99-163.
- Thompson Ramo Wooldridge Inc.: See—
- Allen, Clifford H. 2,915,051.
- Anderson, Robert J., and Hamrick. 2,893,204.
- Angell, Pierce T., and Cliborn. 2,910,005.
- Aspellin, Leslie L. 2,887,063.
- Aspellin, Leslie L., Murray, and Lorenz. 2,897,058.
- Bingham, Neil D. 2,909,354.
- Booth, James H. 2,913,268.
- Chapman, Walter R., and Talas. 2,895,772.
- Cherrie, James M., and McMillan. 2,888,373.
- Cummings, Robert L. 2,907,527.
- Davidson, James W. 2,888,075.
- Di Stefano, John F. 2,887,959.
- Fathauer, George H. 2,910,531.
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- Gleeson, William S., and Stevens. 2,907,310.
- Hall, George V. B. 2,905,165.
- Hall, George V. B., Sampietro, and Hannum. 2,891,718.
- Hambor, Valentine F., Shafranek, and Silverman. 2,909,713.
- Heiss, John P. 2,915,307.
- Herbenar, Edward J. 2,904,346.
- Herbenar, Edward J. 2,909,939.
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- Herbenar, Edward J. 2,917,910.
- Langmuir, David B., and Marrison. 2,880,337.
- Lierse, Kurt F. 2,917,874.
- Lowry, Edgar A. 2,912,514.
- Millard, Thomas E. 2,903,760.
- Miller, Burton F., and Fiden. 2,893,810.
- Moore, Guy R. 2,891,525.
- Murray, John F., and Lorenz. 2,891,483.
- Norton, Samuel H. 2,904,874.
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- Norton, Samuel H. 2,913,004.
- Nyberg, James J. 2,877,448.
- O'Neill, Richard J. 2,916,159.
- O'Neill, Richard J., and MacIntyre. 2,893,777.
- Paetz, Robert A., and Joyce. 2,913,936.
- Pankuch, William J. 2,893,763.
- Pekarek, Edward G. 2,888,244.
- Ralston, Eldon K. 2,887,140.
- Sampietro, Achilles C. 2,893,369.
- Sampietro, Achilles C. 2,905,160.
- Sampietro, Achilles C. 2,909,315.
- Sampietro, Achilles C. 2,910,058.
- Scarborough, Alfred D. 2,892,103.
- Schunemann, Carl F. 2,889,553.
- Smith, Louis R. 2,919,148.
- Wanlass, Cravens L. 2,916,636.
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- Wotring, John A., and Mainland. 2,898,863.
- Thompson, Ransom S., to United States of America. Air Force. Retaining means for pin used for rotor blade at-tachment. 2,906,496, 9-29-59, Cl. 253-77.
- Thompson, Raymond E.: See—
- Waggener, Kenneth E. 2,893,694.
- Thompson, Raymond P.: See—
- Kelley, Gilbert A., Rahm, and Thompson. 2,876,833.
- Thompson, Richard D.: See—
- Thompson, Martin A. and R. D. 2,876,710.
- Thompson, Richard F.: See—
- Ives, Andrew M., and Thompson. 2,895,975.
- Thompson, Richard K.: See—
- Goodale, Walter D., Jr., Pfend, and Thompson. 2,906,823.
- Thompson, Roger D., to Radio Corp. of America. Color image reproducing apparatus. 2,896,016, 7-21-59, Cl. 178-5.4.
- Thompson, Roy C.: See—
- Katzin, Leonard I., Larson, Thompson, and Van Winkle. 2,887,355.
- Seaborg, Glenn T., Thompson, and Albaugh. 2,886,406.
- Thompson, Roy F. Sawhorse form. 2,889,176, 6-2-59, Cl. 304-5.
- Thompson, Russell G., to Eastman Kodak Co. Means for inverting facsimile signals derived from coded signals. 2,892,030, 6-23-59, Cl. 178-30.
- Thompson, Russell G., and C. E. Hunt, Jr., to Eastman Kodak Co. Apparatus for synthesizing facsimile signals from coded signals. 2,899,498, 8-11-59, Cl. 178-22.
- Thompson, Samuel P. Pump with flexible impeller. 2,911,920, 11-10-59, Cl. 103-117.
- Thompson Scoop-Grader, Inc.: See—
- Thompson, William R. 2,870,551.
- Thompson, Seymour H., to Continental Water Heater Co. Gas water heater. 2,888,911, 6-2-59, Cl. 122-156.
- Thompson, Sidney G.: See—
- Felzer, Harold H., and Thompson. 2,885,701.
- Thompson, Stanley G.: See—
- Dreher, John L., Koshland, Thompson, and Willard. 2,907,631.
- Hulet, Ervin K., and Thompson. 2,891,839.
- James, Ralph A., and Thompson. 2,911,282.
- Miller, Daniel R., Seaborg, and Thompson. 2,917,358.
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- Thompson, Stanley G., and D. R. Miller, to United States of America. Atomic Energy Commission. Method of main-taining plutonium in a higher state of oxidation during processing. 2,892,678, 6-30-59, Cl. 23-14.5.
- Thompson, Stuart W., to Lever Brothers Co. Fluid shorten-ing composition. 2,875,065, 2-24-59, Cl. 99-118.
- Thompson, Thomas R., J. E. Duffy, and H. T. Dybrvig, to General Aniline & Film Corp. High-speed print-out emulsions. 2,888,347, 5-26-59, Cl. 99-94.
- Thompson, Tom H., to Sabre Research Corp. Fuel pump. 2,889,781, 6-9-59, Cl. 103-38.
- Thompson, Tom H., to Sabre Research Corp. Fuel pump with diaphragm spring. 2,918,008, 12-22-59, Cl. 103-4.
- Thompson, Walter N.: See—
- Rich, John P., Luthi, and Thompson. 2,908,226.
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- Thompson, Wesley. Umbrella holder. 2,883,247, 4-21-59, Cl. 311-17.
- Thompson, William B., to General Motors Corp. Closed cen-ter valve with zero leak feature. 2,882,867, 4-21-59, Cl. 121-46.5.
- Thompson, William B., and R. J. Wrobbel; said Wrobbel assor. to The Garlock Packing Co., and said Thompson assor. to General Motors Corp. High-pressure fluid seals. 2,905,489, 9-22-59, Cl. 286-26.
- Thompson, William E.: See—
- Wiess, Henry C., and Thompson. 2,876,331.
- Thompson, William E., to Sun Oil Co. Polypropylene process. 2,880,121, 3-31-59, Cl. 134-2.
- Thompson, William E., to Sun Oil Co. Photochemical prepa-ration of urea. 2,916,427, 12-8-59, Cl. 204-158.
- Thompson, William E., and F. A. Boyle to Sun Oil Co. Treat-ment of underground formations. 2,908,642, 10-13-59, Cl. 252-8.55.
- Thompson, William E., and F. A. Boyle to Sun Oil Co. Treat-ment of limestone formations. 2,908,643, 10-13-59, Cl. 252-8.55.
- Thompson, William E., and G. S. Leeder, to Sun Oil Co. Oxygenated crystalline polypropylene, method of making, and wax composition containing same. 2,911,384, 11-3-59, Cl. 260-28.5.
- Thompson, William H.: See—
- Johnson, Carl E., and Thompson. 2,908,624.
- Thompson, William H. Safety switch. 2,879,349, 3-24-59, Cl. 200-61.5.
- Thompson, William J.: See—
- Royer, Arthur G., and Thompson. 2,874,636.
- Thompson, William L. Gun mount. 2,919,058, 12-29-59, Cl. 224-1.
- Thompson, William M., to Thompson Mfg. Co., Inc. Portable pump. 2,881,707, 4-14-59, Cl. 103-88.
- Thompson, William R., to Thompson Scoop-Grader, Inc. Road working machine. 2,870,551, 1-27-59, Cl. 37-117.3.
- Thompson, Willie M. S., to Safe-T-Systems, Corp. Auxiliary brake release device for railway air brake systems. 2,878,077, 3-17-59, Cl. 303-68.

- Thompson, Wirt L., Jr. Molded fabric and brassiere construc-tion and method of making the same. 2,867,889, 1-13-59, Cl. 28-72.
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- Thompson, Wirt L., Jr. Inked printing ribbon for use in typewriters or the like and method of making the same. 2,918,160, 12-22-59, Cl. 197-172.
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- Summers, Lumus L. 2,917,283.
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- Smith, Alfred P., Jr., and Thoms. 2,898,831.
- Thomsen, Alfred M. Method of making hydrogen and appa-ratus therefor. 2,879,139, 3-24-59, Cl. 23-213.
- Thomsen, Alfred M. Method of making paper pulp. 2,898,994, 8-11-59, Cl. 162-24.
- Thomsen, Howard J.: See—
- Redmond, Robert L., and Thomsen. 2,912,136.
- Thomsen, L. C., and Sons, Inc.: See—
- Kastner, Donald E. 2,897,569.
- Thomsen Research Co., Inc.: See—
- Bronson, James D., Jr. 2,872,335.
- Thomsen, Soren M.: See—
- Bube, Richard H., and Thomsen. 2,916,678.
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- Rockafellow, Stuart C., and Thomsen. 2,915,635.
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- Thomsen, Ely K. Package handling machine. 2,870,922, 1-27-59, Cl. 214-6.
- Thomsen, George, C. G. Cook, and P. M. Pepin, to Fabric Research Laboratories, Inc. Method of reducing the alkali solubility of wool by treatment with acrolein. 2,880,055, 3-31-59, Cl. 8-133.
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- Thomsen, John B. Thrust bearing. 2,872,256, 2-3-59, Cl. 308-163.
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- Thomsen, John W., Jr., to Owens-Illinois Glass Co. Rinser for one-way bottles. 2,896,647, 7-28-59, Cl. 134-133.
- Thomsen, Robert F.: See—
- Holzwarth, James C., and Thomsen. 2,867,531.
- Holzwarth, James C., and Thomsen. 2,899,304.
- Holzwarth, James C., and Thomsen. 2,907,653.
- Thomsen, Marvin R., and R. E. 2,870,140.
- Thomsen, Robert F., to General Motors Corp. Sintered pow-dered aluminum base bearing. 2,894,319, 7-14-59, Cl. 29-182.5.
- Thomsen, Robert F., to General Motors Corp. Aluminum coated steel having chromium in diffusion layer. 2,917,818, 12-22-59, Cl. 29-196.2.
- Thomsen, Robert F., and E. W. Weinman, to General Motors Corp. Method of forming a sintered powdered metal piston ring. 2,882,190, 4-14-59, Cl. 148-12.
- Thomsen, Robert F., R. S. Amala, and C. M. Eberhardt, to General Motors Corp. Shell molding. 2,873,493, 2-17-59, Cl. 22-193.
- Thomsen, Robert F., and J. C. Holzwarth, to General Motors Corp. Ferrous base alloy. 2,883,280, 4-21-59, Cl. 75-122.
- Thomsen, Robert F., and E. W. Weinman, to General Motors Corp. Wear-resistant sintered powdered metal. 2,884,687, 5-5-59, Cl. 29-182.
- Thomsen, Robert F., A. A. Shoudy, Jr., and D. K. Hanink, to General Motors Corp. Method of aluminum coating. 2,885,304, 5-5-59, Cl. 117-46.
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- Thomsen, Samuel G., Jr., to Thomson Automatics, Inc. Control apparatus for machine tools or the like. 2,911,868, 11-10-59, Cl. 82-2.
- Thomsen, William L., to Edwin L. Wiegand Co. Electric heat-ing devices. 2,917,616, 12-15-59, Cl. 219-34.
- Thonger, Thurman G., to Poor & Co. Recessed tie plate. 2,872,121, 2-3-59, Cl. 238-306.
- Thor, James P. Sheet clipping tool. 2,874,666, 2-24-59, Cl. 113-1.
- Thor Power Tool Co.: See—
- Fuehrer, George H. 2,914,031.
- Kaman, Frank A., and Vega. 2,890,072.
- Sandvig, Robert L. 2,890,021.
- Skoog, Donald K. 2,886,075.
- Thor, Robert C., and J. B. Linker, Jr., to General Electric Co. Deflection circuit. 2,906,919, 9-29-59, Cl. 315-24.
- Thorburn, John H. Spear gun. 2,869,273, 1-20-59, Cl. 43-6.
- Thorburn, Milton R., to American Optical Co. Optical pro-tection apparatus. 2,872,841, 2-10-59, Cl. 88-16.
- Thore, Thomas J., to Fidelity Machine Co., Inc. Stripping mechanism for circular knitting machines. 2,901,900, 9-1-59, Cl. 66-144.
- Thore, Thomas J., to Fidelity Machine Co., Inc. Knitting machine needle. 2,914,934, 12-1-59, Cl. 66-123.
- Thorn, Bertil, to Allmänna Svenska Elektriska Aktiebolaget. Over-voltage protective device. 2,909,694, 10-20-59, Cl. 313-153.
- Thorens, S. A.: See—
- Lecoultrre, Edgar. 2,884,827.
- Thorensen, Ragnar: See—
- Arsenault, William R., Garfein, and Thorensen. 2,905,834.
- Thorensen, Ragnar, and B. F. Ambrosio, to United States of America, Commerce. Transcriber selection circuit for magnetic drum memory. 2,913,706, 11-17-59, Cl. 340-174.
- Thoresen, Carl B., and F. Ellassen. Foot and back rest. 2,918,682, 12-29-59, Cl. 5-327.
- Thoresen, Einar. Fluid dispensing device. 2,892,570, 6-30-59, Cl. 222-20.
- Thoreson-McCosh, Inc.: See—
- McCosh, Frederick I. 2,916,831.
- Thormac Packaging Corp.: See—
- McClary, Harry R. 2,919,020.
- Thorman, Richard L., to General Motors Corp. Fluid pres-sure supply system. 2,910,942, 11-3-59, Cl. 103-4.
- Thorn, David E., and E. S. Nachtmann, to La Salle Steel Co. Case-hardened, worked steels. 2,881,109, 4-7-59, Cl. 148-121.
- Thorn Electrical Industries Ltd.: See—
- Lancucki, Marian A., and Strange. 2,891,141.
- Mash, Derek H. 2,918,582.
- Mash, Derek H. 2,919,366.
- Squire, Major, and Turner. 2,903,571.
- Stevens, Bertram. 2,905,807.
- Strange, John W. 2,872,567.
- Thorn, John P., to Esso Research and Engineering Co. De-sulfurizing petroleum fractions with platinum. 2,876,196, 3-3-59, Cl. 208-244.
- Thorn, John P., and W. R. F. Guyer, to Esso Research and Engineering Co. Hydrocarbon conversion catalysts. 2,890,178, 6-9-59, Cl. 252-455.
- Thorn, Robert J.: See—
- Reynolds, Donald S., and Thorn. 2,893,598.
- Thornbery, James M., and J. N. Wognum, to Acme Steel Co. Strap sealing tool. 2,891,432, 6-23-59, Cl. 81-9.1.
- Thornbery, John H., to Baso, Inc. Control device. 2,874,905, 2-24-59, Cl. 236-9.
- Thornburg, Harold A., to United States Rubber Co. Heat exchange roll. 2,908,486, 10-13-59, Cl. 257-95.
- Thornburg, Herbert W., to Bucyrus-Erie Co. Rotary well drill feed. 2,869,826, 1-20-59, Cl. 266-22.
- Thornburg, Hubert L. Hat hangers. 2,889,935, 6-9-59, Cl. 211-30.
- Thornburg, Lloyd. Truck seat attachment. 2,903,042, 9-8-59, Cl. 135-5.
- Thornburgh, John A., and J. M. Hobelman. Ditch digging and tunneling machines having a vertically reciprocating cutting head. 2,879,980, 3-31-59, Cl. 262-5.
- Thorne, Curtis B., R. D. Housewright, and C. G. Leonard. Production of glutamyl polypeptide by bacillus subtilis. 2,895,882, 7-21-59, Cl. 195-86.
- Thorne, Harold. Latches or locks for doors. 2,877,044, 3-10-59, Cl. 292-280.
- Thorne, Howard B. Illuminated display devices. 2,876,339, 3-3-59, Cl. 240-10.1.
- Thorne, Henry C., Jr., and H. M. Belkin, to Standard Oil Co. Hydroforming process. 2,877,173, 3-10-59, Cl. 208-96.
- Thorne, Marvin Y. Coal cutting bit having three cutting tips. 2,873,960, 2-17-59, Cl. 262-33.
- Thorne, Maurice A., to General Motors Corp. Air heating and cooling apparatus for vehicles. 2,873,953, 2-17-59, Cl. 257-7.
- Thorne, William D.: See—
- Benson, Alfred B., and Thorne. 2,919,427.
- Thorne, Robert H. Self cleaning means for air or gas flow devices. 2,887,997, 5-26-59, Cl. 123-103.
- Thorne, Robert H. Engine governor. 2,887,998, 5-26-59, Cl. 123-103.
- Thorne, Robert H. Engine governor. 2,887,999, 5-26-59, Cl. 123-103.
- Thorne, Robert H. Reminder device. 2,894,336, 7-14-59, Cl. 35-66.
- Thorne, Robert H. Throttle control device. 2,917,142, 12-15-59, Cl. 192-3.
- Thorness, Rudolph B.: See—
- Ney, Edward P., Thorness, and Winckler. 2,872,808.



- Thorness, Rudolph B., to United States of America, Navy. Balloon load release control mechanism. 2,907,843, 10-6-59, Cl. 200-83.
- Thornhill-Craver Co., Inc.: See—  
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Loeffler, John E., and Hall, 2,877,287.  
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Nordin, Obert L., 2,896,502.
- Thornhill, Dalbert, to J. F. Thornhill, Mason's adjustable ski runner. 2,910,861, 11-3-59, Cl. 72-138.
- Thornhill, John R., to Thornhill with built-in suction tube. 2,887,256, 5-19-59, Cl. 222-527.
- Thornhill, Johnnie F.: See—  
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- Thornhill, Philip G., to Falconbridge Nickel Mines Ltd. Method of and apparatus for roasting metal sulfide concentrates in a fluidized bed. Re. 24,724, 10-20-59, Cl. 75-9.
- Thornley, Robert B.: See—  
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- Thornton, Benjamin F., Jr.: See—  
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- Thornton, Clarence G., to Sylvania Electric Products Inc. Silicon rectifiers. 2,891,203, 6-16-59, Cl. 317-240.
- Thornton, F. C., Co., The: See—  
Hornsby, Vivian D., 2,905,496.
- Thornton, James L.: See—  
Ruff, Edgar E., and Thornton, 2,880,178.
- Thornton, James R., and D. F. Marsh, deceased (A. S. Marsh, executor), to Spencer Chemical Co. 5-(2,4-dihalophenyl) hydantoines. 2,891,069, 6-16-59, Cl. 260-309.5.
- Thornton, Jens: See—  
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- Thornton, John D., to United States of America, Atomic Energy Commission. Pumps. 2,879,144, 3-24-59, Cl. 23-270.5.
- Thornton Knitting Co., Inc.: See—  
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- Thornton, Mathew H., Anti-glare device. 2,875,670, 3-3-59, Cl. 88-41.
- Thornton, Richard D., to United-Carr Fastener Corp. Electronic counter. 2,883,108, 4-21-59, Cl. 235-92.
- Thornton, Robert L.: See—  
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- Thornton, Samuel A., to S. A. Thornton, Jr. Can pier. 2,874,854, 2-24-59, Cl. 214-9.
- Thornton, Samuel A., Jr.: See—  
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- Thornton-Trump, Walter E., to Trump Engineers Ltd. Side mount mower. 2,877,618, 3-17-59, Cl. 56-25.4.
- Thornton, William E.: See—  
Lolmaugh, Orson B., Thornton, and Smith, 2,869,120.
- Thornton, William E., to Del Mar Engineering Laboratories. Photographic recording means. 2,909,772, 10-20-59, Cl. 343-5.
- Thornwald, Everett D., to Clements Mfg. Co. Vacuum cleaner attachment coupling with spring biased latch means. 2,907,588, 10-6-59, Cl. 285-7.
- Thorpe, Arthur G., II: See—  
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- Thorpe, Clark E., L. C. Kinney, and A. J. Gaynor, to Air Reduction Co., Inc. Ozonizer manufacture. 2,876,188, 3-3-59, Cl. 204-176.
- Thorpe, Dennis A., and A. E. Usher, to The British Oxygen Co. Ltd. Nozzle securing means. 2,872,563, 2-3-59, Cl. 219-75.
- Thorpe, Alan W.: See—  
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- Thorpe, Charles L.: See—  
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Dinwiddie, James A., Mosesman, and Thorpe, 2,902,431.
- Thorpe, Lawrence R., Display package. 2,868,371, 1-13-59, Cl. 206-79.
- Thorpe, Robert J., and D. F. Winters, to Westinghouse Electric Corp. Liquid fuel distributing systems for combustion engines. 2,870,826, 1-27-59, Cl. 158-36.
- Thorpe, Ronald J., to Allen & Hanburys Ltd. Operation tables having removably supported interchangeable head and leg extension sections. 2,872,259, 2-3-59, Cl. 311-10.
- Thorpe, Ronald J., to Allen & Hanburys Ltd. Surgical operation table with single control means. 2,898,168, 8-4-59, Cl. 311-7.
- Thorpe, Thomas E., Cleaning dabber. 2,878,500, 3-24-59, Cl. 15-134.
- Thorpe, William R.: See—  
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- Thorsén, Jarl M.: See—  
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- Thorsén, Jarl M., to Telefonaktiebolaget L M Ericsson. Device for selecting and transforming pulses in multi-channel pulse communication systems. 2,906,825, 9-29-59, Cl. 179-15.
- Thorsén, Jarl M., to Telefonaktiebolaget L M Ericsson. Modulator for amplitude modulating a pulse train. 2,917,717, 12-15-59, Cl. 332-15.
- Thorsén, Walter J., Fire alarm apparatus. 2,913,709, 11-17-59, Cl. 340-227.
- Thorsson, Matthew T., and L. J. Lauer, to Fairbanks, Morse & Co. Batch weigher. 2,868,491, 1-13-59, Cl. 249-14.
- Thorp, Abraham B., to Central Fibre Products Co., Inc. Folding box with partition. 2,899,121, 8-11-59, Cl. 229-27.
- Thoss, Jack L.: See—  
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- Thostenson, Lewis D., to Salisbury Corp. Wheel supporting and clamping device. 2,873,777, 2-17-59, Cl. 144-238.
- Thourel, Leo, to Compagnie Generale de Telegraphie Sans Fil. Aerials for radar systems. 2,907,030, 9-29-59, Cl. 343-754.
- Thourel, Léo, to Compagnie Generale de Telegraphie Sans Fil. Variable pattern radar aerial. 2,913,723, 11-17-59, Cl. 343-777.
- Thowman, Thorwald G. G., Record holders. 2,908,394, 10-13-59, Cl. 211-40.
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- Thrasher, Elbridge W., Lumber stacker. 2,878,947, 3-24-59, Cl. 214-6.
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- Thredgill, William J.: See—  
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- Thredgold, Philip, to The British Petroleum Co. Ltd. Telemetering. 2,888,664, 5-26-59, Cl. 340-160.
- Thredgold, Ronald: See—  
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- Thredgold, Ronald, to Automatic Telephone & Electric Co. Ltd. Adding arrangements. 2,870,963, 1-27-59, Cl. 235-61.
- Thresher, Albert W., and H. W. Attachment for a lift truck. 2,875,912, 3-3-59, Cl. 214-654.
- Thresher, Howard W.: See—  
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- Thrift, Griffin C., to Koch Engineering Co., Inc. Sectional deck construction having spaced overlaps. 2,903,231, 9-8-59, Cl. 261-114.
- Throckmorton, John W., and J. S. Wallis, to Petro-Chem Process Co., Inc. Vertical tube furnace. 2,902,981, 9-8-59, Cl. 122-356.
- Thruener, Everett E., and J. S. Leibson, to General Electric Co. Method and apparatus for manufacturing ceramic insulator shapes. 2,912,739, 11-17-59, Cl. 25-22.
- Thullier, Jean E., F. Litvan, and W. Stoll, to Geigy Chemical Corp. Eugenol glycolic acid and isoeugenol glycolic acid amides. 2,911,440, 11-3-59, Cl. 260-559.
- Thulke, Herman G.: See—  
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- Thulke, Hermann G., to Chas. Pfizer & Co. Channelling device for an article transferring apparatus. 2,881,897, 4-14-59, Cl. 198-30.
- Thulke, Hermann G., and C. H. Abbe, to Chas. Pfizer & Co., Inc. Labeling machine. 2,886,200, 5-12-59, Cl. 216-55.
- Thumm, Carl, to I-T-E Circuit Breaker Co. Circuit breaker anti-pumping device. 2,884,569, 4-28-59, Cl. 317-54.
- Thumm, Carl, to E. P. Lawson Co., Inc. Back gauge slot closing member. 2,881,834, 4-14-59, Cl. 164-59.
- Thumm, Carl, to I-T-E Circuit Breaker Co. Temperature compensated time delay dashpot. 2,881,870, 4-14-59, Cl. 188-96.
- Thumm, Carl, to E. P. Lawson Co., Inc. Torque motor booster for clamp treadle of paper cutters. 2,887,895, 5-26-59, Cl. 74-388.
- Thumm, Carl, to E. P. Lawson Co., Inc. Hand wheel assembly for back gauge of paper cutters. 2,894,479, 7-14-59, Cl. 116-115.
- Thumliery, Buscher, to The Singer Mfg. Co. Plait forming attachments for sewing machines. 2,918,026, 12-22-59, Cl. 112-135.
- Thumm, Byron A.: See—  
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- Thumm, Byron A., to American Viscose Corp. All skin viscose rayon. 2,888,356, 5-26-59, Cl. 106-165.
- Thumm, Byron A., to American Viscose Corp. Method of producing all skin rayon. 2,902,381, 9-1-59, Cl. 106-165.
- Thumm, Byron A., to American Viscose Corp. Producing all skin rayon. 2,919,203, 12-29-59, Cl. 106-165.
- Thummel, Ludwig, and M. Aeberhardt, to Saul & Co., nominee of Fidelity Union Trust Co., Executive trustees under Sandoz Trust. Method of dyeing mixtures of animal fibers and synthetic polyamide fibers with reservation of the latter. 2,869,968, 1-20-59, Cl. 8-21.
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- Thurby, Leslie T., and J. B. Collins, to Gravinier Mfg. Co. Ltd. Radiation detection and indicating devices. 2,909,668, 10-20-59, Cl. 250-213.
- Thurman, Astor L., and D. Hancke, to Mannesmann-Meer Engineering and Construction Co. Rolling mill knockout apparatus. 2,868,348, 1-13-59, Cl. 198-21.
- Thurman, Benjamin H., to B. Clayton. Process for refining fatty oils. 2,876,242, 3-3-59, Cl. 260-425.
- Thurman, Benjamin H., to The Union Stock Yard and Transit Co. of Chicago. Soap mixing unit and supply system. 2,879,143, 3-24-59, Cl. 23-267.
- Thurman, Benjamin H., to B. Clayton, doing business under the fictitious name and style of Refining, Uninc. Pipe line mixer. 2,892,619, 6-30-59, Cl. 259-7.
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- Thurman, Robert B., Matrix retainer. 2,918,724, 12-29-59, Cl. 32-63.
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- Thurmon, Francis M., to Rohm & Haas Co. Hydrophilic base therapeutic compositions comprising cation-exchange resin. 2,919,230, 12-29-59, Cl. 167-63.
- Thurmond, Carl D., to Bell Telephone Laboratories, Inc. Alloyed semiconductor contacts. 2,877,147, 3-10-59, Cl. 148-1.5.
- Thurmond, Carl D., to Bell Telephone Laboratories, Inc. Recovery of silicon from silicon dioxide. 2,904,405, 9-15-59, Cl. 23-223.5.
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- Thurnher, Ferdinand, to Washington Iron Works. Multi-platen hot press. 2,884,032, 4-28-59, Cl. 144-281.
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- Thurston, Edward G., to Clivite Corp. Device for providing reproducible mechanical motions. 2,867,701, 1-6-59, Cl. 200-87.
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- Thyer, Roger, to Inland Homes Corp. Prefabricated houses. 2,892,192, 6-30-59, Cl. 1-66.
- Thygeson, John R., Sr., to Proctor & Schwartz, Inc. Tenter driers. 2,894,334, 7-14-59, Cl. 34-158.
- Thylefors, Henric W., to Aktiebolaget Separator. Continuously operating centrifugal separator. 2,910,226, 10-27-59, Cl. 233-14.
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- Tibbetts, George C., to Tibbetts Laboratories, Inc. Transducer sealing. 2,877,362, 3-10-59, Cl. 310-8.9.
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- Tibbling, Stig B., to International Business Machines Corp. Key lever. 2,889,026, 6-2-59, Cl. 197-106.
- Tibbott, David W., Audible multitone alarm. 2,904,783, 9-15-59, Cl. 340-392.
- Tice, Leroy E., and W. H. Ness, to Cook Electric Co. Electrical component and connector. 2,915,712, 12-1-59, Cl. 333-8.
- Ticehurst, Laurence E., to Raytheon Mfg. Co. Induction heating apparatus. 2,882,378, 4-14-59, Cl. 219-10.69.
- Ticer, Cecil D., Leader with releasable sinker. 2,884,735, 5-8-59, Cl. 43-43.12.
- Tichler, Peter W., to Union Carbide Corp. Gas shielded metal arc welding. 2,916,600, 12-8-49, Cl. 219-74.
- Tichnor, Harry N., to Colourpicture Publishers, Inc. Display support. 2,913,210, 11-17-59, Cl. 248-223.
- Tichy, William C., Anti-colic nursing device. 2,868,203, 1-13-59, Cl. 128-252.
- Ticknor, William C., to Federal-Mogul-Bower Bearings, Inc. Flexible hose. 2,895,509, 7-21-59, Cl. 138-49.
- Tidd, Victor S., and W. Dickson, to Root-Loewell Mfg. Co. Atomizing spraying device. 2,886,251, 5-12-59, Cl. 239-342.
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- Tiedemann, Julius B., to A. O. Smith Corp. Offsetting press. 2,887,145, 5-19-59, Cl. 153-48.
- Tiedemann, Julius B., to A. O. Smith Corp. Safety mechanism for a draw rolling mill. 2,890,608, 6-16-59, Cl. 80-19.
- Tiedemann, Julius B., to A. O. Smith Corp. Draw rolling mill. 2,896,485, 7-28-59, Cl. 80-19.
- Tiedemann, Julius B., to A. O. Smith Corp. Cushioning means for double action presses. 2,900,943, 8-25-59, Cl. 113-45.
- Tiedemann, Richard A., to A. O. Smith Corp. Welding head positioner. 2,900,829, 8-25-59, Cl. 74-89.
- Tiedje, John L.: See—  
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- Tielens, Roger E., to Rotary Engineering de Mexico, S.A. Transmissions. 2,900,845, 8-25-59, Cl. 74-688.
- Tieman, Harold E., Monorail cleaner. 2,915,019, 12-1-59, Cl. 104-279.
- Tien, Jack M., Acyl hydrazine derivatives of bis (4-dimethylaminophenyl) methane and process. 2,900,388, 8-18-59, Cl. 260-295.
- Tien, Ping K., to Bell Telephone Laboratories, Inc. Microwave amplifier. 2,883,481, 4-21-59, Cl. 179-171.
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- Tiers, George V. D., and R. J. Koshar, to Minnesota Mining and Mfg. Co. Polyfluorinated sulfonic acids and derivatives. 2,877,267, 3-10-59, Cl. 260-543.
- Tieslau, Henry A., Load carriage for a road vehicle. 2,867,341, 1-6-59, Cl. 214-672.
- Tiesler, Gerd: See—  
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- Tietgen, Hans P.: See—  
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- Tietig, Chester, Pneumatic hold-down for cargo spaces. 2,907,580, 10-6-59, Cl. 280-179.
- Tietig, Rudolph, Jr., and D. J. Pollingue, Jr., to A. J. Boynton & Co. Apparatus for adding solid material to molten metal. 2,872,180, 2-3-59, Cl. 266-34.
- Tietz, Carl M., and P., to Live Grass-Pack Co. Method of producing a live grass package. 2,876,588, 3-10-59, Cl. 47-58.
- Tietz, La Vern R.: See—  
Yellinek, Gustav H., Niebergall, and Tietz, 2,907,121.
- Tietz, Pearl: See—  
Tietz, Carl M., and P., 2,876,588.
- Tietze, Ernst: See—  
Petersen, Siegfried, Tietze, and Wirth, 2,913,454.
- Tietze, Hermann: See—  
Möllerling, Karl F., and Tietze, 2,888,920.
- Tietze, Hermann, to O. H. Dräger. Respiratory face mask. 2,891,540, 6-23-59, Cl. 128-141.



- Tietze, Hermann, to O. H. Drager. Anti-fogging face mask. 2,891,541, 6-23-59, Cl. 128-141.
- Tiffany, Burris D., to The Upjohn Co. 3-[N,N-di(lower alkyl)-carbamyl]-2-acyloxybiphenyl compounds. 2,879,290, 3-24-59, Cl. 260-479.
- Tiffany, John A.: See—  
Starling, Leslie R., and Tiffany. 2,878,668.
- Tiger, Emil, to Sound, Inc. Tape transporting device for use with cartridges. 2,898,408, 8-4-59, Cl. 179-100.2.
- Tiger, Emil, to Sound, Inc. Motor mounting for magnetic recording devices. 2,915,265, 12-1-59, Cl. 248-18.
- Tikanen, William A., to Genisco, Inc. Pressure responsive resistor. 2,870,301, 1-20-59, Cl. 201-48.
- Tikanen, William A., to Genisco, Inc. Fluid pressure detector. 2,890,588, 6-16-59, Cl. 73-410.
- Tilden, Carl V. Drilling apparatus. 2,879,035, 3-24-59, Cl. 255-50.
- Tilden, Carl V. Percussion drill bit and method of producing it. 2,902,259, 9-1-59, Cl. 255-63.
- Tilden, Carl V. Drill bit. 2,902,260, 9-1-59, Cl. 255-69.
- Tilden, Carl V. Core drill construction. 2,918,260, 12-22-59, Cl. 255-50.
- Tile Council of America, Inc.: See—  
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- Tiley, John W.: See—  
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- Tilford, Charles H.: See—  
Palopoli, Frank P., Krueger, and Tilford. 2,886,570.  
Van Campen, Marcus G., Jr., and Tilford. 2,874,161.
- Tilford, Charles H., F. J. McCarty, and M. G. Van Campen, Jr., to The Wm. S. Merrell Co. Therapeutic composition. 2,894,949, 7-14-59, Cl. 260-244.
- Till, Albert. Machine or engine with rotary turbine blade wheel. 2,912,220, 11-10-59, Cl. 253-39.
- Till, Robert A., and I. J. Acosta, to Crane Co. Adjustable valve actuation means. 2,905,433, 9-22-59, Cl. 251-251.
- Tiller, Hans, to Cycloptic Anstalt fur Optik und Mechanik in Vaduz. Film guides. 2,897,719, 8-4-59, Cl. 88-17.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. Lower alkyl esters of n-furfurylthiolcarbamate acid as compositions and herbicides. 2,887,372, 5-19-59, Cl. 71-2.5.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. N-alkyl, N-allyl thiolcarbamate compositions. 2,901,498, 8-25-59, Cl. 260-455.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. Lower alkyl esters of N-alkoxyalkylthiolcarbamate acids. 2,901,499, 8-25-59, Cl. 260-455.
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- Tilles, Harry, and A. B. Lindquist, to Stauffer Chemical Co. Amyl-N,N-diethylthiolcarbamate and use as herbicide. 2,913,325, 11-17-59, Cl. 71-2.7.
- Tilles, Harry, and A. B. Lindquist, to Stauffer Chemical Co. Propyl-N,N-diethylthiolcarbamate and use as herbicide. 2,913,326, 11-17-59, Cl. 71-2.7.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. Certain thiolcarbamates and use as herbicides. 2,913,327, 11-17-59, Cl. 71-2.7.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. Isobutyl-N,N-diethylthiolcarbamate and use as herbicide. 2,913,328, 11-17-59, Cl. 71-2.7.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. Dialkylthiolcarbamates and their use as herbicides. 2,916,369, 12-8-59, Cl. 71-2.7.
- Tilles, Harry, and J. Antognini, to Stauffer Chemical Co. Chlorinated thiolcarbamates and their use as herbicides. 2,916,370, 12-8-59, Cl. 71-2.7.
- Tilley, Aubra E., to California Research Corp. Seismic prospecting utilizing trace integration. 2,879,860, 3-31-59, Cl. 181-5.
- Tilley, David. Means for applying simulated masonry to walls and the exterior surfaces of buildings. 2,893,098, 7-7-59, Cl. 25-1.
- Tilley, Donald W.: See—  
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- Till, Vincent L., and A. L. Bohlinger, to General Electric Co. Fault-responsive sectionalizing valve arrangement. 2,873,759, 2-17-59, Cl. 137-266.
- Tillman, Edwin E., to Triple Seal Corp. Device for threading plugs through punctures in tires. 2,871,742, 2-3-59, Cl. 81-15.7.
- Tillman, Robert M., to Burroughs Corp. Discriminator. 2,900,508, 8-18-59, Cl. 250-31.
- Tillman, Robert M., to Burroughs Corp. Square wave oscillator. 2,912,653, 11-10-59, Cl. 331-113.
- Tillotson Mfg. Co., The: See—  
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Phillips, Bernard C. 2,905,327.
- Tilman, Ted N.: See—  
Jennings, Jo E., and Tilman. 2,917,596.
- Tilmann, Richard A., to Cribben and Sexton Co. Gas burning space heater. 2,880,717, 4-7-59, Cl. 126-110.
- Tilney, Ralph B.: See—  
Dube, John E., and Tilney. 2,876,629.
- Tilney, Ralph B., to Alco Valve Co. Reverse cycle valve. 2,888,039, 5-26-59, Cl. 137-601.
- Tilney, Ralph B., to Alco Valve Co. Electric control circuits for heat pumps. 2,900,805, 8-25-59, Cl. 62-160.
- Tilney, Ralph B., to Alco Valve Co. Reversing valve particularly for deep well pumps. 2,902,051, 9-1-59, Cl. 137-620.
- Tilt-A-Door Corp.: See—  
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- Tiltman Langley Ltd.: See—  
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- Tilton, Russell G., to Multiscope, Inc. Moving stairway hand rail construction. 2,879,881, 3-31-59, Cl. 198-16.
- Tilton, William J., and W. T. Leslie, to Raymond Bag Corp. Liner inserting device. 2,896,516, 7-28-59, Cl. 93-8.
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Slatin, Harvey L. 2,919,234.
- Timber Engineering Co.: See—  
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- Timber Structures, Inc.: See—  
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Moe, William W. 2,873,312.  
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- Timefax Corp.: See—  
Dalton, Harold R. 2,887,632.
- Timely Novelty Corp.: See—  
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- Timken Roller Bearing Co., The: See—  
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- Timms, Walter C., to Bell Telephone Laboratories, Inc. Transistor gain-bandwidth test circuit. 2,909,730, 10-20-59, Cl. 324-158.
- Timmer, David J., to General Motors Corp. Refrigerating apparatus. 2,892,325, 6-30-59, Cl. 62-456.
- Timmerman, Julius W., to Allis-Chalmers Mfg. Co. Control system for fluid operated mechanism. 2,873,084, 2-10-59, Cl. 251-239.
- Timmerman, Julius W., to Allis-Chalmers Mfg. Co. Circuit breaker structure with improved interlocking mechanism for protecting operating personnel. 2,914,707, 11-24-59, Cl. 317-103.
- Timmerman, Robert W.: See—  
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- Timmerman, Robert W., and H. C. Kutz, to Food Machinery and Chemical Corp. Method of producing carbon disulfide. 2,888,329, 5-26-59, Cl. 23-206.
- Timmls, Geoffrey M., to Burroughs Wellcome & Co. (U.S.A.) Inc. Leukemia treatment. 2,917,432, 12-15-59, Cl. 167-65.
- Timmer, Helmut: See—  
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- Timmons, Charles E., to Stephen Whitman & Son, Inc. Mechanical stroking device. 2,880,695, 4-7-59, Cl. 118-14.
- Timmons, George A., and M. Semchyshev, to American Metal Climax, Inc. Molybdenum-titanium-cobalt alloy. 2,884,324, 4-28-59, Cl. 75-176.
- Timms, Louise V. Compression holder for elongated objects. 2,899,077, 8-11-59, Cl. 211-60.
- Timoff, George T., and W. K. Jensen, to General Motors Corp. Horn blowing mechanism. 2,894,090, 7-7-59, Cl. 200-61.56.
- Timoney, Robert E. Baby stair trainer. 2,871,914, 2-3-59, Cl. 155-22.
- Timothy, Patrick H., 1/4 to Southern Natural Gas Co., and 1/4 to Brown & Root, Inc. Pipe laying apparatus and method. 2,910,835, 11-3-59, Cl. 61-72.
- Timperman, Ernest J., to The Baldwin Piano Co. Audio modulator. 2,916,706, 12-8-59, Cl. 332-68.
- Timson, George F.: See—  
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- Tinari, Donald F.: See—  
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- Tinch, Robert J.: See—  
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- Tingas, Arthur S., to Celanese Corp. of America. Plying and twisting of yarns. 2,882,675, 4-21-59, Cl. 57-75.
- Tingley, Loyal H., Jr. Clothes treating liquid-dispenser for automatic washing machines. 2,868,006, 1-13-59, Cl. 68-207.
- Tingley, Loyal H., Jr. Clothes treating material dispenser for automatic washers of the tumbler type. 2,912,842, 11-17-59, Cl. 68-24.
- Tinius Olsen Testing Machine Co.: See—  
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- Tinker and Rasor: See—  
Rasor, John P. 2,885,638.

- Tinker, Townsend, to American Radiator & Standard Sanitary Corp. Acoustical silencer. 2,872,998, 2-10-59, Cl. 181-53.
- Tinker, Townsend, to American Radiator & Standard Sanitary Corp. High pressure closure. 2,888,249, 5-26-59, Cl. 257-221.
- Tinker, Townsend, to American Radiator & Standard Sanitary Corp. High pressure closure. 2,888,250, 5-26-59, Cl. 257-221.
- Tinker, Townsend, to American Radiator & Sanitary Corp. Combustion apparatus and temperature limiting means therefor. 2,906,516, 9-29-59, Cl. 263-20.
- Tinker, Townsend, to American Radiator & Standard Sanitary Corp. Cupola door. 2,910,022, 10-27-59, Cl. 110-176.
- Tinnerman, George A.: See—  
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- Tinnerman, George A. Assembly retainers. 2,897,465, 7-28-59, Cl. 336-210.
- Tinnerman, George A. Threadless nut having a plurality of teeth for accommodating studs of various diameters. 2,913,950, 11-24-59, Cl. 85-35.
- Tinnerman Products, Inc.: See—  
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Flora, Laurence H. 2,875,805.  
Flora, Laurence H. 2,883,011.  
Flora, Laurence H. 2,893,458.  
Flora, Laurence H. 2,904,820.  
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- Tino, Richard V.: See—  
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- Tinsley, John C. Two-point level. 2,904,892, 9-22-59, Cl. 33-209.
- Tinsley, Samuel W., to Union Carbide Corp. Preparation of para, beta-dinitrostyrene. 2,884,465, 4-28-59, Cl. 260-645.
- Tinsley, Samuel W., to Union Carbide Corp. Styrene derivatives and process for preparing same. 2,898,381, 8-4-59, Cl. 260-646.
- Tinsman, Jack R., to W. J. Speckman, and C. J. Wilhelm. Fluid operated reciprocating rack means for unidirectionally rotating a threading tool. 2,880,430, 4-7-59, Cl. 10-89.
- Tintinger, Emmett V., 20% to O. R. Clawson. Valve seat stone dresser. 2,894,504, 7-14-59, Cl. 125-11.
- Tiptotsch, Donald G., to Beckman Instruments, Inc. Ion collector for mass spectrometry. 2,911,532, 11-3-59, Cl. 250-41.9.
- Tipper, Maynard J. G., to Meat Packers Equipment Co. Sawdust burning pot for smoke generators. 2,876,762, 3-10-59, Cl. 126-59.5.
- Tipper, Maynard J. G., to Tipper Tie, Inc. Casing closure and closing apparatus. 2,879,512, 3-31-59, Cl. 1-187.
- Tipper, Maynard J. G., to Tipper Tie Products of N.Y., Inc. Apparatus for fastening casings with staple-like fasteners. 2,880,419, 4-7-59, Cl. 1-3.
- Tipper, Maynard J. G. Cycle control for casing closure. 2,901,068, 8-25-59, Cl. 192-25.
- Tipper Tie, Inc.: See—  
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Tipper, Maynard J. G. 2,880,419.
- Tippet, Philip V., to Farrel-Birmingham Co., Inc. Cane mills. 2,869,452, 1-20-59, Cl. 100-165.
- Tippet, Oscar W.: See—  
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- Tippetts-Abbett-McCarthy-Stratton: See—  
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- Tippmann, Gerhard: See—  
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- Tipsord, Clyde E., and W. F. Turner, to Bodendieck Tool Co. Hot line guards. 2,871,282, 1-27-59, Cl. 174-5.
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- Tipton, James E.: See—  
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- Tip-Top Products Co.: See—  
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- Tirico, Arthur L.: See—  
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- Tirrell, Winston I.: See—  
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- Tiscornia, James W.: See—  
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- Tisdale, Thomas B.: See—  
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- Tisdall, Garnet H.: See—  
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- Tishrock, Harold H.: See—  
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- Tisnail, George F.: See—  
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- Tisserant, Henry R. Sheet metal panel drill. 2,897,696, 8-4-59, Cl. 77-67.
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- Titanium Metals Corp. of America: See—  
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- Titanium Zirconium Co., Inc.: See—  
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- Titchenal, Oliver R., to St. Regis Paper Co. Valve bag packing apparatus. 2,887,292, 5-19-59, Cl. 249-63.
- Titcomb, Albert S. Segmental bonded abrasive bodies. 2,883,807, 4-28-59, Cl. 51-209.
- Titeca, Louis K. Ice core drill. 2,880,968, 4-7-59, Cl. 255-69.
- Titsworth, Harvey R.: See—  
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- Tittle, John C., Jr.: See—  
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- Titus, Charles H., to General Electric Co. Electromagnetic device. 2,818,547, 12-22-59, Cl. 200-87.
- Titus, Elwood O.: See—  
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- Titzer, Thomas L. Grass catcher for rotary mowers. 2,903,837, 9-15-59, Cl. 56-202.
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- Tjepkema, Jacobus J.: See—  
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- Tjosem, Willard W., to Lockheed Aircraft Corp. Rocket launcher. 2,900,874, 8-25-59, Cl. 89-1.7.
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Tkachyk, Walter M., and R. Short hitch steering assembly. 2,869,895, 1-20-59, Cl. 250-411.
- Tlaker, Erich: See—  
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- Tobe Deutschmann Corp.: See—  
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- Tobeler, Paul E.: See—  
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- Tober, Lawrence C.: See—  
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- Tobey, Frederic S., 1/4 to W. H. Brady, Jr. Control system for feeding mechanism. 2,877,846, 3-17-59, Cl. 164-49.
- Tobey, Frederic S. Mechanism and method for delivering thin flat elements singly from a stack of the same. 2,887,316, 5-19-59, Cl. 271-36.
- Tobey, Leon H., to Bloomer Bros. Co. Device for opening carton closure flaps. 2,871,641, 2-3-59, Cl. 53-382.
- Tobey, Raymond E.: See—  
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- Tobias, Arthur R., to The Garlock Packing Co. Seal. 2,882,081, 4-14-59, Cl. 288-2.
- Tobias, Jordan. Automatic hydraulic transmission. 2,887,960, 5-26-59, Cl. 103-120.
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- Tobin, Frank J. Laminated tile. 2,871,152, 1-27-59, Cl. 154-43.
- Tobin, Hugh H., Jr.: See—  
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- Tobin, Kenneth J., to Evans Products Co. Freight loading apparatus. 2,873,695, 2-17-59, Cl. 105-369.
- Tobis, Robert A., and W. D. Greenlaw, to Crosby Valve & Gage Co. Relief valves. 2,880,751, 4-7-59, Cl. 137-478.
- Toby, Max E., to Package Enterprises, Inc. Apparatus for receiving, conveying, weighing and bagging articles. 2,887,837, 5-26-59, Cl. 53-258.



- Tocchetto, Virgil D. Twin latch mechanism. 2,905,493, 9-22-59, Cl. 292-37.
- Tocchetto, Virgil D. Door bolt. 2,905,494, 9-22-59, Cl. 292-182.
- Tocci, Louis G. Dry material mixing machine. 2,868,519, 1-13-59, Cl. 259-57.
- Toce, Charles A., and R. F. Broussard, to Electro-Acid Corp. Electric storage battery. 2,902,532, 9-1-59, Cl. 136-171.
- Tocher, Frank L.: See—  
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- Tocher, Frank L., to M. H. Treadwell Co., Inc. Ingot-handling mechanism. 2,919,011, 12-29-59, Cl. 198-33.
- Tochon, Rene. Rotatable vehicle headlight assembly. 2,898,450, 8-4-59, Cl. 240-61.4.
- Tock, Victor K.: See—  
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- Tockman, Albert: See—  
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- Toczylowski, Henryk S., to Beaconsing Optical and Precision Materials Co. Ltd. Apparatus for adjusting the reticule of a range-finding mechanism. 2,887,774, 5-26-59, Cl. 33-46.
- Tod, Allan H., to Acme Visible Records, Inc. Record index means. 2,882,026, 4-21-59, Cl. 40-20.
- Tod, Allan H., and W. W. Gray, to Acme Visible Records, Inc. Limited access remote controllable visible record equipment. 2,883,250, 4-21-59, Cl. 312-19.
- Tod, Allan H., and W. W. Gray, to Acme Visible Records, Inc. Record card transfer device. 2,900,985, 8-25-59, Cl. 129-16.
- Todd, Alexander W., and H. P. Kwapien, to Van Norman Industries, Inc. Work feeding mechanism for a centerless grinder. 2,911,763, 11-10-59, Cl. 51-103.
- Todd, Alva C., to International Telephone and Telegraph Corp. Band-pass filters. 2,892,163, 6-23-59, Cl. 333-73.
- Todd, Burt K., to The Jeannette Glass Co. Container construction. 2,918,188, 12-22-59, Cl. 215-99.5.
- Todd, C.: See—  
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- Todd, Charles E.: See—  
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- Todd, Charlie L. Fishing device. 2,901,855, 9-1-59, Cl. 43-17.
- Todd, Charles P., 1/2 to H. J. Bell. Truck loading and unloading device. 2,910,203, 10-27-59, Cl. 214-672.
- Todd, David B., to Shell Development Co. Reducing entrainment from fluidized beds. 2,874,480, 2-24-59, Cl. 34-10.
- Todd, Edwin T., to General Motors Corp. Amphibious vehicle. 2,908,241, 10-13-59, Cl. 115-1.
- Todd, Eric E. Process of concentrating pimiento peppers. 2,897,085, 7-28-59, Cl. 99-103.
- Todd, Eric E. Method and apparatus for solvent extraction of oleoresin from organic concentrates. 2,897,185, 7-28-59, Cl. 260-109.
- Todd, Everett W., to Massey-Ferguson Inc. Implement gauging means. 2,915,130, 12-1-59, Cl. 172-239.
- Todd, Harold E., to General Motors Corp. Reversing switching circuit for automatic headlight. 2,894,172, 7-7-59, Cl. 315-83.
- Todd, Harold E., S. Meyer, R. A. Galtner, F. H. Meek, and G. E. Wanttaja, to General Motors Corp. Headlamp pre-aligning apparatus. 2,880,557, 4-7-59, Cl. 51-134.
- Todd, Henry, to United States Steel Corp. Sample holder and method for spectrographic analysis. 2,884,552, 4-28-59, Cl. 313-146.
- Todd, Hoyt H., to Western Carbide Corp. Submerged electric arc welding process. 2,868,949, 1-13-59, Cl. 219-73.
- Todd, Hoyt H., to Western Carbide Corp. Process for the manufacture of metallic carbides. 2,886,454, 5-12-59, Cl. 106-43.
- Todd, Hoyt H., to Western Carbide Corp. Apparatus for dispensing a powder coating to welding wire. 2,886,695, 5-12-59, Cl. 219-130.
- Todd, John, Jr., and R. P. Rardain. Vacuum apparatus for picking up particles of clipped hair. 2,908,933, 10-20-59, Cl. 15-414.
- Todd, John M., to The Key-Tag Checking System Co. Collar forming machine. 2,886,221, 5-12-59, Cl. 223-52.1.
- Todd, William. Radio transmission system. 2,910,683, 10-27-59, Cl. 340-345.
- Todd, William O. Protective device for vehicle electric equipment. 2,913,590, 11-17-59, Cl. 307-10.
- Todding, Inc.: See—  
Furman, Louis J., and Krasnow. 2,908,205.
- Toderick, Samuel L., to John Deere Plow Co. (Ltd.). Stop mechanism for power lift. 2,871,962, 2-3-59, Cl. 172-465.
- Toderick, Samuel L., to John Deere Plow Co. (Ltd.). Counter drive. 2,888,833, 6-2-59, Cl. 74-434.
- Todoroff, Alexander N., to Western Electric Co., Inc. Control system for fabricating and processing machines. 2,883,514, 4-21-59, Cl. 219-79.
- Todt, William C., to Gulf Oil Corp. Well testing apparatus. 2,905,248, 9-22-59, Cl. 166-142.
- Toebe, George F. Arc current controlling apparatus for welders' helmets. 2,904,669, 9-15-59, Cl. 219-147.
- Toedtmann, John A., and R. W. Dodson, Jr., to Jasper Blackburn Corp. Power line take off clamp. 2,915,733, 12-1-59, Cl. 339-109.
- Toennies, Owe M., to The Grove Research and Development Co. Machine for folding and sealing packages. 2,884,750, 5-5-59, Cl. 53-196.
- Toensmeier, Patrick A., to The New Haven Board & Carton Co. Can carrier. 2,874,833, 2-24-59, Cl. 206-65.
- Toensmeier, Patrick A., to The New Haven Board & Carton Co. Recloseable cartons. 2,886,234, 5-12-59, Cl. 229-44.
- Toensmeier, Patrick A., to The New Haven Board & Carton Co. Carrier cartons. 2,893,593, 7-7-59, Cl. 220-115.
- Toepfer, Walter J., and J. R. Prendergast, to Owens-Illinois Glass Co. Plunger removal chuck for insulator press. 2,909,004, 10-20-59, Cl. 49-43.
- Toeppen, Thurston H., to International Business Machines Corp. Equal key trip lever. 2,889,024, 6-2-59, Cl. 197-17.
- Toeppen, Thurston H., to International Business Machines Corp. Tabulating device. 2,902,137, 9-1-59, Cl. 197-177.
- Toffin, Nicholas. Swathing machine. 2,906,078, 9-29-59, Cl. 56-23.
- Toffolo, Dominic S. Biconical refractor. 2,881,654, 4-14-59, Cl. 88-1.
- Toffolo, Dominic S. Conical refractor. 2,882,784, 4-21-59, Cl. 88-1.
- Tofield, Ronnie. Portable electric hair dryer. 2,900,739, 8-25-59, Cl. 34-99.
- Toft, Andrew M., to National Can Corp. Dispensing can having a resilient spout. 2,867,361, 1-6-59, Cl. 222-574.
- Toggenburger, John, to Underwood Corp. Stepwise carriage positioning mechanism and related features. 2,872,015, 2-3-59, Cl. 197-91.
- Toggenburger, John, to Underwood Corp. Device to locate a typewriter carriage at multi-incremental feed stations. 2,885,052, 5-5-59, Cl. 197-91.
- Togias, James, to General Electric Co. Method of making a luminescent screen. 2,914,420, 11-24-59, Cl. 117-33.5.
- Tognola, Tullio, to Bendix Aviation Corp. Electrical apparatus. 2,870,376, 1-20-59, Cl. 315-59.
- Togo, Tetsuro: See—  
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- Tokeda Pharmaceutical Industries, Ltd.: See—  
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- Markoff, Nicholas. 2,874,874.
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- Scheurer, Otto R. 2,900,111.
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- Tsiguloff, George N. 2,898,926.
- Tye, Joseph F. 2,884,964.
- Wright, George W. 2,897,763.
- Wright, George W. 2,901,000.
- Wright, George W., and Kerr. 2,910,080.
- Tokheim Oil Tank and Pump Co.: See—  
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- Kuriyagawa, Mamoru, and Kumada. 2,908,698.
- Uehara, Yasuo, Kobuke, and Tomishima. 2,882,238.
- Toland, Gayle E. Well torpedo firing heads. 2,885,959, 5-12-59, Cl. 102-86.2.
- Toland, Wayne G., to International Harvester Co. Replaceable cultivator point. 2,895,559, 7-21-59, Cl. 172-702.
- Toland, Wayne G., and D. A. Murray, to International Harvester Co. Plow beam trip for two-way plow. 2,913,059, 11-17-59, Cl. 172-224.
- Toland, William G., to California Research Corp. Production of trimelic acid. 2,876,257, 3-3-59, Cl. 260-524.
- Toland, William G., to California Research Corp. Oxidation process with sulfur and water. 2,903,480, 9-8-59, Cl. 260-523.
- Toland, William G., and C. D. Heaton, to California Research Corp. Preparation of amino benzoic acids. 2,878,281, 3-17-59, Cl. 260-518.
- Toland, William G., Jr.: See—  
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- Toland, William G., Jr., to California Research Corp. Process for producing low molecular weight propylene polymers. 2,870,217, 1-20-59, Cl. 260-614.
- Toland, William G., Jr., to California Research Corp. Oxidation process employing sulfur dioxide. 2,900,412, 8-18-59, Cl. 260-524.
- Tole, Arthur F.: See—  
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- Kramer, Franklin, Rosenthal, and Tole. 2,886,447.
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- Rosenthal, Harold, Kramer, Stelgmann, and Tole. 2,886,443.
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- Bell, Robert E., and Simonds. 2,889,546.
- Borden, Joseph H. 2,873,819.
- Borden, Joseph H. 2,905,463.
- Borden, Joseph H. 2,914,188.
- Borden, Joseph H. 2,918,091.
- Borden, Joseph H., and Burgy. 2,875,853.
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- Bradley, Robert O. 2,901,235.
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- Brown, James D. 2,869,595.
- Golding, Frank E. 2,918,270.
- Marshall, Charles O. 2,878,846.
- Maurice, Clayton H., Jr. 2,895,415.
- Moring, Walter G., Jr., and Gray. 2,895,337.
- Reiser, George C., and Shuptrine. 2,917,301.
- Schick, Robert L., and Robinson. 2,918,000.
- Spademan, Charles F. 2,919,123.
- Williams, Lawrence S. Re. 24,686.
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- Toledo-Werk-Fabrik automatischer Waagen und Prüfmaschinen Dipl. Ing. Th. Prumm & Ed. Leopold: See—  
Dannehl, Kurt H., and Houwelling. 2,883,177.
- Toler, Otis R. Dispensing and display rack for colloid merchandise. 2,895,691, 7-21-59, Cl. 242-85.
- Toles, Burton. Packaging apparatus. 2,907,153, 10-6-59, Cl. 53-55.
- Tolf, Marvin L., to Raytheon Mfg. Co. Recording means. 2,897,037, 7-28-59, Cl. 346-21.
- Tollin, Ernest D.: See—  
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- Tollin, Ernest D., and S. R. Kline, to Phillips Petroleum Co. Interface level control. 2,882,920, 4-21-59, Cl. 137-172.
- Tolkmath, Henry: See—  
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- Burgert, Bill E., and Tolkmath. 2,870,190.
- Tolkmath, Henry, to The Dow Chemical Co. Method for the manufacture of o-aryl phosphorodichloridothioates. 2,872,473, 2-3-59, Cl. 260-461.
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- Tolkmath, Henry, and E. C. Britton, to The Dow Chemical Co. O-aryl O-methyl phosphoramidothioates. 2,908,706, 10-13-59, Cl. 260-461.
- Tollar, James E.: See—  
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- Tolle, Paul A. Removably mounted fishing line sinkers. 2,875,551, 3-3-59, Cl. 43-44.95.
- Tollefsen, Lief W. Portable scaffolding. 2,881,029, 4-7-59, Cl. 304-18.
- Tollefsen, Eric L.: See—  
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- Tollefsen, Robert D.: See—  
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- Tollefsen, Robert D., to Collins Radio Co. Variable inductor. 2,880,400, 3-31-59, Cl. 336-20.
- Tollefsen, Robert D., and J. R. Wilkinson, to United States of America, Navy. Multi-pulse synchronizer. 2,892,943, 6-30-59, Cl. 250-27.
- Tollefsrud, Warren H.: See—  
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- Tolley, Willis B., to United States of America, Atomic Energy Commission. Production of uranium-calcium fluoride. 2,880,059, 3-31-59, Cl. 23-14.5.
- Tolley, Willis B., and R. C. Smith, to United States of America, Atomic Energy Commission. Method of producing plutonium tetrafluoride. 2,917,360, 12-15-59, Cl. 23-14.5.
- Tolman, Edgar B., to United Conveyor Corp. Apparatus for and method of handling molten furnace ash. 2,911,671, 11-10-59, Cl. 18-2.4.
- Tolman, Emerson: See—  
De Ford, Perl E. 2,869,398.
- Tolman, John A., to Andean Corp. Horizontal sliding window. 2,870,882, 1-27-59, Cl. 189-75.
- Tolman, Warren R. Collapsible stand for golf bags. 2,902,238, 9-1-59, Cl. 248-96.
- Tolomeo, Albert J., L. J. Di Battista, and R. Smith, to United Aircraft Corp. Blade positioner. 2,880,810, 4-7-59, Cl. 170-160.37.
- Tolson, William A., to Radio Corp. of America. Servo system. 2,915,247, 12-1-59, Cl. 235-183.
- Tolson, William A., B. A. Trevor, and C. J. Young, to Radio Corp. of America. System for translating coded message to printed record. 2,878,313, 3-17-59, Cl. 178-30.
- Tom, Ray E.: See—  
Landrigan, Richard B., Fauser, and Tom. 2,872,338.
- Tom, Theodore B., and A. E. Brehm, to Standard Oil Co. Upper cylinder lubricant and tune-up solvent composition. 2,914,479, 11-24-59, Cl. 252-51.5.
- Tom, Wade: See—  
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- Toma, John W., to General Electric Co. Unbalance sensing arrangement for machines having a centrifugal liquid extraction step. 2,917,175, 12-15-59, Cl. 210-144.
- Tomado N. V.: See—  
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- Tomasovich, Joseph J. Tractor ski. 2,883,204, 4-21-59, Cl. 280-13.
- Tomchak, Joseph A. Tire defroster, cleaner and dryer. 2,867,914, 1-13-59, Cl. 34-104.
- Tomcufcik, Andrew S.: See—  
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- Tomerlin, William C., Jr.: See—  
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- Tomil, Ryo. Garment and process of cutting and sewing clothes. 2,886,821, 5-19-59, Cl. 2-93.
- Tomik, George A., to International Harvester Co. Wheels for vehicles. 2,877,055, 3-10-59, Cl. 301-9.
- Tomik, George A. Dispenser. 2,899,915, 8-16-59, Cl. 107-8.
- Tomine, George T., to Massey-Ferguson, Inc. Two-way plow. 2,891,459, 6-23-59, Cl. 97-26.
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- Tomiyasu, Kiyo, to Sperry Rand Corp. Microwave spectrometer absorption cells. 2,867,781, 1-6-59, Cl. 333-73.
- Tomiyasu, Kiyo, to Sperry Rand Corp. Electric field probe. 2,873,430, 2-10-59, Cl. 333-35.
- Tomiyasu, Kiyo, to Sperry Rand Corp. Microwave frequency meter. 2,901,698, 8-25-59, Cl. 324-78.
- Tomiyasu, Kiyo, to Sperry Rand Corp. Adjustable attenuators for microwave radio energy. 2,907,961, 10-6-59, Cl. 333-81.
- Tomkin, Sam. Adapter assembly for bottle filling device. 2,902,061, 9-1-59, Cl. 141-55.
- Tomkins, John A. Calculator keyboard simulator for training purposes. 2,892,266, 6-30-59, Cl. 35-5.
- Tomko, Donald R.: See—  
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- Sacchini, Columbus R., and Tomko. 2,881,881.
- Tomko, Donald R., to Curtiss-Wright Corp. Coil clutch mechanisms. 2,894,403, 7-14-59, Cl. 74-164.
- Tomkow, Edward, to Ellstrom, Inc. Gage for checking internal and external dimensions. 2,876,550, 3-10-59, Cl. 33-147.
- Tomkow, Edward, to Dearborn Gage Co. Air gage head. 2,876,553, 3-10-59, Cl. 33-109.
- Tomkowiak, Sylvester A.: See—  
Kocher, Erich J., and Tomkowiak. 2,897,675.
- Tomlan, John G.: See—  
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- Tomlin, Andrew, M. W. Harman, R. O. Zerbe, and R. L. Sibley, to Monsanto Chemical Co. Vulcanizing furnace black stocks with dithio secondary amines. 2,892,905, 6-30-59, Cl. 260-41.5.
- Tomlin, Edward A., to Gestetner Ltd. Duplicating machines. 2,878,750, 3-24-59, Cl. 101-116.
- Tomlin, Frederick M. Guards and locators for electrical outlet wall boxes. 2,894,656, 7-14-59, Cl. 220-3.4.
- Tomlin, Robert: See—  
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- Tomlinson, Henry R. Remote-operated fuse. 2,896,050, 7-21-59, Cl. 200-113.
- Tomlinson, William F., to The Stepan Chemical Co. Detergent composition. 2,870,091, 1-20-59, Cl. 252-137.
- Tomlinson, William H.: See—  
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- Tomlinson, William K. Ice machine. 2,872,791, 2-10-59, Cl. 62-347.
- Tommelstad, Einar: See—  
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- Tommelstad, Einar, to Elektrokemisk A/S. Electrode casing for self-baking electrodes. 2,876,269, 3-3-59, Cl. 13-18.
- Tommervik, Traverse G. Weighing scale. 2,913,238, 11-17-59, Cl. 265-68.
- Tomonari, Tadao, N. Ishimoto, T. Togo, and T. Izumi, to Osaka Titanium Selzo Kabushiki Kaisha. Methods and apparatus for the electrolytic-refining of titanium metal or zirconium metal. 2,905,613, 9-22-59, Cl. 204-216.
- Tompkins, Albert H.: See—  
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- Tompkins, Edward R., to United States of America, Atomic Energy Commission. Separation of barium values from uranyl nitrate solutions. 2,875,024, 2-24-59, Cl. 23-14.5.
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- Tompkins, Frank A.: See—  
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- Tompkins, George R. Washing apparatus. 2,896,857, 7-28-59, Cl. 239-185.
- Tompkins, Howard E., to Burroughs Corp. Transistor actuated device. 2,896,130, 7-21-59, Cl. 317-148.5.
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- Toma, Robert S., to Bell Telephone Laboratories, Inc. Terminal insulator. 2,916,719, 12-8-59, Cl. 339-60.
- Tondat, Julius J., and O. H. Goldman, to General Dynamics Corp. Multiple fuse. 2,874,248, 2-17-59, Cl. 200-125.
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- Gage, Fred W., and Tondreau. 2,870,672.
- Tondreau, Albert W., to Warner Bros. Pictures, Inc. Stereoscopic camera system. 2,868,065, 1-13-59, Cl. 88-16.6.
- Tondreau, Albert W., to J. B. Rudy. Angle of attack and yaw transmitter. 2,888,927, 6-2-59, Cl. 73-180.
- Tone, John W., and L. I. Freedman. Manicuring device. 2,880,737, 4-7-59, Cl. 132-73.6.
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- Toner, James W., to International Business Machines Corp. Timed pulse delay circuit. 2,910,583, 10-27-59, Cl. 250-27.
- Tongret, Stewart R. Adjustable housing for radiation devices. 2,890,351, 6-9-59, Cl. 250-239.
- Tongue, Ben H. Transmission line tap-off. 2,914,737, 11-24-59, Cl. 333-8.
- Toni, Pierre: See—
- Ladeuze, Maurice J. B., and Toni. 2,881,101.
- Tonka Toys, Inc.: See—
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- Tonkin, Josephine. Crib rocker. 2,896,225, 7-28-59, Cl. 5-109.
- Tonkin, Kenneth J., to A. B. Dick Co. Corner separator mechanism for duplicators. 2,912,241, 11-10-59, Cl. 271-22.
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- Tonning, Bernard J., and C. W. Wexstaff, to American Seating Co. Baptismal font. 2,886,393, 5-12-59, Cl. 312-228.
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- Toohy, Clarence P. Wheel attachment for sleds. 2,885,214, 5-6-59, Cl. 280-8.
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- Toone, Ralph N. 2,869,343.
- Toone, Ralph N., to B. Toone (Nottingham) Ltd. Knitting machine. 2,869,343, 1-20-59, Cl. 66-134.
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- En Dean, Howard J., Jones, and Topanelian. 2,884,624.
- Topel, Russell. Attachment for an agricultural implement. 2,876,586, 3-10-59, Cl. 47-1.3.
- Topf, Sam B., to Concord Supplies and Equipment Corp. Grain storage bag. 2,895,400, 7-21-59, Cl. 98-55.
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- Kehler, Russell D., and Topfer. 2,906,958.
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- Topfer, Alvin R., to Philco Corp. Jet-electrolytic method of configuring bodies. 2,913,383, 11-17-59, Cl. 204-143.
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- Taylor, Jack A., and Topol. 2,883,345.
- Topol, George J., L. B. Baranowski, and I. Bartik, to Bowser, Inc. Process and apparatus for de-aerating oleaginous materials. 2,870,859, 1-27-59, Cl. 183-2.5.
- Topp, Hereward J. B. Apparatus for use in classifying or both classifying and drying loose material. 2,915,181, 12-1-59, Cl. 209-279.
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- Topping, Cuthbert, to Shell Development Co. Splitting streams of particulate solids. 2,904,228, 9-15-59, Cl. 222-330.
- Torbett, Donald V., and P. R. Shelley. Water ski tow. 2,918,280, 12-22-59, Cl. 272-32.
- Torbin, Milton A. Floor racks for meat trucks. 2,869,920, 1-20-59, Cl. 296-24.
- Torchoux, Emile: See—
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- Torelli, Vesperto: See—
- Anatoli, Jesus, and Torelli. 2,917,541.
- Torgersen, George P.: See—
- Mooney, John D., and Torgersen. 2,885,909.
- Torgerson, John E. Safety water supply shut-off device. 2,877,784, 3-17-59, Cl. 137-67.
- Torino, Henry, and J. Chilleml. Dispensing heating cabinet. 2,908,791, 10-13-59, Cl. 219-19.
- Torit Mfg. Co.: See—
- Poch, Alfred B. 2,905,266.
- Torke, Erich, and J. König, to Phrix-Werke A. G. Process of crease-proofing cellulose fibers and fabrics by applying urea-formaldehyde-glyoxal reaction products. 2,876,062, 3-3-59, Cl. 8-116.2.
- Tormag Transmissions Ltd.: See—
- Zozulin, Igor V. 2,873,394.
- Torn, Lawrence: See—
- Brockman, Milton H., and Torn. 2,911,526.
- Tornabene, Frank S. Toy pistols. 2,869,873, 1-20-59, Cl. 273-1.
- Tornado A.G.: See—
- Müller, Otto. 2,880,446.
- Tornado Ramet G.m.b.H. & Co.: See—
- Skumawitz, Max. 2,875,605.
- Skumawitz, Max. 2,890,454.
- Tornberg, William. Tube locking device. 2,907,533, 10-6-59, Cl. 242-72.
- Tornajo, Sven A. E., to George B. Graff Co. File tab or signal. 2,881,766, 4-14-59, Cl. 129-16.8.
- Toro Mfg. Corp.: See—
- Benson, Donald O. 2,870,616.
- Horne, Herbert F., Jr. 2,877,617.
- Toro Mfg. Corp. of Minnesota: See—
- Benson, Don O. 2,886,117.
- Benson, Don O., Kroll, and Chou. 2,877,619.
- Benson, Donald O. 2,869,310.
- Ertsgaard, Byron L., and Sonmore. 2,904,287.
- Toronto Type Foundry: See—
- Lytle, James C. 2,916,801.
- Torrance, Frank W. Demountable supporting structure. 2,879,552, 3-31-59, Cl. 20-1.126.
- Torre, Alton J.: See—
- Sass, Earl J., and Torre. 2,873,309.
- Torre Safety Devices Co.: See—
- Fuschi, Antonio T. 2,917,322.
- Torrea, Jorge U., and J. C. Adam, to E. B. Wiggins Oil Tool Co., Inc. Coupling with automatically actuated cam sleeve. 2,888,278, 6-26-59, Cl. 285-313.
- Torrey, Robert D., to Sperry Rand Corp. Binary counter. 2,876,439, 3-3-59, Cl. 340-174.
- Torrey, Robert D., to Sperry Rand Corp. Transistor-core logical elements. 2,913,598, 11-17-59, Cl. 307-88.5.
- Torrey, Robert D., and T. H. Bonn, to Sperry Rand Corp. Magnetic amplifier. 2,901,636, 8-25-59, Cl. 307-88.
- Torrible, Alfred W.: See—
- Apa, Frank E., and Torrible. 2,881,377.
- Torricelli, Decio. Stairway. 2,885,883, 5-12-59, Cl. 72-96.
- Torrie, Juan A. Clothesline. 2,869,730, 1-20-59, Cl. 211-124.
- Torrington Mfg. Co., The: See—
- Costello, Alfred H., and E. M. 2,902,079.
- Cowles, John H., White, and Clark. 2,897,581.
- Kelson, John J. 2,873,507.
- Marola, Americo. 2,897,022.
- White, Robert H., Cowles, and Clark. 2,894,791.
- Torriss, Alfred F.: See—
- Hilton, Harry H., and Torriss. 2,871,426.
- Torsion Balance Co., The: See—
- Sklar, David F. 2,892,344.
- Sklar, David F. 2,892,345.
- Torsson, Matthew T.: See—
- Lauler, Louis J., and Torsson. 2,882,035.
- Torstenson, John I. Machine for opening split connector rings. 2,878,557, 3-24-59, Cl. 29-235.
- Torstensson, Karl L., and O. M. Trawn, to Telefonaktiebolaget L. M. Ericsson. Reflex klystron of the double-disc type. 2,911,559, 11-3-59, Cl. 315-5.19.
- Tortolani, Anthony E.: See—
- Zanni, Guido R., Tortolani, and Jamieson. 2,909,030.
- Toruk, Nicholas: See—
- Meyer, Barthold F., and Toruk. 2,916,566.
- Toech, Melvin R. Toilet tissue storage container. 2,881,941, 4-14-59, Cl. 220-18.
- Tosches, Anthony J.: See—
- Flamand, Maurice R., and Tosches. 2,888,966.
- Tosswill, Christopher H.: See—
- Crowther, Gerald O., and Tosswill. 2,900,551.
- Tosswill, Christopher H., to North American Phillips Co., Inc. Device comprising at least one glow discharge tube. 2,880,371, 3-31-59, Cl. 315-84.6.
- Tosswill, Christopher H., G. F. Weston, and T. E. Days, to North American Phillips Co., Inc. Cold cathode glow discharge counting and scaling tubes and circuit arrangements therefor. 2,878,419, 3-17-59, Cl. 315-84.6.
- Tostado, Javier A. Mechanism for sealing bags. 2,872,061, 2-3-59, Cl. 216-29.

- Tostmann, Johannes, to Demag-Elektrometallurgie G.m.b.H. Two-chamber induction melting furnace and method for operating same. 2,892,878, 6-30-59, Cl. 13-29.
- Tote-Cart Co.: See—
- Caution, Jack. 2,868,556.
- Caution, Jack. 2,890,058.
- Welter, George L., and Carpenter. 2,918,741.
- Toth, Anthony: See—
- Taylor, Allan J., and Toth. 2,901,201.
- Toth, Edward R., Jr.: See—
- Coleman, Robert H., and Toth. 2,913,118.
- Toth, Josef: See—
- Fodor, Gabor, Vincze, Toth, Janzso, and Lang. 2,905,687.
- Toth, Michael, to Allis-Chalmers Mfg. Co. Power steering mechanism. 2,872,993, 2-10-59, Cl. 180-79.2.
- Toth, Michael, to Allis-Chalmers Mfg. Co. Hydraulic steering system for jointed vehicles. 2,896,734, 7-28-59, Cl. 180-79.2.
- Toth, William E., and J. M. Hunt, to Link Aviation, Inc. Means for correcting potentiometer loading errors in analog computer circuits. 2,889,988, 6-9-59, Cl. 235-184.
- Totti, Andrew J. Cornice box fascia. 2,888,983, 6-2-59, Cl. 160-38.
- Totti, Andrew J. Window cornice box fascia. 2,894,571, 7-14-59, Cl. 160-38.
- Totti, Andrew J., to Honolulu Oil Corp. Fowl picker and method. 2,910,722, 11-3-59, Cl. 17-11.1.
- Totten, Gilbert V., and D. D. Graber, to Automatic Canteen Co. of America. Coffee making apparatus. 2,911,901, 11-10-59, Cl. 99-289.
- Totten, John A., to Industrial Vendors, Inc. Coffee brewing apparatus. 2,895,402, 7-21-59, Cl. 99-289.
- Totzek, Friedrich, to Koppers Co., Inc. Process for production of combustible gases. 2,898,204, 8-4-59, Cl. 48-203.
- Totzek, Friedrich, to Koppers Co., Inc. Suspension process for the production of CO and H<sub>2</sub> from a solid carbonaceous fuel, oxygen and steam. 2,905,544, 9-22-59, Cl. 48-206.
- Toubourg, Jens, to Tecumseh Products Co. Compressor with crankcase oil surge tank. 2,918,210, 12-22-59, Cl. 230-206.
- Touey, George P.: See—
- Kiefer, John E., and Touey. 2,904,050.
- Touey, George P., to Eastman Kodak Co. Fibrous cigarette filters. 2,881,769, 4-14-59, Cl. 131-208.
- Touey, George P., to Eastman Kodak Co. Fibrous tobacco smoke filters. 2,881,770, 4-14-59, Cl. 131-208.
- Touey, George P., to Eastman Kodak Co. Cigarette filters. 2,881,771, 4-14-59, Cl. 131-208.
- Touey, George P., to Eastman Kodak Co. Fibrous tobacco smoke filters. 2,904,280, 10-13-59, Cl. 131-208.
- Touey, George P., to Eastman Kodak Co. Fibrous tobacco smoke filter containing solid additive. 2,917,054, 12-15-59, Cl. 131-208.
- Touey, George P., J. E. Kiefer, and J. R. Caldwell, to Eastman Kodak Co. Tobacco smoke filters. 2,881,772, 4-14-59, Cl. 131-208.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Road marking apparatus. 2,866,992, 1-6-59, Cl. 15-131.05.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Method and article of manufacture for supporting rails. 2,867,384, 1-6-59, Cl. 238-283.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Building brick. 2,868,008, 1-13-59, Cl. 72-36.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Vibrator mixer. 2,875,989, 3-3-59, Cl. 259-72.
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- Toulmin, Harry A., Jr., to Union Carbide Corp. Method of freeze dehydration. 2,887,551, 5-26-59, Cl. 62-58.
- Toulmin, Harry A., Jr., to Union Carbide Corp. Method and apparatus for concentrating juices. 2,888,353, 5-26-59, Cl. 99-205.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Apparatus for controlling machines and processes. 2,888,570, 5-26-59, Cl. 250-71.
- Toulmin, Harry A., Jr., to Commonwealth Engineering Co. Catalyzed metal fuel. 2,890,108, 6-9-59, Cl. 52-5.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Low water loss cement slurries comprising carboxymethyl dextran and salts thereof. 2,902,378, 9-1-59, Cl. 106-92.
- Toulmin, Harry A., Jr., to Union Carbide Corp. Method for Co. of Ohio. Jet press. 2,905,080, 9-22-59, Cl. 100-264.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Polyethylene adherent to metal surface and method of making same. 2,910,354, 10-27-59, Cl. 117-132.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. Method of applying aerosol detergent fog. 2,910,391, 10-27-59, Cl. 134-25.
- Toulmin, Harry A., Jr., to The Commonwealth Engineering Co. of Ohio. High temperature hydraulic pump. 2,913,993, 11-24-59, Cl. 103-162.
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- Toulmin, Harry A., Jr., to Union Carbide Corp. Method of concentrating fruit juices. 2,916,386, 12-8-59, Cl. 99-205.
- Toulmin, Harry A., Jr., to Union Carbide Corp. Process of vacuum low temperature dehydration. 2,919,199, 12-29-59, Cl. 99-205.
- Toulon, Pierre M. G., to Westinghouse Electric Corp. Display systems. 2,875,380, 2-24-59, Cl. 313-169.
- Toulon, Pierre M. G. Television scanning system. 2,906,812, 9-29-59, Cl. 178-5.2.
- Toulon, Pierre M. G., to Moore and Hall. Television systems. 2,911,465, 11-3-59, Cl. 178-6.8.
- Toulon, Pierre M. G., to Westinghouse Electric Corp. Color television pickup system. 2,917,574, 12-15-59, Cl. 178-5.4.
- Toune, Edward P. Paint bucket holder. 2,912,205, 11-10-59, Cl. 248-210.
- Tour, Sam: See—
- Burgess, Louis. 2,869,990.
- Burgess, Louis. 2,897,057.
- Tour, Sam, to Metallizing Engineering Co. Inc. Spray-weld alloys of the boron-silicon-nickel type. 2,875,043, 2-24-59, Cl. 75-134.
- Tour, Sam. Agricultural sprayer. 2,889,084, 6-2-59, Cl. 222-334.
- Tour, Sam, to L. Burgess and himself; M. Burgess and E. B. Beller, executors of said L. Burgess, deceased. Process of winning elemental phosphorus. 2,907,637, 10-6-59, Cl. 23-223.
- Touranton, Emile, to International Standard Electric Corp. Coding circuit. 2,894,214, 7-7-59, Cl. 332-11.
- Tourison, Asher. Boring tool. 2,883,892, 4-28-59, Cl. 77-58.
- Tourniaire, Claude: See—
- Collardeau, Georges, and Tourniaire. 2,908,602.
- Toursbon, Simeon L., to Radio Corp. of America. Beam deflection control for cathode ray devices. 2,879,391, 3-24-59, Cl. 250-36.
- Toursbon, Simeon L., E. B. Smith, and G. E. Skorup, to Radio Corp. of America. Signal processing circuits. 2,867,751, 1-6-59, Cl. 315-30.
- Tousignant, William F.: See—
- Huyser, Earl S., and Tousignant. 2,876,260.
- Wallis, Wilhelm E., and Tousignant. 2,872,321.
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- Tousignant, William F., and H. Pledger, Jr., to The Dow Chemical Co. Method for the preparation of polyurethanes. 2,894,935, 7-14-59, Cl. 260-77.5.
- Tower Iron Works Inc.: See—
- Fain, Morton E., and Copley. 2,874,845.
- Tower, Robert D., to General Motors Corp. Fastening device. 2,885,041, 5-5-59, Cl. 189-88.
- Towers, Harold L. Metal stamps and holder therefor. 2,908,505, 10-13-59, Cl. 276-44.
- Towle, George. Diving board. 2,918,261, 12-22-59, Cl. 272-66.
- Towle, Jack L., and J. K. Long. Electroplating nickel. 2,881,120, 4-7-59, Cl. 204-49.
- Towler, Frank H.: See—
- Towler, Frank H. and J. M. 2,879,789.
- Towler, Frank H. and J. M. 2,882,931.
- Towler, John M. 2,882,766.
- Towler, John M. 2,904,074.
- Towler, John M. and F. H. 2,891,517.
- Towler, Frank H., deceased, and J. M.; F. H. Towler, administrator of said J. M. Towler, deceased. Hydraulic control valves. 2,879,789, 3-31-59, Cl. 137-456.
- Towler, Frank H., and J. M. Towler, deceased; F. M. Towler administrator of said J. M. Towler, to Electraulic Presses Ltd. Impulse actuated servo-control valve. 2,882,931, 4-21-59, Cl. 137-622.
- Towler, John M.: See—
- Towler, Frank H. and J. M. 2,879,789.
- Towler, Frank H. and J. M. 2,882,931.
- Towler, John M., deceased, by F. H. Towler, executor, to Electraulic Presses Ltd. Control mechanism for hydraulic presses. 2,882,766, 4-21-59, Cl. 78-42.
- Towler, John M., deceased; F. H. Towler, executor, to Electraulic Presses Ltd. Decompression valve. 2,904,074, 9-15-59, Cl. 137-630.15.
- Towler, John M., deceased (by F. H. Towler, executor), and F. H. Towler, to Electraulic Presses Limited. Hydraulic press control systems and pilot operated directional control valve therefor. 2,891,517, 6-23-59, Cl. 121-46.5.
- Towlsaver, Inc.: See—
- Layton, J. C., and Shaffer. 2,889,147.
- Stone, Claire E., and Layton. 2,908,450.
- Tucker, Council A., and Layton. 2,908,451.
- Towmotor Corp.: See—
- Cirillo, Lee. 2,918,186.
- Curtis, Everett C., and Crawford. 2,888,300.
- Shaffer, Walter M. 2,918,143.



- Town, Bernard W., to Schwartz Laboratories, Inc. Acylation of  $\alpha$ -monomino carboxylic acids. 2,867,654, 1-6-59, Cl. 260-518.
- Town, Clinton D. Boat and propeller mechanism. 2,918,892, 12-29-59, Cl. 115-67.
- Towne, Alfred E., to Ultrasonic Development, Inc. Ultrasonic apparatus. 2,916,265, 12-8-59, Cl. 259-1.
- Towne, Gene: See—  
Jianas, Alexander G., Dos Passos, Spanos, and Towne. 2,882,643.
- Townend, Gordon H.: See—  
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- Townend, Robert V.: See—  
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- Townes, Charles H. Production of electromagnetic energy. 2,879,439, 3-24-59, Cl. 315-5.
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- Townsend, Almon F.: See—  
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- Townsend, Daniel E., Jr.: See—  
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- Townsend, Don G.: See—  
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- Townsend Engineered Products Inc.: See—  
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- Sola, Samuel L., and Crocker. 2,875,010.
- Townsend Engineering Co.: See—  
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- Townsend, Ray T.: See—  
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- Townsend, Francis M., to L. S. Reid. Method of simultaneously removing hydrogen sulfide from gaseous mixtures and producing sulfur therefrom. 2,881,047, 4-7-59, Cl. 23-3.
- Townsend, George R.: See—  
Bonlin, Richard E., and Townsend. 2,889,420.
- Townsend, George R., to General Electric Co. Interlocking control mechanism. 2,889,421, 6-2-59, Cl. 200-50.
- Townsend, Harold J.: See—  
Grenley, Dallas G., and Townsend. 2,897,100.
- Townsend, Mark A., to Bell Telephone Laboratories, Inc. Telephone ringing system. 2,875,281, 2-24-59, Cl. 179-86.
- Townsend, Merlyn T. Milk straining device. 2,874,843, 2-24-59, Cl. 210-120.
- Townsend, Palmer W., to Air Reduction Co., Inc. Method of preparing 2,2,2-trifluoroethyl vinyl ether. 2,870,218, 1-20-59, Cl. 260-614.
- Townsend, Ralph: See—  
Womersley, John R., and Townsend. 2,898,042.
- Townsend, Ralph, to The British Tabulating Machine Co. Ltd. Multi-cathode tube counter circuits. 2,890,827, 6-16-59, Cl. 235-61.1.
- Townsend, Ralph, to The British Tabulating Machine Co. Ltd. Serial adder with radix correction. 2,890,831, 6-16-59, Cl. 235-170.
- Townsend, Ralph, and H. F. Ayres, to Laboratory For Electronics, Inc. Input/output equipment. 2,872,665, 2-3-59, Cl. 340-174.
- Townsend, Ralph, and J. J. Sharp, to International Computers and Tabulators Ltd. Electronic switching circuits employing multi-cathode gas-filled tubes. 2,898,513, 8-4-59, Cl. 315-84.6.
- Townsend, Ray F., and C. H. Rowlett. Fishing pole holder. 2,908,460, 10-13-59, Cl. 248-40.
- Townsend, Ray T., to Townsend Engineering Co. Internal combustion engine. 2,894,496, 7-14-59, Cl. 123-44.
- Townsend, Ray T., to Townsend Engineering Co. Feeding and slashing device for skinning machine. 2,912,027, 11-10-59, Cl. 146-130.
- Townsend, Raymond G., to United States of America, Atomic Energy Commission. Coating method. 2,901,408, 8-25-59, Cl. 204-38.
- Townsend, Raymond L. Strain relief for stranded cable connection. 2,911,616, 11-3-59, Cl. 339-223.
- Townsend, Richard L. Adjustable center bar for artist's easel. 2,912,203, 11-10-59, Cl. 243-195.
- Townsend, Robert C.: See—  
Kretzmer, Minor G., Jr., and Townsend. 2,911,364.
- Townshend, Henry H., Jr., to J. T. Henry Mfg. Co., Inc. Cable cutter. 2,870,538, 1-27-59, Cl. 30-254.
- Townshend, Stanley C.: See—  
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- Toy, Arthur D. F., R. S. Cooper, and T. P. Traise, to Victor Chemical Works. Method of flameproofing fibers, compositions used therein and the resulting products. 2,867,548, 1-6-59, Cl. 117-138.
- Toy, Arthur D. F., and R. S. Cooper, to Victor Chemical Works. Polymers and copolymers of dialkenyl beta-(carboxyalkyl) alkanephosphonates. 2,867,610, 1-6-59, Cl. 260-78.5.
- Toy, Arthur D. F., and G. A. McDonald, to Victor Chemical Works. Dikyl phosphoramidates. 2,878,255, 3-17-59, Cl. 260-461.
- Toy, Arthur D. F., and K. H. Rattenbury, to Victor Chemical Works. Copolymers of dialkenyl monochloromethanephosphonate. 2,918,449, 12-22-59, Cl. 260-45.4.
- Toy, Walter W.: See—  
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- McLaughlin, Paul J., and Toy. 2,874,066.
- Toy, Wing N., to Bell Telephone Laboratories, Inc. Linear voltage-to-frequency converter. 2,894,215, 7-7-59, Cl. 332-14.
- Toyoy Rayon Co., Ltd.: See—  
Maruyama, Taketo, Sakamoto, Tamura, Kawahara, and Okubo. 2,896,252.
- Mori, Shizuo, and Suzuki. 2,875,961.
- Toyoda, Eihiro, deceased; Hideko Toyoda, Hiroshige Toyoda, M. N. Toyoda, Y. K. Toyoda, Yoke Toyoda, Harumi Toyoda, Eike Toyoda, and Miko Toyoda, minors, by mother, Hideko Toyoda; to Kabushiki Kaisha Hakko Denki Seisakusho. Machine for cutting cycloid gears. 2,898,681, 8-11-59, Cl. 33-27.
- Toyoda, Eiko: See—  
Toyoda, Eihiro. 2,898,681.
- Toyoda, Harumi: See—  
Toyoda, Eihiro. 2,898,681.
- Toyoda, Eihiro: See—  
Toyoda, Hideko. 2,898,681.
- Toyoda, Hiroshige: See—  
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- Toyoda, Yoko: See—  
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- Toyoda, Eihiro: See—  
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- Tozier, Ted H. Stabilizing device for saw chains. 2,889,720, 6-9-59, Cl. 76-78.
- Tozier, Ted H. Combination gas and oil container. 2,889,954, 6-9-59, Cl. 220-23.4.
- Trablicy, William J. System for preheating and transporting viscous fuel and the like. 2,909,638, 10-20-59, Cl. 219-39.
- Tracerlab, Inc.: See—  
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- Peacock, Wendell C. 2,905,822.
- Pennock, John C. 2,870,341.
- Thomas, Alexander. 2,876,368.
- Thomas, Alexander. 2,900,535.
- Tracey, John E.: See—  
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- Trachet, Jacques J. Paraffinic anti-corrosive coatings in the form of a strip or tape. 2,882,184, 4-14-59, Cl. 117-122.
- Trachsel, Fritz. Telephone intercommunication system. 2,884,490, 4-28-59, Cl. 179-18.
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- Tractomotive Corp.: See—  
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- Codlin, James B. 2,886,194.
- Tracy Accessories, Inc.: See—  
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- Tracy, Glen M., to Glenton Industries, Inc. Thermal fuse. 2,875,298, 2-24-59, Cl. 200-142.
- Tracy, Herbert E., to Borg-Warner Corp. Pump priming arrangement. 2,897,764, 8-4-59, Cl. 103-113.
- Tracy, Neil D.: See—  
Thomas, William M., and Tracy. 2,915,940.
- Tracy, Ralph L.: See—  
Chodroff, Saul, Saldarini, and Tracy. 2,906,663.
- Tracy, Ward D., to Southwest Products Co. Means and techniques applicable to bearings and rod end bearings. 2,894,789, 7-14-59, Cl. 308-72.
- Tracy, Wyman C. End piece for ladies watch band. 2,884,672, 5-5-59, Cl. 24-73.
- Trademan, Leo, M. A. Malina, and L. P. Wilks, to Velsicol Chemical Corp. Insecticide formulations. 2,875,119, 2-24-59, Cl. 167-30.
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- Traflet, Robert: See—  
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- Traffic Safety Equipment Co.: See—  
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- Traffic Transport Engineering, Inc.: See—  
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- Stuart, Clarence C. 2,892,656.
- Trafik- & Vagmarken Aktiebolag: See—  
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- Tragge, Oliver H., 1/4 to A. Weisswasser, and 1/4 to I. Silverman. Bearing pocket boring tool. 2,891,429, 6-23-59, Cl. 77-65.
- Trailmobile Inc.: See—  
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- Trainer, James E., to The Firestone Tire & Rubber Co. Tubeless tires. 2,874,744, 2-24-59, Cl. 152-342.
- Trainer, Albert, to North American Phillips Co., Inc. Photo-electric cell. 2,876,142, 3-3-59, Cl. 117-211.
- Traise, Thornton P.: See—  
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- Tralli, Rocco. Auxiliary vehicle light. 2,878,462, 3-17-59, Cl. 340-107.
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- Eisenberg, Irwin W., Carlson, Love, Stadler, Costantino, Trammell, and Dibble. 2,916,699.
- Tramontini, Vernon N., to Stewart-Warner Corp. Thermo-static switch assembly. 2,891,127, 6-16-59, Cl. 200-138.
- Tramontini, Vernon N., to Stewart-Warner Corp. Baffled combustion heater. 2,917,030, 12-15-59, Cl. 122-149.
- Tramontini, Vernon N., and J. F. Wein, to Stewart-Warner Corp. Constant pressure liquid pump. 2,895,424, 7-21-59, Cl. 103-150.
- Trandel, George L., to Gerbing Mfg. Corp. Feather key. 2,905,490, 9-22-59, Cl. 287-52.
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- Trapp, Walter B., to The Dow Chemical Co. 2,2'-oxybis(P-phenylene(methylene)bis(2-thiopseudourea) compounds. 2,906,773, 9-29-59, Cl. 260-465.
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- Troeger, John: See—  
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- Troendly Illinois Corp.: See—  
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- Troendly, Ray E., to Troendly Illinois Corp. Advertising and display device. 2,880,533, 4-7-59, Cl. 46-10.
- Troester, Fred W., to Minnesota Mining and Mfg. Co. Inks for marking condensation polymers. 2,875,105, 2-24-59, Cl. 117-218.
- Troglione, Vincent R., to Ferguson Equipment Corp. Heat treating furnace. 2,875,995, 3-3-59, Cl. 263-6.
- Trolano, Carlo: See—  
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- Trolano, Pat. Elevators for bowling pin setting machines. 2,902,282, 9-1-59, Cl. 273-43.
- Trojok, Daniel T.: See—  
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- Trolo, Ernest E.: See—  
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- Trompeter, William: See—  
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- Troniseck, Karl-Heinz: See—  
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- Tronnier, Albrecht W.: See—  
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- Troske, Frederick W., to Scovill Mfg. Co. Button registering machines. 2,878,954, 3-24-59, Cl. 218-6.
- Trost, Wayne C., to Barber-Colman Co. Yarn clamp. 2,867,028, 1-6-59, Cl. 24-262.
- Trostle, John W., to Aluminum Co. of America. Structures incorporating batten type joints. 2,907,287, 10-6-59, Cl. 108-21.
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- Trousdale, Robert B., to General Dynamics Corp. Telephone system. 2,889,407, 6-2-59, Cl. 179-15.
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- Trout, Robert G.: See—  
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- Troutman, Harvey A.: See—  
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- Trower, Mervyn H., to T. Wall & Sons Ltd. Conveyors. 2,889,032, 6-2-59, Cl. 198-179.
- Troy, Gerald P., to The Indiana Steel Products Co. Magnet assemblies. 2,915,681, 12-1-59, Cl. 317-123.
- Troy, James J.: See—  
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- Troyer, Milo C. Animated fish lure. 2,917,859, 12-22-59, Cl. 43-26.2.
- Trtan, Mike A.: See—  
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- Tru Balance Corsets, Inc.: See—  
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- Truax, Jacob: See—  
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- Truax, Leon D. Filtering device. 2,906,403, 9-29-59, Cl. 210-447.
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True, Charles H., Jr., and H. W. King, to Spotnalls, Inc. Machine for driving sash pins or the like. 2,897,501, 8-4-59, Cl. 1-46.  
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Truini, Richard C., to Bloomer Bros. Co. Means for opening carton folding closure flaps. 2,871,640, 2-3-59, Cl. 53-382.  
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Tsang, Siem M., C. E. Lewis, and A. P. Paul, to American Cyanamid Co. Polyacrylonitriles dyed with quaternized heterocyclic azo dyes. 2,893,816, 7-7-59, Cl. 8-55.  
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- Turbine Equipment Co.: See—  
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- Turetz, Manuel. Intermittently dispensing roller towel cabinet. 2,867,486, 1-6-59, Cl. 312-38.
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- Turnage, Rodger E., Jr., to Hazeltine Research, Inc. Linear sweep-signal generator. 2,874,311, 2-17-59, Cl. 307-88.5.
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- Turner, Charles R., to Proctor Electric Co. Automatic bread toaster. 2,877,702, 3-17-59, Cl. 99-329.
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- Turner, Edwin E. Method and apparatus for energy conversion. 2,899,565, 8-11-59, Cl. 290-1.
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- Turner, George I.: See—  
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- Turner, George J. Device for developing cutter profiles. 2,903,943, 9-15-59, Cl. 88-24.
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- Turner, George O., to The Dow Chemical Co. Method and composition for the treatment of soil. 2,875,118, 2-24-59, Cl. 167-22.
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- Turner, Harold H., to The Ingersoll Milling Machine Co. Multiple direction visual measuring system. 2,879,692, 3-31-59, Cl. 88-24.
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- Turner, Herman B. Method of treating and processing poultry. 2,866,998, 1-6-59, Cl. 17-45.
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- Turner, John, to Koppers Co., Inc. Dust filter and collector. 2,867,288, 1-6-59, Cl. 183-61.
- Turner, John. Broken strand indicator. 2,876,615, 8-10-59, Cl. 57-81.
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- Turner, John D. Lumber tally system. 2,869,788, 1-20-59, Cl. 235-61.
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- Turner, John L., to Raytheon Mfg. Co. Noninductive cathode heaters. 2,869,032, 1-13-59, Cl. 315-39.51.
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- Turner, Peter J. A.: See—  
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- Turner, Robert L.: See—  
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- Turner, Roy, and E. A. White, to The British Petroleum Co. Ltd. Equilibrium pressure autofining with a silica-alumina base autofining catalyst. 2,893,953, 7-7-59, Cl. 208-214.
- Turner, Russell H.: See—  
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- Turner, Willard: See—  
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- Turner, William F. S.: See—  
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- Turpin, Frank G., Jr., R. E. Draeger, and L. M. Addison, to Esso Research and Engineering Co. Prevention of catalyst loss in the regeneration of molybdenum oxide hydroforming catalysts. 2,913,402, 11-17-59, Cl. 208-136.
- Turpin, Lawrence A. Drip silencer. 2,885,123, 5-5-59, Cl. 222-187.
- Turre, George J., to Hamilton Watch Co. Galvanometer. 2,882,498, 4-14-59, Cl. 324-156.
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- Turrini, John M. J.: See—  
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- Tursky, Michael F.: See—  
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- Turteltaub, Bernard. Portable lock for motor vehicle pivoted windows. 2,873,769, 2-17-59, Cl. 292-288.
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- Turunen, William A., and P. W. O'Connell, deceased, by E. A. O'Connell, administratrix, to General Motors Corp. Evaporative cooled turbine. 2,883,152, 4-21-59, Cl. 253-39.15.
- Turillo, Lee, to Intrusion-Prepakt, Inc. Method for making structural foundations. 2,875,584, 3-3-59, Cl. 61-50.
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- Tuttle, Charles D.: See—  
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- Tuttle, Charles H.: See—  
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- Tuttle, Clifton M.: See—  
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- Tuttle, Clifton M., F. M. Brown, and C. J. Brasser, to Specialties, Inc. Photofluorography. 2,880,325, 3-31-59, Cl. 250-66.
- Tuttle, Daniel V., to Tuttle Electric Products, Inc. Electric igniter for gas burners. 2,912,623, 11-10-59, Cl. 317-87.
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- Tuttle, John R.: See—  
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- Tuttle, Kenneth B., and L. C. Keene, to Northrop Corp. Polynomial solver. 2,900,136, 8-18-59, Cl. 235-180.
- Tuttle, Richard C. Control means for automatic fishing reels. 2,882,637, 4-21-59, Cl. 43-20.
- Tuttle, Richard E. Tube cutoff machine. 2,879,844, 3-31-59, Cl. 174-48.
- Tuttle, Robert F., to General Motors Corp. Roller type tire mounting machine. 2,907,379, 10-6-59, Cl. 157-1.1.
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- Twelt, Robert C.: See—  
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Twerdahl, Edward A. Cleaning and applying apparatus. 2,888,704, 6-2-59, Cl. 15-244.

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Aschauer, George R. 2,890,776.  
Aschauer, George R. 2,917,951.  
Hilpert, Conrad R. 2,913,931.  
Yokel, Edward C. 2,869,701.

Twin Martin Corp.: See—  
Wognum, James N., Teibel, and W. S. Wognum. 2,895,289.

Twin Trees Gardens, Inc.: See—  
Mangravite, George H. 2,886,220.

Twining, Ralph H., to L. H. Lincoln & Son, Inc. Gels and process for making them. 2,874,545, 2-24-59, Cl. 61-36.

Twitcheil, Herman P., to Preston Street Combing Co. Ltd. Carding engines for wool. 2,902,724, 9-8-59, Cl. 19-99.

Twitcheit, Harry J.: See—  
Deverell-Smith, Raymond, Mitchell, and Twitcheit. 2,874,146.

Gines, Ronald B., and Twitcheit. 2,888,416.

Twoood, Robert R., to United-Carr Fastener Corp. Turn-button fastener. 2,879,572, 3-31-59, Cl. 24-221.

Twomey, Dermot: See—  
Barry, Vincent C., Belton, Conalty, and Twomey. 2,875,204.

Twomey, Robert C.: See—  
Jencks, Harold S., and Twomey. 2,871,457.

Twyman, Harold W. Potato peeler or the like. 2,912,755, 11-17-59, Cl. 30-128.

Tybus, Frank W. Surge or back flow valve. 2,877,792, 3-17-59, Cl. 137-512.1.

Tycoon Finnor Corp.: See—  
O'Brien, Frank M., Jr. 2,878,608.  
O'Brien, Frank M., Jr. 2,878,609.

Tyzkowski, Edward A., to Allied Chemical Corp. Production of carbon tetrafluoride. 2,895,999, 7-21-59, Cl. 260-653.8.

Tydemann, Clarence W. High pressure fluid seals. 2,892,645, 6-30-59, Cl. 286-26.

Tydon, Walter, and R. K. Ruhe, to Fairchild Engine and Airplane Corp. Aircraft transportable pallet floor. 2,876,969, 3-10-59, Cl. 244-118.

Tye, Frank L.: See—  
Kressman, Theodore R. E., Tye, and Bott. 2,894,894.

Tye, Frank L., to The Permutit Co. Ltd. Inserts for membrane spacers. 2,851,124, 4-7-59, Cl. 204-301.

Tye, Joseph F., to Tokheim Corp. Bottom filling system and apparatus. 2,884,964, 5-5-59, Cl. 141-128.

Tykulsky, Alexander, to Omega Laboratories. Method and means for producing electrical waves. 2,881,311, 4-7-59, Cl. 250-27.

Tyler, David C., to The General Electric Co. Ltd. Electric oscillator systems. 2,919,412, 12-29-59, Cl. 331-52.

Tyler, Hugh J.: See—  
Weber, Victor, Tyler, and Russell. 2,902,567.  
Weber, Victor, Tyler, and Russell. 2,913,562.

Tyler, Leslie P., and L. E. Dilts, to General Electric Co. Apparatus for feeding coiled filaments. 2,892,568, 6-30-59, Cl. 221-211.

Tyler Refrigeration Corp.: See—  
Hennion, Joseph B. 2,903,269.  
Hennion, Joseph B. 2,903,273.  
Hennion, Joseph B. 2,918,294.

Tyler, Stanley R., to Dowty Fuel Systems Ltd. Liquid fuel supply systems for gas turbine engines. 2,874,766, 2-24-59, Cl. 158-36.4.

Tyler, W. S., Co. The: See—  
Parks, Walter J. 2,910,180.  
Parks, Walter J. 2,914,177.  
Pomeroy, Sawyer M. 2,874,730.  
Pomeroy, Sawyer M. 2,886,697.

Tyler, Winfield W., and R. Newman, to General Electric Co. Bistable semiconductor devices. 2,871,377, 1-27-59, Cl. 307-88.5.

Tyler, Winfield W., and R. Newman, to General Electric Co. Germanium current controlling devices. 2,871,427, 1-27-59, Cl. 317-239.

Tyma, Louis S., Jr., and J. M. Grodzjak, to Miehle-Goss-Dexter, Inc. Machine for finishing tubular stereotype printing plates. 2,909,829, 10-27-59, Cl. 29-21.

Tyrer, Daniel and D. D. Process of improving the smoking qualities of tobacco. 2,914,072, 11-24-59, Cl. 131-140.

Tyrer, Denis D.: See—  
Tyrer, Daniel and D. D. 2,914,072.

Ty-Sa-Man Machine Co.: See—  
Hensley, James L. 2,901,245.

Tyskewicz, John P.: See—  
Bourne, Roland B., and Tyskewicz. 2,904,125.  
Bourne, Roland B., and Tyskewicz. 2,914,132.

Tyson, Charles W.: See—  
Nicolai, Lloyd A., Tyson, and Gornowski. 2,905,630.

Tyson, Charles W., to Esso Research and Engineering Co. Separation of polymer from hydroformate. 2,910,435, 12-8-59, Cl. 208-95.

Tyson, George N., Jr., to Olin Mathieson Chemical Corp. Preparation of borate esters. 2,884,440, 4-28-59, Cl. 260-462.

Tyson, Graham: See—  
Rice, Rex, Jr., Dilling, and Tyson. 2,898,175.

Tyson, Owen A., to Hughes Aircraft Co. Low inertia rate tachometer. 2,911,585, 11-3-59, Cl. 322-31.

Tyson, Richard C.: See—  
Harrison, Marvin E., Tyson, and Mellor. 2,877,325.

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Tyzkiewicz, Stefano. Electrical impulse released selector. 2,890,504, 8-11-59, Cl. 179-27.51.

Tytell, Boris H.: See—  
Preisler, Herman S., Cook, and Tytell. 2,910,419.

Tyzack, Harold, to Motorola, Inc. Preset tuning selector. 2,914,953, 12-1-59, Cl. 74-10.52.

Tyzack, Harold, to Motorola, Inc. Pushbutton selector motor control system. 2,915,691, 12-1-59, Cl. 318-467.

Tyzzer, Howard J., to Ferris Instrument Co. Tuning device. 2,874,294, 2-17-59, Cl. 250-40.

UCLAF: See—  
Allais, Andre, and Girault. 2,885,437.

Amiard, Gaston, Heymes, and Velluz. 2,883,399.

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Anatol, Jesus, and Torelli. 2,917,541.

Barthelemy, Pierre, Penasse, and Nomine. 2,879,203.

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Bellet, Paul. 2,881,170.

Muller, Georges, Vaterlaus, and Velluz. 2,911,411.

UDIC Societe Anonyme: See—  
Apel, Alfons, and Rössler. 2,917,390.

U M & F Mfg. Corp.: See—  
Flint, Richard W. 2,906,482.

U. V. Mfg. Corp.: See—  
Horowitz, Irving. 2,906,918.

Uarco, Inc.: See—  
Kessler, Jack J. 2,872,187.

Schossberger, Frederick V., and Werle. 2,890,069.

Steldinger, Donald J. 2,895,534.

Stratton, Edwin J. D. 2,884,262.

Vogel, Charles J. 2,884,263.

Winter, Charles L., and Euth. 2,907,438.

Ubank, Raymond G.: See—  
Llewellyn, Geiriondydd, and Ubank. 2,887,420.

Uber, Charles H.: See—  
Borton, Eugene F., Yost, Gorga, and Uber. 2,880,387.

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Uccelli, Augusto. Method of coating. 2,893,897, 7-7-59, Cl. 117-137.

Ucci, Pompello A., and W. H. Howard, to The Chemstrand Corp. Acrylonitrile polymer compositions stabilized with paraformaldehyde and trialkyl substituted phosphites, and method of making same. 2,878,227, 3-17-59, Cl. 260-32.6.

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Uchlyama, Aiji A.: See—  
Stern, David R., and Uchlyama. 2,893,838.

Uchuck, Alexander: See—  
Colt, Rutger B., and Uchuck. 2,894,391.

Udale, Stanley M., to Holley Carburetor Co. Fuel injection system. 2,900,969, 8-25-59, Cl. 123-140.

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Udy, Murray C.: See—  
Udy, Marvin J., and M. C. 2,878,114.

Udylite Corp. The: See—  
Brown, Henry. 2,900,707.  
Davis, John V. 2,894,517.  
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Davis, John V., and Planowski. 2,881,711.  
Rabut, Eugene W. 2,874,820.

Udylite Research Corp. The: See—  
Becking, Donald H., Claus, and Brown. 2,882,208.  
Brown, Henry. 2,913,377.  
Brown, Henry, and Fellows. 2,882,209.  
High, Le Roy B. 2,899,289.  
Weinberg, Max, and Brown. 2,871,550.

Uebel, Norman P. Cutter for slicing cheese or the like. 2,869,230, 1-20-59, Cl. 30-116.

Ueberschaer, Hubert: See—  
Kaufmann, William M., and Ueberschaer. 2,900,971.

Ueberwasser, Hellmut: See—  
Reichstein, Tadeus, Wettstein, Anner, Billiter, Heusler, Neher, Schmidlin, Ueberwasser, and Wieland. 2,904,545.

Uecker, Guenter. Rudder for boats. 2,910,954, 11-3-59, Cl. 114-167.

Uecker, Walter W., and S. Sori, to I-T-E Circuit Breaker Co. Enclosure door catch. 2,897,993, 8-4-59, Cl. 217-60.

Ueckert, Ernest: See—  
Hockel, Hans L., and Ueckert. 2,871,835.

Ueckert, Ernst, to Knorr-Bremse G. m. b. H. Tools operated by an internal combustion engine. 2,875,737, 3-3-59, Cl. 123-7.

Ueda, Takeo, T. Wachi, and T. Ito, to Dainippon Pharmaceutical Co. Ltd. Derivatives of 3-arylaazo-naphthalene-sulfonic acid. 2,877,219, 3-10-59, Cl. 260-196.

Ueda, Takuji. Tongue rail locking mechanism. 2,906,477, 9-29-59, Cl. 246-318.

Uehara, Yasuo, Y. Kobuke, and H. Tomishima, to Tokyo Shibaura Electric Co. Ltd. Barium phosphate phosphor. 2,882,238, 4-14-58, Cl. 252-301.4.

Uehre, Fred H., Jr. Air purifier. 2,881,854, 4-14-59, Cl. 153-4.3.

Uelmann, Heinz, to The B. F. Goodrich Co. Coating compositions. 2,904,526, 9-15-59, Cl. 260-23.

Uemura, Saburo: See—  
Nagai, Kenzo, and Uemura. 2,870,270.

Ceno, Yoshio, to Takeda Pharmaceutical Industries, Ltd. Method for preparing kaolic acid and its derivatives; and intermediate thereof. 2,902,492, 9-1-59, Cl. 260-326.3.

Uessem, Bernd. Device for making dentures. 2,908,975, 10-20-59, Cl. 32-19.

Ufert, Coral G.: See—  
Ufert, Walter B., and C. G. 2,873,811.

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Uhde, Friedrich, G.m.b.H.: See—  
Behrens, Heinz, and Mahfeldt. 2,882,024.  
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Uher, Edmund: See—  
Capron, Michel V. F., and Uher. 2,878,690.

Uhing, Eugene H.: See—  
Murphy, John F., and Uhing. 2,892,720.

Uhlir, Friedrich W., to I-T-E Circuit Breaker Co. Dummy brush for slip rings. 2,898,497, 8-4-59, Cl. 310-228.

Uhl, Leon T., to Littlefuse, Inc. Snap acting flasher switch. 2,878,340, 3-17-59, Cl. 200-113.

Uhl, Siegfried, to Keller & Knappich G.m.b.H. Barbed wire spiral. 2,908,484, 10-13-59, Cl. 256-8.

Uhl, William H., and H. G. Jones, to Commercial Controls Corp. Printing machine. 2,888,873, 6-2-59, Cl. 101-90.

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Uhlen, Olof H. Fishing line submersers. 2,891,345, 6-23-59, Cl. 43-43.13.

Uhlenbroek, Jan H., H. Koopman, H. H. Haack, J. Daams, and J. D. Bijloo, to North American Phillips Co., Inc. Method of combating insects comprising contacting with a dichloro-1,3,5-triazine. 2,911,337, 11-3-59, Cl. 167-33.

Uhlenhaut, Rudolf E.: See—  
Scherenberg, Hans O., and Uhlenhaut. 2,904,025.

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Uhlenkott, John J. Log-handling device. 2,867,316, 1-6-59, Cl. 203-75.

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Uhlir, Albert F., to Owens-Illinois Glass Co. Bottle supporting cradle. 2,888,127, 5-26-59, Cl. 198-33.

Uhlir, George. Winch. 2,913,224, 11-17-59, Cl. 254-167.

Uhlir, Arthur, Jr., to Bell Telephone Laboratories, Inc. Semiconductor nonlinear capacitance diode. 2,884,607, 4-28-59, Cl. 333-98.

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Uhlir, Roy B., and E. J. Luetschschwab, to Standard Oil Co. Tank drain system. 2,896,657, 7-28-59, Cl. 137-172.

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Uhlmann, Wolfram E. M.: See—  
Jacob, Walter E. W., Sternbeck, Svalla, and Uhlmann. 2,888,602.

Sternbeck, Olaf, and Uhlmann. 2,871,401.

Uhlrig, Harry W., and R. W. White, to General Electric Co. Rollable fan support. 2,890,890, 6-16-59, Cl. 280-47.12.

Uhrig, Karl: See—  
Dillworth, John P., Uhrig, and Becker. 2,877,181.

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Andersson, Holger, and Uhrus. 2,904,195.

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Köpke, Günter, and Ulbricht. 2,869,857.

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Reuter, Franz G., Ulderup, and Kniepkamp. 2,917,347.  
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Orthuber, Richard K., and Ullery. 2,875,350.

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Lyman, Raphael. 2,898,922.

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- Ulm, Reigen C., to Union Tank Car Co. Floating roof seal arrangement. 2,897,998, 8-4-59, Cl. 220-26.
- Ulm, Robert A.: See—
- Antonella, John E., Dray, and Ulm. 2,870,354.
- Ulmer, Harry E.: See—
- Birdwhistell, Ralph K., Ulmer, and Quill. 2,876,179.
- Ulmes, August B.: See—
- Scalera, Mario, Brody, Zimmerman, and Ulmes. 2,911,425.
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- Ulrey, Ray C.: See—
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- Ulrich, Charles B., Jr., to Watson Mfg. Co., Inc. Filling systems. 2,883,989, 4-28-59, Cl. 129-16.7.
- Ulrich, Erwin W., to Minnesota Mining and Mfg. Co. Pressure-sensitive adhesive sheet material. 2,884,126, 4-28-59, Cl. 206-59.
- Ulrich, Frederick, to Conmar Products Corp. Slide fasteners. 2,879,573, 3-31-59, Cl. 24-205.15.
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- Ulrich, James F., to The Tenna Mfg. Co. Clutching mechanism. 2,896,870, 7-28-59, Cl. 242-54.
- Ulrich, Jose R. Automatic card file system. 2,872,053, 2-3-59, Cl. 214-11.
- Ulrich, Werner: See—
- Cagle, William B., and Ulrich. 2,873,389.
- Ulrich, William D. Pipe line photographing apparatus. 2,909,975, 10-27-59, Cl. 95-11.
- Ulsamer, Julius: See—
- Wolf, Walter E., and Ulsamer. 2,875,705.
- Ultradyne, Inc.: See—
- Jamieson, Robert S. 2,883,633.
- Jessen, Phillip L. 2,884,608.
- Ultra Electric, Inc.: See—
- Reed, Gabriel. 2,869,048.
- Ultrasonic Development, Inc.: See—
- Towne, Alfred E. 2,916,265.
- Ultra-Sucre Co.: See—
- Kopke, Ernst W. 2,868,677.
- Ulvild, George B.: See—
- Luke, Oren V., Jr., Ulvild, and MacKenzie. 2,893,923.
- Ulvild, George B., and J. S. MacKenzie, to Celanese Corp. of America. Recovery of gamma-butyrolactone. 2,875,213, 2-24-59, Cl. 260-343.6.
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- Umanoff, Martin. Adjustable signs. 2,903,806, 9-15-59, Cl. 40-68.
- Umbach, Helmut: See—
- Grosskinsky, Otto, and Umbach. 2,898,190.
- Umbenhauer, Milton S.: See—
- Vollbrecht, Justus T., and Umbenhauer. 2,870,635.
- Umbria, Elmar J., and E. A. L. Schulze, to Telefonaktiebolaget L. M. Ericsson. Method for producing a silver coating on a non-metallic material. 2,879,175, 3-24-59, Cl. 117-35.
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- Umbrecht, Emil, to Ajem Laboratories, Inc. Self-opening door structures and operating mechanisms. 2,911,211, 11-3-59, Cl. 268-74.
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- Umphred, Edwin F., Jr., and E. L. Pace, to Umphred's. Chair frame construction. 2,905,232, 9-22-59, Cl. 153-186.
- Umphred's: See—
- Umphred, Edwin F., Jr., and Pace. 2,905,232.
- Umphrey, Donald M. High tension oil switch. 2,909,633, 10-20-59, Cl. 200-150.
- Umrath, Ernst, to Daystrom, Inc. Protective device for recorders and the like. 2,886,759, 5-12-59, Cl. 318-468.
- Umrath, Ernst, to Daystrom, Inc. Electro-magnetic vibrator. 2,902,561, 9-1-59, Cl. 200-90.
- Umrath, Ernst, to Daystrom, Inc. Adjustable electric braking circuit for servo-mechanism. 2,906,937, 9-29-59, Cl. 318-448.
- Umstadter, Harold W., to American Portable Irrigation Co. Packed sleeve coupling for flared conduits. 2,900,200, 8-18-59, Cl. 285-332.3.
- Umstead, Donald E. Bin dispenser. 2,915,162, 12-1-59, Cl. 193-27.
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- Young, George A., Jr., Underdahl, Hinz, and Silbernick. 2,881,733.
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- Underdown, George R., 1/2 each to J. and D. M. Underdown. Additive for binding agents hardened by hydration and process of forming the same. 2,890,965, 6-16-59, Cl. 106-89.
- Underdown, Jeannie: See—
- Underdown, George R. 2,890,965.
- Underkofler, Leland A., to Miles Laboratories, Inc. Meat tenderizer. 2,904,442, 9-15-59, Cl. 99-222.
- Underwood, Arthur F., to General Motors Corp. Sleeve bearing. 2,914,367, 11-24-59, Cl. 308-237.
- Underwood, Charles E. Two piece collapsible chair. 2,914,117, 11-24-59, Cl. 155-191.
- Underwood Corp.: See—
- Auerbach, Albert A. 2,898,457.
- Auerbach, Albert A., Minkow, and Schreiner. 2,902,686.
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- Hildebrandt, William J. 2,905,299.
- Hildebrandt, William J., and Intagliata. 2,913,088.
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- Lubkin, Samuel. 2,910,667.
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- Shaw, Robert F. 2,910,668.
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- Underwood, Harold B., and G. D. Harrington, to Shakespeare Co. Fishing reel of the type known as spinning reel. 2,919,077, 12-29-59, Cl. 242-84.2.
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- Underwood, Leonard L., to Mitchell Camera Corp. Spool mount for kinoscopes. 2,904,277, 9-15-59, Cl. 242-68.8.
- Underwood Machinery Co.: See—
- Smith, Minot F. 2,907,482.
- Underwood, William F., and H. L. Leventhal, to Union Carbide Corp. Method for producing artificial food casing. 2,901,358, 8-25-59, Cl. 99-176.
- Undy, Gustav E., to Multi-Products Co., Inc. Selective remote control apparatus. 2,886,703, 5-12-59, Cl. 250-27.
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- Unger, Harold F. Arrowhead construction. 2,880,000, 3-31-59, Cl. 273-108.5.
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- Unger, Harold W., and D. H. Zipper, to White Cap Co. Controlled torque gasket compositions. 2,874,863, 2-24-59, Cl. 215-40.
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- Price, Berry G., Unger, and Unger. 2,882,488.
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- Price, Berry G., Unger, and Unger. 2,909,393.
- Unger, Robert M., and R. Harper, to Raytheon Mfg. Co. Brazing methods. 2,882,687, 4-21-59, Cl. 29-155.5.
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- Ungerer, Fritz. Machine for lubricating metallic sheets. 2,909,150, 10-20-59, Cl. 118-227.
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- Unglicht, Emil, to Friden, Inc. Constant factor storage mechanism for a calculating machine. 2,898,039, 8-4-59, Cl. 235-79.
- Unicorn Engineering Corp.: See—
- Baumbach, Harlan L., and Hoult. 2,908,301.
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- Bailey, Donald L. 2,897,222.
- Bailey, Donald L. 2,909,549.
- Bailey, Donald L. 2,913,473.
- Bailey, Donald L. 2,917,530.
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Berg, Clyde H. O. 2,894,041.  
Berg, Clyde H. O. 2,897,133.  
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Buckmann, John P. 2,887,368.  
Buckmann, John P. 2,918,433.  
Chapin, Ralph W. 2,894,823.  
Deering, Roland F., Durr, and Vaell. 2,913,399.  
Deering, Roland F., and Wilkinson. 2,895,887.  
Doumani, Thomas F. 2,871,200.  
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Wood, Frederick C. 2,891,905.  
Wood, Frederick C. 2,891,906.  
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 Drake, George L., Jr., Reeves, and Chance. 2,911,325.  
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 Ferrel, Robert E. 2,898,215.  
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 Goldblatt, Leo A., and Hopper. 2,884,330.  
 Graham, Robert P., Brown, and Tamage. 2,897,600.  
 Halbrook, Noah J., and Lawrence. 2,889,362.  
 Hebre, Edward J., Tsuchiya, Hellman, and Senti. 2,906,669.  
 Hofreiter, Bernard T., Wolff, and Mehlretter. 2,894,945.  
 Jurd, Leonard. 2,892,845.  
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 Moore, Joseph E. 2,880,054.  
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 Colby, Richard H. 2,870,561.  
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 Feinleib, Morris, Francis, and Graft. 2,902,531.  
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 Fisher, Alan J. 2,881,316.  
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 Garoff, Kenton. 2,908,872.  
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 Griest, Andrew J., Parris, and Frost. 2,892,743.  
 Grimm, Bruce F. 2,884,978.  
 Grover, Donald P. 2,868,081.  
 Guttwein, Gunter K. 2,892,900.  
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 Kohler, Hans W. 2,910,586.  
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 La Fever, Clifford E. 2,889,654.  
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Schwemin, Arnold J. 2,878,401.  
Seaborg, Glenn T. 2,882,124.  
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Seybolt, Allan U. 2,872,308.  
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Simon, Sidney L. 2,893,575.  
Skarstrom, Charles. 2,876,949.  
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Van Winkle, Quentin. 2,895,791.  
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Walt, James C. 2,883,264.  
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Marzetta, Louis A. 2,871,432.  
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Giori, Francis A. 2,892,106.  
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Hansen, Wilbur W. 2,906,883.  
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Hare, Donald G. C. 2,902,673.  
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Heckman, Earl H. 2,916,872.  
Henderson, Joseph E. 2,892,093.  
Hennessey, Frank L. 2,881,431.  
Henry, Robert L., Jr. 2,892,129.  
Hermann, Robert A. 2,892,667.  
Hinman, Wilbur S., Jr. 2,897,759.  
Hissman, Russell L., Jr. 2,912,915.  
Hoffman, Joseph G. 2,916,631.  
Holmes, Julian C. 2,891,154.  
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Huch, William F. 2,904,255.  
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Hurst, William M. 2,872,274.  
Innlise, Clarence F. 2,868,969.  
Intintolo, John J. 2,892,306.  
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Jamieson, Hugh W. 2,903,695.  
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Jenny, Hans K. 2,910,620.  
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Krasno, Maxwell R. 2,894,231.  
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 Seorgie, Donald G. 2,885,631.  
 Setterblade, Earl O. 2,899,799.  
 Sewell, Ben W. 2,900,467.  
 Shapiro, Gustave. 2,879,491.  
 Shaw, Robert M. 2,882,718.  
 Siedband, Melvin P. 2,895,084.  
 Siedband, Melvin P. 2,895,085.  
 Siedband, Melvin P. 2,910,652.  
 Single, Herbert C. 2,892,082.  
 Skaar, Karsten S. 2,872,805.  
 Sloan, David H., and Goss. 2,892,410.  
 Small, William W. 2,900,910.  
 Smith, Frederick H. 2,906,227.  
 Smith, John E. 2,890,718.  
 Smith, Kenneth G., and Washington. 2,867,682.  
 Smith, Thomas A. 2,891,230.  
 Snow, Oscar J. 2,885,666.  
 Sparks, Earl C., Jr. 2,883,625.  
 Spratt, George G. 2,886,368.  
 Sprengler, Donald F., and Matonak. 2,882,445.  
 Statham, Louis D. 2,900,911.  
 Stedman, Cecil K., and Smith. 2,886,794.  
 Stevens, George H., and Wilsker. 2,890,401.  
 Stirtan, Robert J., and Lettmann. 2,907,028.  
 Stocker, Arthur C. 2,881,342.  
 Stoddard, Orren J. 2,901,407.  
 Stuart, Alfred A., and Benfield. 2,883,653.  
 Sullivan, James R. 2,910,034.  
 Sussman, Harry. 2,884,084.  
 Tafel, Robert W., and Smith. 2,914,268.  
 Taubenslag, Morris J., and May. 2,898,460.  
 Tepper, Charles W. 2,917,678.  
 Tholstrup, Henry L. 2,876,943.  
 Thorness, Rudolph B. 2,907,843.  
 Tollefson, Robert D., and Wilkerson. 2,892,943.  
 Tuck, Edward. 2,903,504.  
 Turner, William R. 2,903,617.  
 Uphaw, Vert, and Moriarty. 2,916,651.  
 Vander Arend, Peter C., and Mann. 2,882,694.  
 Vintschger, Francis. 2,903,717.  
 Vogler, Raymond D. 2,896,880.  
 Wagoner, Robert G. 2,877,350.  
 Waldorf, Charles A., and Ainslie. 2,882,862.  
 Weaver, Preston R. 2,867,382.  
 Weaver, Preston R. 2,897,306.  
 Weir, James D. 2,916,688.  
 Weller, Royal. 2,870,714.  
 Wheeler, Gershon J., and Williams. 2,877,425.  
 Whitmore, Quentin R. 2,912,820.  
 Whittaker, Clyde A., and Donegan. 2,890,411.  
 Wilcox, Dwight D., Jr. 2,892,084.  
 Wilcoxon, Kenneth H. 2,906,992.  
 Wilkerson, Jefferson R., Tollefson, and Fubini. 2,888,670.  
 Williams, Harry, and Gey. 2,900,242.  
 Williams, Philip S. 2,898,394.  
 Williams, William H., and Baldwin. 2,919,423.  
 Williamson, Donald E. 2,874,605.  
 Woestman, John W., and Felts. 2,892,941.  
 Woodward, James S. 2,881,632.  
 Yaffee, Philip. 2,900,635.  
 Yusem, Milton. 2,870,120.  
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 Comings, Edward W., Shippee, and Adams. 2,882,239.  
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 Anderson, Everett V. 2,879,243.  
 Bashore, Don M., and Brown. 2,897,508.  
 Beckwith, Oscar E., Jr., and Hartman. 2,872,497.  
 Bill, John C. 2,877,259.  
 Boggs, Fitzhugh W. 2,897,173.  
 Boggs, Fitzhugh W. 2,908,657.  
 Brodeur, Edouard A. 2,873,450.  
 Brooks, Marvin C. 2,885,383.  
 Brooks, Marvin C. 2,891,885.  
 Brown, Robert W. 2,897,168.  
 Burkus, John. 2,877,192.

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 Burnett, Peter P. A. 2,874,416.  
 Cadwell, Sidney M., White, Black, and Varvaro. 2,873,790.  
 Combs, Wilbur E. 2,916,136.  
 Cunningham, Marion M. 2,893,746.  
 Curtiss, Nathaniel H. 2,873,844.  
 Doak, Kenneth W. 2,891,924.  
 Doak, Kenneth W. 2,891,925.  
 Doak, Kenneth W. 2,891,926.  
 Doak, Kenneth W. 2,916,470.  
 Doherty, James J., and McClure. 2,877,151.  
 Doherty, Thomas H., and Melin. 2,903,724.  
 Dowling, Robert J. 2,905,587.  
 Drew, Howard E., Warden, and Brodeur. 2,867,849.  
 Elliott, Daniel R., Culp, and Hulswit. 2,901,242.  
 Elliott, Daniel R., Ferguson, and Reid. 2,914,940.  
 Engstrom, Carl F. 2,904,095.  
 Haxo, Henry E., Jr., and Mills. 2,890,183.  
 Herman, Reynold C. 2,906,638.  
 Homeier, Otto F. 2,871,513.  
 Hulswit, William H., Jr., Berry, and Reid. 2,884,044.  
 Hurdle, Everett C., and Petras. 2,891,092.  
 Hurdle, Everett C., and Petras. 2,891,093.  
 Hurdle, Everett C., and Petras. 2,902,518.  
 Hurdle, Everett C., Petras, and Romeyn. 2,891,985.  
 Jurgelait, Herbert F. 2,869,177.  
 Jurgelait, Herbert F. 2,883,704.  
 Kiernan, Conleth E., and Clark. 2,872,366.  
 Leach, Robert R., and Phillips. 2,891,327.  
 Linhorst, Erwin E. 2,873,475.  
 Linhorst, Erwin F. 2,900,663.  
 Lippmann, Seymour, and Berger. 2,878,852.  
 Lippmann, Seymour, and Grant. 2,880,848.  
 Lundy, Warren J., and Swan. 2,897,365.  
 MacDonald, Donald A. 2,903,901.  
 MacDonald, Donald C. 2,903,901.  
 Mahady, John J. 2,917,102.  
 Mankowich, Ivan, Steinnie, and Chiavetta. 2,871,205.  
 Mankowich, Ivan, Steinnie, and Chiavetta. 2,871,206.  
 Marshall, James W., and Walter. 2,914,844.  
 Miller, Roy W., and Grant. 2,896,281.  
 Mills, George S., and Haxo. 2,906,718.  
 Mooney, Melvin, and Ether. 2,880,463.  
 Mulbarger, Francis A. 2,889,870.  
 Nichols, Parks M. 2,874,746.  
 Olson, Mark W., Fournier, and Dobbs. 2,873,227.  
 Parshall, Clarence M., and Geyer. 2,910,726.  
 Petras, John F. 2,891,989.  
 Pooley, Robert W. 2,901,774.  
 Rhodes, Thomas J. 2,892,212.  
 Rhodes, Thomas J. 2,897,540.  
 Rhodes, Thomas J. 2,907,074.  
 Sauer, Herman C. 2,867,845.  
 Sauer, Herman C. 2,883,701.  
 Schneider, Harry D. 2,908,040.  
 Shino, Henry J., and Snyder. 2,881,185.  
 Smith, Allen E., and Feldman. 2,893,855.  
 Smith, Cornelius W., Seger, and Korem. 2,896,687.  
 Smith, Frank B. 2,907,752.  
 Smith, Hubert T., and Todd. 2,878,857.  
 Standish, William C., Jr. 2,874,472.  
 Steel, Robert N. 2,892,216.  
 Strickhouser, Sherman I., and Van Twisk. 2,917,749.  
 Sundholm, Norman K. 2,873,277.  
 Sundholm, Norman K. 2,889,331.  
 Szayna, Antoni. 2,889,312.  
 Tauber, Samuel P., and Stannett. 2,899,876.  
 Thornburg, Harold A. 2,908,486.  
 Weigold, Harold, and Grant. 2,880,459.  
 Wibbens, Virgil J. 2,880,467.  
 Viohl, Paul. 2,918,448.  
 U. S. Rubber Reclaiming Co., Inc.: See—  
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 Bruch, Frank F. 2,884,028.  
 Bruch, Frank F. 2,884,029.  
 Bruch, Robert G. 2,877,120.  
 Byland, Henry L., and Meyer. 2,886,845.  
 Folk, Joseph. 2,870,810.  
 Folk, Joseph. 2,888,793.  
 Kronske, John G. 2,884,026.  
 Meyer, Paul H. 2,877,014.  
 Meyer, Paul H. 2,886,846.  
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 United States Steel Corp.: See—  
 Agarwal, Jagdish C. 2,871,115.  
 Agarwal, Jagdish C. 2,915,379.  
 Alles, Warren, George, and Tarby. 2,874,451.  
 Andrews, Steve. 2,901,006.  
 Aston, Earl F. 2,870,838.  
 Bachman, James R., and Eusner. 2,878,132.  
 Bales, Charles A., and Linde. 2,906,249.  
 Barker, Ernest C. 2,890,591.  
 Beck, Eugene P., Jefferies, and Whitney. 2,887,283.  
 Berry, Thomas F. 2,912,740.  
 Boyle, John W. 2,901,217.  
 Brickman, Alan E. 2,911,865.  
 Brickman, Alan E. 2,912,878.  
 Brinker, Harry F., and Clark. 2,904,881.  
 Brookhouser, Lawrence H. 2,890,883.  
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 Butler, Thomas J. 2,886,497.  
 Camp, James B. 2,886,716.  
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 Carney, Dennis J. 2,885,752.  
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 Clarke, Otto A., and Dickson. 2,867,951.  
 Coleman, Ralph G. 2,889,721.  
 Condrac, Robert F. 2,869,404.  
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 Dahlgren, George. 2,901,931.  
 Darken, Lawrence S. 2,906,800.  
 Demmon, Floyd E. 2,886,307.  
 Doll, Richard C. 2,877,009.  
 Dykeman, George, and Schuerger. 2,878,003.  
 Edelmann, Sylvester G. 2,887,962.  
 Egge, Klaus. 2,878,005.  
 Egge, Klaus. 2,910,422.  
 Evans, Jullius B. 2,901,060.  
 Fawcett, Paul W. 2,908,215.  
 Fenner, James M. 2,900,784.  
 Fenner, James M. 2,900,785.  
 Franklin, David W., and Minick. 2,889,912.  
 Franks, Charles E. 2,868,370.  
 Gathmann, Mark H. 2,871,532.  
 Grass, Joseph C., and Zupansic. 2,903,384.  
 Hags, Joseph W. 2,871,006.  
 Hags, Joseph W. 2,910,287.  
 Hanley, Roy P. 2,876,000.  
 Hanson, Arthur F. 2,917,195.  
 Hawthorne, John O., and Witt. 2,905,570.  
 Hayden, Albert P. 2,877,963.  
 Henry, Edwin B., Jr. 2,870,401.  
 Higgs, Richard F., and Owen. 2,870,070.  
 Hochberger, Henry W. 2,906,520.  
 Hong, Tony. 2,895,856.  
 Hornak, John N., and Thatcher. 2,885,751.  
 Hurlington, Russell D. 2,880,889.  
 Hurat, Leonard T., and Presby. 2,900,710.  
 Johns, William H., and Perry. 2,872,027.  
 Johnson, Tegner A. 2,884,320.  
 Jukkola, Walfrid W. 2,909,423.  
 Jukkola, Walfrid W. 2,909,424.  
 Kahl, William D., Jr., and Steckle. 2,919,037.  
 Kerlie, Walter L. 2,900,249.  
 Kerr, David C., and Kifer. 2,873,840.  
 Kiefer, John M., Jr. 2,906,652.  
 Kiesling, Harry E. 2,898,783.  
 Knight, Robert D., and Melville. 2,911,695.  
 Lane, John R. 2,913,978.  
 Lang, Clark B. 2,916,293.  
 Lanstrom, Carl T. 2,876,962.  
 Lanstrom, Carl T. 2,888,076.  
 Lindstrom, Walter A., and Solsberg. 2,901,818.  
 Lorig, Edwin T. 2,869,866.  
 Lowerre, Ralph T. 2,893,640.  
 MacCurdy, William I. 2,883,031.  
 Magna, Peter S., and McCormick. 2,874,737.  
 Manes, Antone I., and McKinley. 2,912,098.  
 Manley, Edward J. 2,878,865.  
 Marburg, Edgar. 2,900,685.  
 McConnell, Howard M. 2,879,365.  
 Mitchell, Joseph R. 2,878,150.  
 Molinaro, Gregory R. 2,885,773.  
 Morrow, Harry C. 2,897,955.  
 Myers, Henry F. 2,892,744.  
 Neish, Richard A. 2,909,454.  
 Nelson, John F. 2,875,894.  
 Nelson, John F., Warner, and Whitney. 2,869,738.  
 Nelson, John F., Warner, and Whitney. 2,918,177.  
 Nichol, Wilbert G. 2,905,107.  
 Olson, Richard. 2,873,558.  
 Olson, Alfred E., and Wrhen. 2,906,291.  
 Orchoski, Michael A., and Stephenson. 2,898,667.  
 Person, Frank R. 2,869,906.  
 Person, Frank R. 2,903,768.  
 Peters, Raymond O. 2,890,905.  
 Ponchaud, George C. 2,874,028.  
 Popp, John D. 2,880,739.  
 Posey, Joseph J. 2,869,488.  
 Pritchard, John E., and Stokes. 2,883,925.  
 Ramskill, Thomas. 2,905,997.  
 Reed, Thomas F. 2,876,091.  
 Rendel, George H. 2,876,335.  
 Rendel, George H. 2,890,037.  
 Rendel, George H. 2,890,397.  
 Schane, Philip, Jr., and Taylor. 2,878,115.  
 Scherba, George J. 2,906,565.  
 Seeley, Dewey M. 2,918,961.  
 Selvaggio, John D., and Wareham. 2,869,845.  
 Simcoe, William H., and Vennett. 2,897,646.  
 Sizemore, Clarence B., and Thompson. 2,896,039.  
 Smith, Raymond. 2,894,867.  
 Spangler, Earl D. 2,880,778.  
 Sprengler, Donald F., and Matonak. 2,882,445.  
 Stevens, Roger W. 2,876,761.  
 Stoeckel, Albert L., and Zimmermann. 2,905,310.  
 Stoeckel, Albert L., and Zimmermann. 2,913,173.  
 Sundin, George H. 2,902,143.  
 Todd, Henry. 2,884,552.  
 Wagner, Elijah R. 2,879,056.  
 Walton, Carl S., and White. 2,892,702.

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 Warner, Scott D. 2,880,763.  
 Weir, Joseph T. 2,899,747.  
 Witt, Frank A. 2,869,241.  
 Yarotsky, Michael F. 2,893,888.  
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 United States Testing Co., Inc.: See—  
 Shepherd, Ridgley G., Jr., and Dearborn. 2,871,221.  
 United States Trust Co. of New York: See—  
 Getaz, James L. 2,904,171.  
 Ledwell, James W. 2,903,872.  
 U. S. Universal Joints Co.: See—  
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 Shapiro, Seymour L., and Freedman. 2,888,464.  
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 Shapiro, Seymour L., and Freedman. 2,909,569.  
 Shapiro, Seymour L., Freedman, and Rose. 2,899,437.  
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 Shapiro, Seymour L., Freedman, and Soloway. 2,909,531.  
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 Shapiro, Seymour L., Freedman, and Weinberg. 2,909,528.  
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 Farrell, Richard R. 2,873,893.  
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 Forrester, William A. 2,912,215.  
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 Berger, Charles V. 2,905,625.  
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 Bloch, Herman S. 2,872,483.  
 Bloch, Herman S. 2,878,182.  
 Bloch, Herman S. 2,887,520.  
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 Bloch, Herman S., and Geiser. 2,894,046.  
 Bloch, Herman S., and Haensel. 2,900,425.  
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 Chenicek, Joseph A. 2,893,952.  
 Chenicek, Joseph A. 2,910,373.  
 Chenicek, Joseph A., and Bloch. 2,867,673.  
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 Chenicek, Joseph A., and Rosenwald. 2,918,361.  
 Cyba, Henry A. 2,899,407.  
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 Deanealy, Richard M. 2,870,226.  
 De Rosset, Armand J., and Haensel. 2,878,192.  
 Donaldson, George R. 2,891,901.  
 Donaldson, George R. 2,915,454.  
 Donaldson, George R. 2,915,455.  
 Donaldson, George R., and Haensel. 2,872,492.  
 Erickson, Robert W. 2,893,845.  
 Gerhold, Clarence G. 2,871,275.  
 Gerhold, Clarence G., and Pohlenz. 2,909,414.  
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 Gleim, William K. T. 2,870,021.  
 Gleim, William K. T. 2,888,502.  
 Gleim, William K. T. 2,905,624.  
 Gleim, William K. T. 2,909,568.  
 Gleim, William K. T. 2,914,473.  
 Gleim, William K. T., and Urban. 2,882,224.  
 Haensel, Vladimir. 2,871,277.  
 Haensel, Vladimir. 2,890,167.  
 Haensel, Vladimir. 2,892,876.  
 Haensel, Vladimir. 2,905,620.  
 Haensel, Vladimir. 2,908,735.  
 Haensel, Vladimir. 2,911,451.  
 Haensel, Vladimir. 2,915,571.  
 Haensel, Vladimir, and Bloch. 2,899,943.  
 Haensel, Vladimir, and Donaldson. 2,906,691.  
 Haensel, Vladimir, and Donaldson. 2,906,699.  
 Haensel, Vladimir, and Donaldson. 2,915,453.  
 Henry, Victor E. 2,888,395.  
 Hervert, George L., and Bloch. 2,871,095.  
 Hervert, George L., and Bloch. 2,871,096.  
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 Hoekstra, James, and Michalko. 2,897,159.  
 Jones, Edwin K. 2,900,238.  
 Kassel, Louis S., and Pohlenz. 2,902,413.  
 Leffer, Frederick A. W. 2,917,451.  
 Linn, Carl B. 2,881,080.  
 Linn, Carl B. 2,885,451.  
 Linn, Carl B. 2,886,535.  
 Linn, Carl B. 2,890,229.  
 Linn, Carl B. 2,905,723.  
 Linn, Carl B. 2,908,720.  
 Linn, Carl B. 2,909,539.  
 Luvial, John P. 2,868,788.  
 Luvial, John P. 2,889,329.  
 Luvial, John P., and Schmerling. 2,882,279.  
 Luvial, John P., and Schmerling. 2,882,325.  
 Luvial, John P., and Schmerling. 2,910,515.  
 Mark, Victor. 2,876,263.  
 Massey, Lester G., and Gleim. 2,914,385.  
 McCausland, John W. 2,909,391.  
 Moehl, Reno W. 2,903,433.  
 Pohlenz, Jack B. 2,872,295.  
 Pohlenz, Jack B. 2,895,809.  
 Pollitzer, Ernest L. 2,906,707.  
 Post, Howard E. 2,894,897.  
 Ranstead, Norman H. 2,872,163.  
 Rosenwald, Robert H., and Chenicek. 2,867,604.  
 Rosenwald, Robert H., and Chenicek. 2,883,362.  
 Rosenwald, Robert H., and Chenicek. 2,902,466.  
 Schaad, Raymond E. 2,891,852.  
 Schmerling, Louis. 2,878,240.  
 Schmerling, Louis. 2,881,223.  
 Schmerling, Louis. 2,882,324.  
 Schmerling, Louis. 2,885,452.  
 Schmerling, Louis. 2,886,604.  
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 Schmerling, Louis. 2,894,993.  
 Schmerling, Louis. 2,894,994.  
 Schmerling, Louis. 2,894,995.  
 Schmerling, Louis. 2,901,517.  
 Schmerling, Louis. 2,902,517.  
 Schmerling, Louis. 2,905,628.  
 Schmerling, Louis. 2,905,663.  
 Schmerling, Louis. 2,905,697.  
 Schmerling, Louis. 2,905,725.  
 Schmerling, Louis. 2,911,447.  
 Schmerling, Louis. 2,912,356.  
 Schmerling, Louis. 2,914,517.  
 Schmerling, Louis. 2,914,571.  
 Schmerling, Louis. 2,918,502.  
 Schmerling, Louis, and Luvial. 2,916,532.  
 Schmerling, Louis, and Luvial. 2,895,997.  
 Sutherland, Robert E. 2,905,619.  
 Sutherland, Robert E. 2,905,626.  
 Symon, Ted. 2,910,437.  
 Thompson, Ralph B. 2,880,254.  
 Thompson, Ralph B. 2,881,219.  
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Hoffmann, Edelhard. 2,903,615.  
Llewald, Fritz, Rigo, and Keller. 2,919,376.  
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- VEB Zahnschneidemaschinenfabrik Modul: See—  
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- VEB Zeiss Ikon: See—  
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- VEB Zeiss Ikon Dresden: See—  
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Hennig, Walter, Strehle, and Mende. 2,906,184.  
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Kuhnert, Alfred R., and Rothe. 2,901,940.  
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- VEB Zementanlagenbau Dessau: See—  
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- V. & E. Products, Inc.: See—  
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- VIP, Inc.: See—  
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- VISI Record, Inc.: See—  
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- V-M Corp.: See—  
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Faulkner, Willard J. 2,898,771.  
Van Antwerp, Robert L. 2,918,288.

- Vaaler, Luther E., to The Griscom-Russell Co. Impregnated porous condenser surfaces. 2,919,115, 12-29-59, Cl. 257-28.
- Vaca, Humberto. Theft-proof wallet. 2,891,592, 6-23-59, Cl. 150-47.
- Vacap Corp.: See—  
Wilkins, Henry J., and Dolinko. 2,889,501.
- Vaccaro, Frank E., to Radio Corp. of America. Tunable magnetron. 2,915,675, 12-1-59, Cl. 315-39.77.
- Vaccaro, Joseph, Jr.: See—  
Hudson, Edwin M., and Vaccaro. 2,907,869.
- Vacha, Fred P., to The Gamewell Co. Brush assembly. 2,889,529, 6-2-59, Cl. 338-202.
- Vacha, Fred P., to The Gamewell Co. Impedance device. 2,904,767, 9-15-59, Cl. 338-311.
- Vachon, Hubert J., to Boston Machine Works Co. Machine for applying and cutting adhesive tape. 2,871,493, 2-3-59, Cl. 12-59.5.
- Vaclavik, Jaroslav, to Zapadomoravski strojirny, narodni podnik, Trebic. Sink controller device on a straight bar knitting machine. 2,890,578, 6-16-59, Cl. 66-110.
- Vac-U-Lift Co.: See—  
Lytle, George F. 2,887,549.
- Vadas, Leslie: See—  
Leslie, Richard B., Jr., and Vadas. 2,897,861.
- Vadas, Leslie, to Food Machinery and Chemical Corp. Container filling valve. 2,897,855, 8-4-59, Cl. 141-286.
- Vaell, Raoul P.: See—  
Deering, Roland F., Duir, and Vaell. 2,913,399.
- Vaell, Raoul P., to Union Oil Co. of California. Hydrocarbon conversion apparatus and process. 2,891,908, 6-23-59, Cl. 208-165.
- Vaell, Raoul P., to Union Oil Co. of California. Solids conveyance process and apparatus. 2,915,336, 12-1-59, Cl. 302-14.
- Vaell, Raoul P., and J. H. Duir, to Union Oil Co. of California. Hydrocarbon upgrading apparatus. 2,891,847, 6-23-59, Cl. 23-288.
- Vafakos, William P., to Sperry Rand Corp. Ford Instrument Co. Division. Reciprocal mechanism (Inversor). 2,906,455, 9-29-59, Cl. 235-61.
- Vafades, William J.: See—  
Selig, Victor H., and Vafades. 2,888,630.
- Vaghi, Joseph. Air circulating blower. 2,899,128, 8-11-59, Cl. 230-117.
- Vaher, Harold B.: See—  
Reed, Earl V., and Vaher. 2,883,554.
- Vahlstrom, Carl A., to The American Hardware Corp. Key-way shutters for cylinder locks. 2,906,112, 9-29-59, Cl. 70-455.
- Vahlteich, Hans W.: See—  
Landwerlen, Richard G., and Vahlteich. 2,909,437.
- Vahs, William, to International Harvester Co. Valve control means for hydraulic fluid-operated devices. 2,906,291, 9-29-59, Cl. 137-622.
- Vahs, William A., to Parker-Hannifin Corp. Valve assembly. 2,874,720, 2-24-59, Cl. 137-622.5.
- Vail, Albert A. Method of packaging food and casing therefor. 2,876,112, 3-3-59, Cl. 99-171.
- Vall, James N.: See—  
Mellich, Edwin G., and Vall. 2,890,008.
- Valliant, Joh. K.G.: See—  
Keppel, Ernst. 2,901,175.
- Schuchardt, Hans. 2,917,062.
- Valve, Victor A. Bottle seal cutter. 2,896,317, 7-28-59, Cl. 30-1.5.
- Vajda, Tommy F., to Lockheed Aircraft Corp. Optical target. 2,904,890, 9-22-59, Cl. 33-74.
- Vakos, Peter. Starter for a gasoline engine. 2,875,851, 3-3-59, Cl. 187-41.
- Vaktar, Anthony E., and H. Hacklander, to The Singer Mfg. Co. Thread take-up mechanisms for sewing machines. 2,910,950, 11-3-59, Cl. 112-241.
- Vak-U-Pak Corp.: See—  
Randall, Ralph S. 2,870,591.
- Valantin, Alfred A. M. Mining and loading machine having a screening plate. 2,868,532, 1-13-59, Cl. 262-28.
- Valembos, Jean, to Electricite de France (Service National). Apparatus for the utilization of the energy of waves. 2,886,951, 5-19-59, Cl. 61-20.
- Valensi, Georges. Color television receiver. 2,873,310, 2-10-59, Cl. 178-5.4.
- Valente, Ernesto. Apparatus to make coffee in large quantities to be adapted on the boiler of a common coffee percolator for bars, specially fit for hotels and the like. 2,874,630, 2-24-59, Cl. 99-307.
- Valenteyn, Johannes: See—  
Stiehl, Karl, Franz, and Valenteyn. 2,875,088.
- Valenti, Peter, to Sargent Engineering Corp. Jack screw drive. 2,907,223, 10-6-59, Cl. 74-424.8.
- Valentin Lenhof K. G.: See—  
Karpf, Nikolaus. 2,913,970.
- Valentine, Albert H., and T. M. Moore, to United States of America, Air Force. Cathode ray tube clamping centering device. 2,910,604, 10-27-59, Cl. 313-84.
- Valentine, George E., and J. H. Eubanks, to V. & E. Products, Inc. Safety device for preventing hopper fires in coal furnaces. 2,873,703, 2-17-59, Cl. 110-108.
- Valentine, Gordon W. Anti-freeze washer which is readily separable by cutting to relieve a threaded joint. 2,872,839, 2-10-59, Cl. 85-50.
- Valentine, Orville H., Jr., and K. K. Chelminski, to Ethicon, Inc. Terminal fastener. 2,881,498, 4-14-59, Cl. 24-130.
- Valentine, Ralph S., to California Research Corp. Separation of aromatic compounds by extractive distillation. 2,900,309, 8-18-59, Cl. 202-39.5.
- Valentine, Reginald, and H. G. Glover, to Coal Industry (Patents) Ltd. Apparatus for detecting carbon monoxide. 2,916,338, 12-8-59, Cl. 23-254.
- Valentine, William: See—  
Sieger, George M., Jr., Valentine, and Weidenheimer. 2,899,362.
- Valentine, William, and J. F. Weidenheimer, to American Cyanamid Co. Stable dry powder compositions containing choline chloride and methods of preparing same. 2,879,161, 3-24-59, Cl. 99-2.
- Valentine, William, and C. L. Stearns, to American Cyanamid Co. Gelatin capsule containing hexylresorcinol and a lower polyalkylene glycol. 2,889,252, 6-2-59, Cl. 167-83.
- Valentini, Luciano. Manufacturing a patterned rubber mat. 2,905,971, 9-29-59, Cl. 18-47.5.
- Valentini, Luciano. Manufacturing mats from rubber derivatives. 2,915,785, 12-8-59, Cl. 18-47.5.
- Valentino, Michael L.: See—  
Maryanski, John L., and Valentino. 2,868,550.
- Valentyne, Peter H., and C. A. Sunbom, to Baker Perkins Inc. Dough dividing apparatus. 2,902,950, 9-8-59, Cl. 107-15.
- Valenziano, Frank P.: See—  
Longley, James E., and Valenziano. 2,911,859.
- Valeton, Josue J. P.: See—  
Teer, Kees, and Valeton. 2,912,491.
- Valeton, Josue J. P., F. W. de Vrijer, and K. Teer, to North American Philips Co., Inc. Multiplex transmission system for the transmission of three signals. 2,870,248, 1-20-59, Cl. 178-5.2.
- Valette, Pierre P. A. Binocular cases. 2,907,363, 10-6-59, Cl. 150-52.
- Valguard Co., Inc.: See—  
Downin, Roland W. 2,905,949.
- Vallulis, Stanley B. Screw-holding screw driver. 2,890,733, 6-16-59, Cl. 145-50.
- Valko, Emery I., G. C. Tesoro, and E. D. Szubin, to Onyx Oil & Chemical Co. Water soluble basic polyamides and their alkylation products. 2,882,185, 4-14-59, Cl. 117-139.5.
- Valko, Emery I., G. C. Tesoro, and E. D. Szubin, to Onyx Oil & Chemical Co. Polymeric amide imidazolines and their alkylation products, and textiles coated therewith. 2,914,427, 11-24-59, Cl. 117-139.5.
- Vallak, Enn. Hot tops, feeders or sinking head boxes. 2,873,492, 2-17-59, Cl. 22-147.
- Vallas, Charles L., to The Cleveland Container Co. Spirally wound container tube. 2,891,714, 6-23-59, Cl. 229-51.
- Vallas, Charles L., to The Cleveland Container Co. Spiral container tube. 2,901,162, 8-25-59, Cl. 229-51.
- Vallee, Wendell L.: See—  
Stovern, Ingram V., and Vallee. 2,895,712.
- Valley, Bernard P.: See—  
Smith, Daniel J., and Valley. 2,905,218.
- Valley Engineering Corp.: See—  
Fielding, Ralph H., Jr. 2,892,034.
- Valley Pattern & Mfg. Co.: See—  
Johnson, Al, and Gauger. 2,873,655.
- Valliant, Charles B., and W. L. Scheimer, to Black, Sivalls & Bryson, Inc. Apparatus for separating fluids. 2,910,136, 10-27-59, Cl. 183-2.7.
- Vallino, Dominic J.: See—  
Stoddard, Edgar S., and Vallino. 2,906,685.
- Valverde, Robert. Electric switch with electro luminescent signal. 2,901,582, 8-25-59, Cl. 200-167.
- Valvo, Joseph F., and P. Hodson, to Apra Precipitator Corp. Collector-ionizer electrode. 2,870,861, 1-27-59, Cl. 183-7.
- Vally, Emery I. Shell molding machine. 2,867,867, 1-13-59, Cl. 22-20.
- Van Abbe, Henri H., to North American Philips Co., Inc. Transistor pulse generator. 2,890,403, 6-9-59, Cl. 321-2.
- Van Ackeren, Joseph, and E. J. Helm, to Koppers Co., Inc. Debenzozolizing and purifying wash oil with steam. 2,913,374, 11-17-59, Cl. 196-100.
- Vanadium-Alloys Steel Co.: See—  
Roberts, George A. 2,914,400.  
Roberts, George A., and Hamaker. 2,893,902.
- Vanadium Corp. of America: See—  
Dunn, Holbert E. 2,901,828.  
Rathmann, Heinrich W. Staggers, and Bruner. 2,909,427.  
Strauss, Jerome. 2,915,386.  
Vesper, Roland G. 2,895,336.
- Van Akkeren, Leon A., to Swift & Co. Rearrangement of lard with metal alcoholates. 2,872,463, 2-3-59, Cl. 260-410.7.
- Van Akkeren, Leon A., and H. J. Ast, to Swift & Co. Neutralizing and decolorizing lard interesterification reaction mixture. 2,878,274, 3-17-59, Cl. 260-410.7.
- Van Allen, De Witt T., to The George W. Borg Corp. Potentiometer. 2,912,663, 11-10-59, Cl. 338-170.
- Van Allan, James A.: See—  
Robertson, Earl M., and Van Allan. 2,870,011.
- Van Allan, James A., to Eastman Kodak Co. Stabilized photographic silver halide emulsions. 2,891,862, 6-23-59, Cl. 96-67.
- Van Allan, James A., and J. L. R. Williams, to Eastman Kodak Co. Photographic elements containing polymeric ultraviolet absorbing compounds. 2,882,150, 4-14-59, Cl. 96-11.



- Van Allen, Roland L.: See—  
Rochelle, Robert W., and Van Allen. 2,894,250.  
Van Allen, Roland L. Variable frequency transistor oscillator. 2,873,371, 2-10-59, Cl. 250-36.  
Van Allen, Roland L. Rotary shaft position indicator. 2,907,991, 10-6-59, Cl. 340-207.  
Van Alphen, Pieter M., J. van der Wal, and J. J. C. Hardenberg, to North American Philips Co., Inc. Device for X-ray examination. 2,874,300, 2-17-59, Cl. 250-65.  
Van Alphen, Pieter M., A. G. van Doorn, and J. C. Francken, to North American Philips Co., Inc. Colour television picture tube. 2,882,432, 4-14-59, Cl. 313-92.  
Van Alstyne, Alvin G., to Gillilan Bros., Inc. Position indication method and system. 2,881,356, 4-7-59, Cl. 315-22.  
Van Alstyne, Alvin G., and T. J. Johnson, to Gillilan Bros., Inc. Aircraft simulator for radar training. 2,889,636, 6-9-59, Cl. 35-10-4.  
Van Alstyne, Alvin G., to Gillilan Bros., Inc. Means and techniques for simulating flight and control of aircraft. 2,916,736, 12-8-59, Cl. 343-11.  
Van Amburg, William F., and M. D. Vincent, to Talon, Inc. Fastener guiding attachment for sewing machines. 2,894,469, 7-14-59, Cl. 112-136.  
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Theimer, Ernst T. 2,867,668.  
Weiss, Richard. 2,882,323.  
Van Amstel, Johannes J. A. P., to North American Philips Co., Inc. Method of alloying an electrode to a germanium semiconductor body. 2,887,416, 5-19-59, Cl. 148-15.  
Van Amstel, Johannes J. A. P., to North American Philips Co., Inc. Electrode system comprising crystal diodes or translators. 2,899,618, 8-11-59, Cl. 317-234.  
Vanant Co., Inc.: See—  
Van Antwerpen, Martin and L. D. 2,877,823.  
Wiedemeyer, George W. 2,908,437.  
Van Antwerp, Robert L., to V-M Corp. Record changers for phonographs. 2,918,288, 12-22-59, Cl. 274-10.  
Van Antwerpen, Lloyd D.: See—  
Van Antwerpen, Martin and L. D. 2,877,823.  
Van Antwerpen, Lloyd D. Carton with cushion cover flap. 2,877,942, 3-17-59, Cl. 229-14.  
Van Antwerpen, Lloyd D. Packaging strip and method for forming the same. 2,888,134, 5-26-59, Cl. 206-62.  
Van Antwerpen, Martin and L. D., to Vanant Co., Inc. Gluing and magnetic hold-down for cushioning strips. 2,877,823, 3-17-59, Cl. 154-18.  
Van Arsdell, Fred C., to The Quaker Oats Co. Continuous griddle cake baking apparatus. 2,899,914, 8-18-59, Cl. 107-4.  
Van Asselt, Robert L., and C. V. Gerdes, to Monsanto Chemical Co. Electrical current rectifier. 2,870,046, 1-20-59, Cl. 117-200.  
Van Atta, Chester M.: See—  
Glennon, James B., and Van Atta. 2,905,088.  
Van Atta, Chester M., E. R. Berlinger, and L. Smith, to United States of America, Atomic Energy Commission. Heavy ion linear accelerator. 2,867,748, 1-6-59, Cl. 315-542.  
Van Atta, Lester C., to Hughes Aircraft Co. Electromagnetic reflector. 2,908,002, 10-6-59, Cl. 343-776.  
Van Atta, Lester C., M. D. Adcock, and T. Kinaga, to Hughes Aircraft Co. Antenna system. 2,908,904, 10-13-59, Cl. 343-708.  
Van Auken, Harry B.: See—  
Strnad, James J., and Van Auken. 2,881,569.  
Van Ausdall, Carl. Automatic transmission. 2,886,977, 5-19-59, Cl. 74-217.  
Van Baarn, Paul S. Containers and closures therefor. 2,886,219, 5-12-59, Cl. 222-521.  
Van Barneveld, Evert J., and P. J. H. Janssen, to North American Philips Co., Inc. Device comprising an electric discharge tube having a pentode characteristic. 2,874,282, 2-17-59, Cl. 250-27.  
Van Beest, Adolf C., and J. W. Le Nobel, to Shell Development Co. Process for sweetening hydrocarbons with alkali hypochlorites, alkali hydroxides and alkali mercaptides. 2,903,422, 9-8-59, Cl. 208-190.  
Van Bennekum, Carl F.: See—  
Schultz, William J., and Van Bennekum. 2,900,463.  
Van Bergen, Jan A.: See—  
Ettema, Eelke H., and Van Bergen. 2,892,069.  
Ettema, Eelke H., and Van Bergen. 2,903,563.  
Van Berkum, Joannes B. M., to North American Philips Co., Inc. Tong comprising a remotely controlled gripping device detachably secured to a bar, and a holder adapted to the gripping device. 2,916,323, 12-8-59, Cl. 294-115.  
Van Blerkom, Leopold R., to Daystrom, Inc. Potentiometric measuring network. 2,906,951, 9-29-59, Cl. 324-63.  
Van Brode Milling Co., Inc.: See—  
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Van Buren, Edmund. Humidified air control system. 2,884,205, 4-28-59, Cl. 239-412.  
Van Buren, Harold S., Jr., to United-Carr Fastener Corp. Self threading fastening bearing a helix the leading end of which is rounded to initiate thread rolling. 2,901,938, 9-1-59, Cl. 85-32.  
Van Buren, Harold S., Jr., to United-Carr Fastener Corp. Fastening device. 2,903,815, 9-15-59, Cl. 45-138.  
Van Buren, Harold S., Jr., to United-Carr Fastener Corp. Fastening device. 2,909,352, 10-20-59, Cl. 248-239.  
Van Buren, Harold S., Jr., to United-Carr Fastener Corp. Fastener with washer assembled thereto by a fracturable projection. 2,913,951, 11-24-59, Cl. 85-36.  
Van Buren Machine Corp.: See—  
Frank, Anton R., and Giles. 2,911,774.  
Frank, Anton R., and Giles. 2,915,867.  
Van Buren, Myers, to Raymond International Inc. Grouting of reinforcements in post-tensioned concrete structures. 2,869,214, 1-20-59, Cl. 25-234.  
Van Buskirk & Co., Inc.: See—  
Van Buskirk, John D. 2,870,702.  
Van Buskirk, Ernest M., to International Harvester Co. Feed mechanism for cane harvesters. 2,912,811, 11-17-59, Cl. 56-15.  
Van Buskirk, John D., to Van Buskirk & Co., Inc. Article marking. 2,870,702, 1-27-59, Cl. 101-35.  
Van Buskirk, Leshar W. Digging teeth for excavating, dip-pers, etc. 2,891,333, 6-23-59, Cl. 37-142.  
Van Buskirk, Paul, to V. B. Grip Sales. Cable ferrule. 2,898,655, 8-11-59, Cl. 24-45.  
Vancamp, Raymond M., and A. P. Muren, Jr., to Columbia Southern Chemical Corp. Production of perchloroethylene and catalyst therefor. 2,914,576, 11-24-59, Cl. 260-654.  
Van Camp, Roscoe C., to Automatic Switch Co. Valve having resilient water-like disc closure. 2,893,685, 7-7-59, Cl. 251-334.  
Van Camp Sea Food Co., Inc.: See—  
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Johnson, Ray. 2,884,653.  
Johnson, Ray. 2,911,668.  
Van Campen, Marcus G., Jr.: See—  
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Allen, Robert E., Palopoli, Schumann, and Van Campen. 2,914,561.  
Allen, Robert E., Palopoli, Schumann, and Van Campen. 2,914,562.  
Allen, Robert E., Palopoli, Schumann, and Van Campen. 2,914,563.  
Allen, Robert E., Palopoli, Schumann, and Van Campen. 2,914,564.  
Tilford, Charles H., McCarty, and Van Campen. 2,894,949.  
Van Campen, Marcus G., Jr., and C. H. Tilford, to The Wm. S. Merrell Co. Alpha, alpha diaryl piperidine ethanol. 2,874,161, 2-17-59, Cl. 260-2947.  
Van Campen, Marcus G., Jr., R. E. Allen, F. P. Palopoli, and E. L. Schumann, to The Wm. S. Merrell Co. Guanil substituted triphenylethanes, triphenylethylenes and benzal-fluorenes. 2,877,269, 3-10-59, Cl. 260-564.  
Van Campen, R. T.: See—  
Capek, Louis E., and Van Campen. 2,869,153.  
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Vance, James C.: See—  
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Vance, James M., to Lockheed Aircraft Corp. Blind fastener having expansion ring beneath tapered pin head. 2,905,045, 9-22-59, Cl. 85-40.  
Vance, John E., to The Hoover Co. Combination suction cleaners. 2,898,621, 8-11-59, Cl. 15-324.  
Vance, Philip R.: See—  
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Vance, Robert F.: See—  
Olson, Earl R., and Vance. 2,885,310.  
Van Cleve, John W.: See—  
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Van Cleaf, William C., Jr., to Pittsburgh Plate Glass Co. Rotary brush sections. 2,877,481, 3-17-59, Cl. 15-181.  
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Van Dale Farm Machines, Inc.: See—  
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Van Dam, Max, to Auken Chemical & Film Corp. Heat-sensitive copying paper. 2,897,090, 7-28-59, Cl. 117-36.  
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Vandamme, Louis, and L. Rouyer, to Moulinsage et Retorderie de Chavanoz. Apparatus for the production of high-bulk yarn. 2,891,375, 6-23-59, Cl. 57-34.  
Van de Bilt, Pieter A., to Package Sealing Co. (Export) Ltd. Delivering wire or like flexible element from a coil. 2,893,657, 7-7-59, Cl. 242-128.  
Van de Graaff, Robert J., to High Voltage Engineering Corp. Gas target. 2,885,584, 5-5-59, Cl. 313-61.  
Van Deine, Paul A., to Staatsbedrijf der Posterijen, Tele-grafie en Telefonie. Magnetic modulator. 2,884,599, 4-28-59, Cl. 332-51.  
Van den Beemt, Jan H. Telescoping mast. 2,872,904, 2-10-59, Cl. 121-46.  
Vandenberg, Albert F. Automatic pulser. 2,880,278, 3-31-59, Cl. 179-90.  
Vandenberg, Cornelius E., to North American Aviation, Inc. Three dimensional variable exhaust nozzle. 2,914,914, 12-1-59, Cl. 60-35.6.  
Vandenberg, Edwin J., to Hercules Powder Co. Polymer phenol hydroperoxides. 2,911,387, 11-3-59, Cl. 260-47.  
Vandenberg, Edwin J., to Hercules Powder Co. Polymer hydroperoxides. 2,911,391, 11-3-59, Cl. 260-78.5.

- Vandenberg, Edwin J., to Hercules Powder Co. Polymer hydroperoxides. 2,911,398, 11-3-59, Cl. 260-93.5.  
Vandenberg, Edwin J., to Hercules Powder Co. Polymeriza-tion of ethylene with a catalyst of alkylaluminum and a V-a metal salt. 2,914,519, 11-24-59, Cl. 260-94.9.  
Vandenberg, Edwin J., to Hercules Powder Co. Polymeriza-tion of ethylene with a catalyst of alkyl aluminum and a group III-A metal salt. 2,914,520, 11-24-59, Cl. 260-94.9.  
Vandenberg, Howard L., and P. M. Karsten, to Allis-Chalmers Mfg. Co. Dynamoelectric machine. 2,870,357, 1-20-59, Cl. 310-269.  
Van Denberg, Thomas F.: See—  
Van Dorsak, John W., and Van Denberg. 2,895,760.  
Van den Bosch, Francois J. G. High fidelity loudspeaker. 2,897,292, 7-28-59, Cl. 179-115.5.  
Van Denburg, John W. Glare reducing device. 2,878,714, 3-24-59, Cl. 88-1.  
Vandenburg, Leonard B.: See—  
Luebke, Emmett A., and Vandenburg. 2,902,423.  
Vandenburg, Charles D., to American Viscose Corp. Liquid and gas separator. 2,869,674, 1-20-59, Cl. 183-2.5.  
Vandenburg, Charles D., to American Viscose Corp. Yarn guide. 2,896,579, 7-28-59, Cl. 242-157.  
Vandenburg, Charles D., to American Viscose Corp. De-gasifying liquids. 2,906,367, 9-29-59, Cl. 183-2.5.  
Van De Putte, Gerard H. A. R.: See—  
Jéquier, Léon J. R., and Van De Putte. 2,906,608.  
Vandeputte, John: See—  
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Dutcher, James D., Gold, Pagano, and Vandeputte. 2,908,612.  
Vander Arend, Peter C.: See—  
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Brooks, Lester A., and Bacon. 2,911,394.  
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- Van Der Linden, Frederick N. Pin strip dispensers. 2,885,114, 5-5-59, Cl. 221-71.
- Van der Mel, Wietse H., to Voigtlander A. G. Flashlamp device for photographic cameras. 2,871,775, 2-3-59, Cl. 95-11.5.
- Van der Meulen, Peter A., and P. B. Gilman, Jr., to United States of America, Air Force. Photosensitive composition. 2,874,047, 2-17-59, Cl. 96-94.
- Van der Neut, Jan H., and A. Renner, to Ciba Ltd. Hardenable mixtures of an epoxy resin and a resin from formaldehyde and an arylamine and hardened products therefrom. 2,881,149, 4-7-59, Cl. 260-43.2.
- Vander Ploeg, Alfred R., to Texaco Inc. Fluid contact coking in the presence of hydrogen produced by dehydrogenation of product gases. 2,895,896, 7-21-59, Cl. 208-53.
- Vanderpoel, Albert G. H., and H. J. Mailhot. Pressure regulator-filter device. 2,876,793, 3-10-59, Cl. 137-505.42.
- Van der Poel, Jan, to North American Philips Co., Inc. Electrical discharge tube. 2,917,652, 12-15-59, Cl. 313-260.
- Vander Pyl, Chester A., Jr., to See—
- Paton, Joseph H., Sherrill, and Vander Pyl. 2,901,949.
- Vander Pyl, Chester A., Jr., to Fram Corp. Method of curing porous, resin-treated pleated paper. 2,876,555, 3-10-59, Cl. 34-23.
- Vander Pyl, John R., E. P. Jastram, J. L. McMorrow, and J. E. Shockrook, to Metals & Controls Corp. Thermostatic switch. 2,870,294, 1-20-59, Cl. 200-120.
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- Van der Ster, Johannes, to North American Philips Co., Inc. Gas-fractionating system. 2,897,656, 8-4-59, Cl. 62-40.
- Van der Ster, Johannes, to North American Philips Co., Inc. Gas-fractionating column. 2,915,883, 12-8-59, Cl. 67-40.
- Van der Ster, Johannes, and J. W. L. Kohler, to North American Philips Co., Inc. Gas-fractionating system. 2,875,587, 3-3-59, Cl. 62-40.
- Van der Toet, Jan, to Tomado N. V. Apparatus for cutting potatoes or other tubers or fruits into strips. 2,884,976, 5-5-59, Cl. 146-169.
- Van der Velden, Anton M. J.: See—
- Rodenhuis, Wjbe, and van der Velden. 2,890,446.
- Vandervell Products Ltd.: See—
- Bonham, Frederick S. 2,870,533.
- Van der Voort, Henricus G. P., to Shell Development Co. Selective formic acid removal. 2,913,492, 11-17-59, Cl. 260-541.
- Vandervoort, Norman F., to The Mason Silk Co. Synthetic thread and method of producing the same. 2,911,784, 11-10-59, Cl. 57-140.
- Vanderwaart, Cornelius M.: See—
- Karkalita, Olin C., Jr., Vanderwaart, and Megson. 2,891,094.
- Vanderwal, Frank E., Jr., to White-Rodgers Co. Film winding device for projectors. 2,914,265, 11-24-59, Cl. 242-55.12.
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- Van Alphen, Pieter M., van der Wal, and Hardenberg. 2,874,300.
- Van der Wateren, Cornelius G., to Shell Development Co. Tubular waste-heat boiler. 2,906,509, 9-29-59, Cl. 257-246.
- Vander Zee, Christian J. Wiping device for outside rear-view mirrors. 2,913,754, 11-24-59, Cl. 15-253.
- Vandervee, Harry H., to AMI Inc. Magnetic selector. 2,880,003, 3-31-59, Cl. 274-10.
- Vande Sande, George, to General Railway Signal Co. Automatic switching system. 2,900,497, 8-18-59, Cl. 246-2.
- Vande Sande, George, and H. S. Wynn, to General Railway Signal Co. Relay shift register. 2,914,749, 11-24-59, Cl. 340-168.
- Van Dessel, Lodewijk A.: See—
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- Van Duen, Jules J., to Ford Motor Co. Valve gear. 2,908,261, 10-13-59, Cl. 123-90.
- Van Dusen, Edmund L. Silicone suspension and method of applying same to cooking utensils. 2,871,141, 1-27-59, Cl. 117-49.
- Van de Ven, Jan M. F., to Rotameter Mfg. Co. Ltd. Magnetic coupling devices. 2,880,411, 3-31-59, Cl. 340-378.
- Van Deventer, Christopher, III, to National Plastics, Inc. Loom sheaves. 2,907,353, 10-6-59, Cl. 139-82.
- Van Deventer, Harry R., and P. C. Bailey, to F. E. M. Ballon. Telephone answering and recording devices. 2,886,640, 5-12-59, Cl. 179-6.
- Van De Water, Frank G., to Glide Easy Mfg. Vise having opposed jaws each adjustable by a displaceable screw. 2,906,151, 9-29-59, Cl. 81-29.
- Van de Weg, Hendrik, to North American Philips Co., Inc. Cascaded transistor and vacuum tube amplifier. 2,881,267, 4-7-59, Cl. 179-171.
- Van Dijk, Christiaan P.: See—
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- Van Dijk, Pieter: See—
- Schrenk, Hans A., and Van Dijk. 2,893,198.
- Van Dijk, Pieter, to American Enka Corp. Yarn heating apparatus. 2,869,312, 1-20-59, Cl. 57-34.
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- Bruck, George, Harter, and Vandoch. 2,853,539.
- Van Dolah, Delos B.: See—
- Kaufman, Floyd L., Van Dolah, and Sharp. 2,898,961.
- Van Donk, Cornelius H. File drawers. 2,917,052, 12-15-59, Cl. 129-29.
- Van Donselaar, Wilhelmus H.: See—
- Reijnt, Maximilien F., and Van Donselaar. 2,907,903.
- Van Doorn, Adriaan G.: See—
- Van Alphen, Pieter M., van Doorn, and Francken. 2,882,432.
- Van Doorn, Adriaan G., H. Groendijk, and J. L. H. Jonker, to North American Philips Co., Inc. Image producing discharge device. 2,890,376, 6-9-59, Cl. 315-12.
- Van Doorn, Donald W.: See—
- Vandergriff, Arvel L., and Van Doorn. 2,912,720.
- Van Doorn, Donald W., to Lummus Cotton Gin Co. Bale tie and buckle. 2,908,058, 10-13-59, Cl. 24-21.
- Van Doorn, Donald W., and W. C. Pease, III, to Lummus Cotton Gin Co. Control system for baling presses and associated apparatus. 2,882,816, 4-21-59, Cl. 100-53.
- Van Doren, Phillip T., to C. K. Clauer. Facsimile scanner. 2,872,825, 2-10-59, Cl. 74-56.
- Van Dorn, Margery S.: See—
- Van Dorn, William E. 2,889,788.
- Van Dorn, Warren G., to Haloid Xerox Inc. Contact transfer for xerography. 2,886,464, 5-12-59, Cl. 117-17.5.
- Van Dorn, William E., M. S. Van Dorn, executrix. Double level tiller planter. 2,889,788, 6-9-59, Cl. 111-80.
- Van Dorsser, Arend H. D., and C. van Hoek, to Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. Apparatus for electrodialyzing liquids. 2,897,130, 7-28-59, Cl. 204-301.
- Van Dorsten, Adrianus C., to North American Philips Co., Inc. Variable magnetic electron lens. 2,880,324, 3-31-59, Cl. 250-49.5.
- Van Dorsten, Adrianus C., to North American Philips Co., Inc. Pole shoe for magnetic electron lens. 2,910,589, 10-27-59, Cl. 250-49.5.
- Van Dorsten, Adrianus C., to North American Philips Co., Inc. Electron microscope. 2,910,590, 10-27-59, Cl. 250-49.5.
- Van Dorsten, Adrianus C., to North American Philips Co., Inc. Element for correcting electron-optical systems. 2,914,675, 11-24-59, Cl. 250-49.5.
- Van Dorsten, Adrianus C., and A. J. J. Franken, to North American Philips Co., Inc. Device for compensating astigmatism in a magnetic electron lens. 2,910,603, 10-27-59, Cl. 313-84.
- Van Dresser Specialty Corp.: See—
- Reed, Clair S. 2,906,320.
- Shockey, Newton E., and Wilkins. 2,882,361.
- Vandreull, Oscar R.: See—
- Freeman, Howard G., and Vandreull. 2,912,217.
- Van Driel, John F., to Petcar Research Corp. Flame detector system. 2,903,682, 9-8-59, Cl. 340-227.
- Van Dusen, Frederick E., to Van Dale Farm Machines, Inc. Silo unloader having wall cleaning means. 2,888,253, 5-26-59, Cl. 262-9.
- Van Dusen, Frederick E., and J. M. McCann, said Van Dusen assor. to said McCann. Anti-clogging device. 2,876,043, 3-3-59, Cl. 302-56.
- Van Dusen, Harold A., Jr., to McGraw-Ellison Co. Noise eliminators for luminaires. 2,878,429, 3-17-59, Cl. 317-99.
- Van Duuren, Hendrik C. A., to Staatsbedrijf der Posterijen. Telegrafie en Telefonie. Rhythmic telegraph system. 2,903,514, 9-8-59, Cl. 178-23.
- Van Duuren, Hendrik C. A., to Staatsbedrijf der Posterijen. Telegrafie en Telefonie. Multiplex wireless telegraph system. 2,911,473, 11-3-59, Cl. 178-50.
- Van Duuren, Hendrik C. A., to Staatsbedrijf der Posterijen. Telegrafie en Telefonie. Type printing telegraph system with error correction. 2,912,498, 11-10-59, Cl. 178-23.
- Van Duuren, Hendrik C. A., to Staatsbedrijf der Posterijen. Telegrafie en Telefonie. Intelligence transmitting apparatus. 2,912,499, 11-10-59, Cl. 178-23.
- Van Duuren, Hendrik C. A., and A. Snijders, to Staatsbedrijf der Posterijen. Telegrafie en Telefonie. Cyclic tube counting circuit. 2,912,578, 11-10-59, Cl. 250-27.
- Van Duyn, Adrianus, to U.S. Slicing Machine Co., Inc. Compensating device for weighing apparatus. 2,891,779, 6-23-59, Cl. 265-49.

- Van Dyck, William J., to Badger Paper Mills, Inc. Shipping package for paper and to a carton specifically designed therefor. 2,880,866, 4-7-59, Cl. 206-83.5.
- Van Dyke, Lyle H. Holder for index and other pads. 2,915,841, 12-8-59, Cl. 40-102.
- Van Dyke, Orien W., to Magnet Cove Barium Corp. Drilling fluid. 2,895,911, 7-21-59, Cl. 252-8.5.
- Van Dyke, Ross E., and J. N. Wilson, to Shell Development Co. Catalytic cracking and improved catalyst therefor. 2,886,511, 5-12-59, Cl. 208-119.
- Van Eessel, Leon H. J.: See—
- Perlin, Gaston. 2,896,374.
- Van Eijk, Willem, E. G. G. Werner, and N. Max, to Shell Development Co. Preparation of alkali metal salts of diesters of phosphoric acid. 2,867,645, 1-6-59, Cl. 260-461.
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- Skonny, Sigmund J. 2,875,428.
- Van Epp, James E., to E. I. du Pont de Nemours and Co. Sealing composition comprising a mixture of brominated butyl rubber, polyisobutylene and carbon black, and method making same. 2,903,437, 9-8-59, Cl. 260-41.5.
- Van Erven Dorena, Eduard C., and J. C. Jansen, to Globex International Ltd. Process and apparatus for the manufacture of seamless filled capsules. 2,911,672, 11-10-59, Cl. 18-27.
- Van Essen, Harm: See—
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- Van Essen, Harold, N. F. Morehouse, J. P. Heedus, A. W. Waide, and T. W. Zbornik, to Dr. Salsbury's Laboratories. Cocciostatic remedies. 2,879,201, 3-24-59, Cl. 167-53.1.
- Vang, Alfred. Means and methods for igniting mercury pool in arc discharge switches and for eliminating misfire in operation, etc. 2,877,367, 3-10-59, Cl. 313-29.
- Van Geel, Theodorus L. C., and T. Holmes, to North American Philips Co., Inc. Electric lamp with flat terminal member. 2,886,629, 5-12-59, Cl. 174-50.52.
- Van Gelder, Dirk W., to Koninklijke Industriële Maatschappij voorheen Noury & Van Der Lande N.V. Gluconic acid monohydrate. 2,916,515, 12-8-59, Cl. 260-535.
- Van Gelder, Gozewijn: See—
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- Van Gerpen, Harlan W., to Deere & Co. Hydraulic apparatus. 2,892,311, 6-30-59, Cl. 60-52.
- Van Ginneken, Cornelis J. Installation for continuously mixing a powdery material with a viscous liquid, in particular meal with molasses. 2,887,305, 5-19-59, Cl. 259-24.
- Van Graafland, Milton I.: See—
- Kuhrt, Noel H., and Van Graafland. 2,871,124.
- Kuhrt, Noel H., and Van Graafland. 2,871,125.
- Kuhrt, Noel H., and Van Graafland. 2,871,128.
- Van Haagen, Richard H., to United States of America, Interior. Bi-directional electric counting system. 2,893,633, 7-7-59, Cl. 235-98.
- Van Haltern, Frank, Jr., to Scripto, Inc. Toggle actuated alternate push rocking latch mechanism for retractable ball pen. 2,898,887, 8-11-59, Cl. 120-42.3.
- Van Ham, Ernest E., to Jerguson Gage & Valve Co. Liquid level gauge for high pressure boilers. 2,917,923, 12-22-59, Cl. 73-331.
- Van Hartesveldt, Carroll H. Molding press guide system. 2,869,174, 1-20-59, Cl. 18-16.
- Van Hartesveldt, Carroll H. Mold construction. 2,869,179, 1-20-59, Cl. 18-34.
- Van Hartesveldt, Carroll H. Temperature control apparatus for a mold. 2,907,070, 10-6-59, Cl. 18-38.
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- Cowan, Gerald de G. 2,889,514.
- Van Hennik, Burtis W. Game apparatus. 2,886,320, 5-12-59, Cl. 273-96.
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- Van Hook, Charles F. Reel driving mechanism. 2,909,339, 10-20-59, Cl. 242-68.3.
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- Van Horn, John A.: See—
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- Van Horn, Maurice H.: See—
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- Van Houten, Arthur H.: See—
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- Van Hoy, George M.: See—
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- Vanity Fair Paper Mills, Inc.: See—
- Glinwright, Victor M. 2,918,887.
- Wemyss, James C., Jr., and Schumacher. 2,877,115.
- Van Keken, Elze E., to Combinatie N.V. En Amsterdamsche Bandoengsche & Nederlandsche Kininefabriek. Machine for stamping small objects. 2,895,409, 7-21-59, Cl. 101-44.
- Van Kirk, Fred W.: See—
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- Van Kleef, Hartog. Lower seal for glazed roofs or similar constructions. 2,883,946, 4-28-59, Cl. 108-16.3.
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- Van Krevelen, Edward R., to General Mills, Inc. Electrostatic testing of sheet materials. 2,890,409, 6-9-59, Cl. 324-54.
- Van Kuyk, Henricus J. L., to North American Philips Co., Inc. Device for measuring a physical quantity. 2,873,607, 2-17-59, Cl. 73-335.
- Van Laar, Jan A. W., and C. J. V. Apon, to North American Philips Co., Inc. Flash lamp coating process. 2,868,670, 1-13-59, Cl. 117-94.
- Van Lamoen, Franciscus L. J., and H. Borsten, to Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek ten Behoeve van Nijverheid, Handel en Verkeer. Dye bath and process for continuous dyeing. 2,892,669, 6-30-59, Cl. 8-34.
- Van Lare, Earl J.: See—
- Brooker, Leslie G. S., and Van Lare. 2,870,014.
- Van Leer, Oscar J.: See—
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- Van Leeuwen, Pieter, to North American Philips Co., Inc. Connecting strip. 2,886,745, 5-12-59, Cl. 317-112.
- Van Loenen, William F., to Kaiser Aluminum & Chemical Corp. Pressure vessel venting device. 2,872,298, 2-3-59, Cl. 23-290.
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- Van Overbeek, Adrianus J. W. M., and van Lottum. 2,890,353.
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- Van Meter, Theodore, to Vickers Inc. Power transmission. 2,916,041, 12-8-59, Cl. 137-117.
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- Van Mierlo, Stanislas, and H. H. Adelaar, to International Standard Electric Corp. Telecommunication system. 2,910,540, 10-27-59, Cl. 179-15.



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- Verhoff, Jacob, to North American Phillips Co., Inc. Friction clutch. 2,881,889, 4-14-59, Cl. 192-79.
- Verhoff, Jacob, to North American Phillips Co., Inc. Speed-reducing mechanism. 2,894,408, 7-14-59, Cl. 74-424.8.
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- Verley, Guy M., to Sinclair Refining Co. Oxidation inhibitor-detergent material. 2,916,418, 12-8-59, Cl. 252-32.7.
- Verloop, Hendrik N. F. Rotary atomizing burner apparatus for liquid fuel. 2,874,767, 2-24-59, Cl. 158-77.
- Vermeer, Gary J.: See—  
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- Vermette, Howard. Pipe cutters. 2,870,535, 1-27-59, Cl. 30-102.
- Vermette, Howard. Drill chuck with spring-loaded collet. 2,896,957, 7-28-59, Cl. 279-58.
- Vermette, Lucien D. Vehicle door lights. 2,918,565, 12-22-59, Cl. 240-71.
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- Vermeulen, William, to General Electric Co. Push button switch with time delay slider. 2,878,329, 3-17-59, Cl. 200-5.
- Vermillion, Herbert E.: See—  
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- Vermilye, Charles J.: See—  
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- Vernon, Lonnie W.: See—  
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- Vestermark, Lyle A., to PGAC Development Co. Wire line liquid or gas formation thief. 2,905,247, 9-22-59, Cl. 166-100.
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- Vickery, Ronald C., to Horizons Inc. Manufacture of dihydrogen phosphates. 2,899,292, 8-11-59, Cl. 71-41.
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- Vines, Oscar L., to Alford's Cartons. Collapsible cellular carton. 2,872,096, 2-3-59, Cl. 229-28.
- Vines, Oscar L., to Continental Paper Co. Carton. 2,875,937, 3-3-59, Cl. 229-16.
- Vines, Oscar L., to Continental Paper Co. Carton. 2,895,662, 7-21-59, Cl. 229-28.
- Vines, Oscar L., to Continental Paper Co. Cellular carton. 2,900,121, 8-18-59, Cl. 229-28.
- Vines, Oscar L., to Continental Paper Co. Carton. 2,901,155, 8-25-59, Cl. 229-16.
- Vines, Oscar L., to Continental Paper Co. Berry tray. 2,901,156, 8-25-59, Cl. 229-16.
- Vines, Oscar L., to Continental Paper Co. Carton. 2,907,510, 10-6-59, Cl. 229-16.
- Vines, Stanley V.: See—  
Daniel, Kenneth R., Patton, and Vines. 2,873,716.
- Vingerhoets, Antonius W. Luminescent screen. 2,882,413, 4-14-59, Cl. 250-80.
- Vingin, Stanley W. Automobile safety device. 2,918,543, 12-22-59, Cl. 200-51.
- Vinicky, Benedict M.: See—  
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- Vink, Jacobus: See—  
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- Vins, Jindrich. Plain bearing. 2,909,396, 10-20-59, Cl. 308-121.
- Vinson, Thomas L.: See—  
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- Vinton, William H., to E. I. du Pont de Nemours and Co. Process for the preparation of polyesters including alkyl benzoylbenzoate. 2,890,205, 6-9-59, Cl. 260-63.
- Vintschger, Francis, to United States of America, Navy. Buoyant marker for aerial tow target. 2,903,717, 9-15-59, Cl. 9-9.
- Violi, Paul, to United States Rubber Co. Vulcanization of butyl rubber with 2,2'-methylene-bis-(4-chloro-6-methylphenol). 2,918,448, 12-22-59, Cl. 260-43.
- Viola, Angelo: See—  
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- Viola, Gilbert A., Jr. Sliding door track. 2,877,511, 3-17-59, Cl. 20-19.
- Viola, Matthew J.: See—  
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- Viola, Rosalie: See—  
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- Virbila, William C., to The Bristol Co. Fluid pressure ratio controller and control system. 2,880,742, 4-7-59, Cl. 137-82.
- Viriden, William L., and R. B. Yankee. Fresh fruit dispenser. 2,880,598, 4-7-59, Cl. 62-291.
- Virginia-Carolina Chemical Corp.: See—  
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Burger, Alfred. 2,917,533.  
Harowitz, Charles L. 2,903,475.  
Heinrichs, Charles E. 2,903,131.  
Jenkins, Leslie H., and Sears. 2,873,171.
- Virginia Plastics and Chemical Co., Inc.: See—  
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- Viriot, Jacques, to Solvay & Cie. Process for the thermal chlorination of hydrocarbons. 2,898,384, 8-4-59, Cl. 260-658.
- Virkus, Robert M.: See—  
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- Virmond, Alexander. Perfumed-smoke producing bodies. 2,889,659, 6-9-59, Cl. 46-9.
- Viscardi, Bruno: See—  
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- Vischer, Alfred, Jr. Multiple fuse and method of manufacture. 2,898,424, 8-4-59, Cl. 200-125.
- Vischer, Alfred, Jr., 50% to W. Vischer, 50% to A. Vischer, III, 50% to P. Vischer, 50% to W. W. Zitzewitz, 50% to E. K. Zitzewitz, 50% to G. J. Zitzewitz, 50% to B. O. Zitzewitz, and 50% to G. V. Bonton. Pressurized vessel. 2,904,212, 9-15-59, Cl. 220-25.
- Vischer, Alfred, III: See—  
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- Vischer, Ernst: See—  
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- Vischer, Peter: See—  
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- Vischer, William: See—  
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- Visco, Louis, and F. P. Benz. Self-loading truck. 2,906,419, 9-29-59, Cl. 214-302.
- Visco Products Co.: See—  
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Kirkpatrick, Willard H. 2,881,204.  
Kirkpatrick, Willard H. 2,900,350.  
Kirkpatrick, Willard H., and Seale. 2,875,128.  
Kirkpatrick, Willard H., and Seale. 2,884,459.  
Kocher, Earl T. 2,911,434.
- Viscolosi, Louis. Weather strip for swinging double doors. 2,894,297, 7-14-59, Cl. 20-65.
- Visconti, Otto. Scissors. 2,873,526, 2-17-59, Cl. 30-254.
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- Vislrecord, Inc.: See—  
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- Visoekla, Vincent E., Jr. Extended level light. 2,877,555, 3-17-59, Cl. 33-73.
- Visos, Charles D.: See—  
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- Visscher, Jan H.: See—  
Vossnack, Ernst, and Visscher. 2,916,429.
- Visser, Bertus: See—  
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- Vissing, Eilann D. Cigarette lighters. 2,909,914, 10-27-59, Cl. 67-7.
- Vissing, Royal A. Cant-indicating mechanism. 2,876,546, 3-10-59, Cl. 33-50.
- Vissing, Royal A. Clutch and automatic torsional shock absorber. 2,888,119, 5-26-59, Cl. 192-68.
- Vistain, James E., Jr., to Admiral Corp. Phonograph record player control. 2,868,545, 1-13-59, Cl. 274-10.
- Vistain, James E., Jr., to Admiral Corp. Automatic record player mechanism. 2,868,547, 1-13-59, Cl. 274-15.
- Vistain, James E., Jr., to Admiral Corp. Phonograph record player trip mechanism. 2,898,111, 8-4-59, Cl. 274-1.
- Vistain, James E., Jr., to Admiral Corp. Pivoted post changer. 2,898,114, 8-4-59, Cl. 274-10.
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- "Visual" Plant Layouts Inc.: See—  
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- Vitale, Peter T., to Colgate-Palmolive Co. Detergent composition. 2,867,585, 1-6-59, Cl. 252-135.

- Vitalis, Emil A.: See—  
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Cardaciotto, Paul S., and Vitalis. 2,871,158.  
Carnes, Joseph J., and Vitalis. 2,887,504.
- Vitalis, Emil A., to American Cyanamid Co. Anti-soil repositioning agents. 2,874,124, 2-17-59, Cl. 252-110.
- Vitalis, Emil A., to American Cyanamid Co. Polyglycol-poly-ester treatment of textiles. 2,917,410, 12-15-59, Cl. 117-38.8.
- Vitalis, Emil A., and F. L. Andrew, to American Cyanamid Co. Hydrocarbon fuels containing sulfonate antifreeze compositions. 2,886,422, 5-12-59, Cl. 52-5.
- Vitalis, Emil A., and F. L. Andrew, to American Cyanamid Co. Hydrocarbon fuels containing betaine antifreeze compositions. 2,886,423, 5-12-59, Cl. 52-5.
- Vitalis, Emil A., and F. L. Andrew, to American Cyanamid Co. Liquid fuel compositions. 2,917,378, 12-15-59, Cl. 52-5.
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- Vitarama Corp.: See—  
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- Vitelli, Frank. Bending machines. 2,902,076, 9-1-59, Cl. 153-20.
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Fahnoe, Frederick, Shyne, and Fletcher. 2,906,682.  
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Rowland, Ralph W. 2,900,530.  
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- Vitrone, John, Jr.: See—  
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- Vittum, Paul W.: See—  
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- Vitu, James E., to Well Pump Co. Float-actuated electric switches. 2,878,335, 3-17-59, Cl. 200-84.
- Vivari, Joseph. Amusement and educational device. 2,899,910, 8-18-59, Cl. 104-150.
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- Vivian, Lloyd R., Jr.: See—  
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- Vizard, William C., to Barbour Welting Co. Method of making apparel belting. 2,912,700, 11-17-59, Cl. 2-338.
- Vizard, William C., to Barbour Welting Co. Apparel belt loop material. 2,912,701, 11-17-59, Cl. 2-338.
- Vlachos, Bertha V. Combined educational device and toy. 2,916,850, 12-15-59, Cl. 46-118.
- Vlachos, Constantinos H. Automotive vehicle power plant, chassis and running gear. 2,918,982, 12-29-59, Cl. 180-67.
- Vlannes, Nickolas P. Energy transfer mechanisms. 2,917,943, 12-22-59, Cl. 74-519.
- Vlasic, John G., to Sinclair Research Laboratories, Inc. Injection apparatus. 2,893,391, 7-7-59, Cl. 128-218.
- Vitavsky, Milan, to CKD Ceska Lipa narodni podnik. Sliding expansion contact device for supplying electric current from stationary to moving parts of machines. 2,881,403, 4-7-59, Cl. 339-9.
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- Vodicka, Vincent: See—  
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- Vodicka, Vincent, to General Electric Co. Electric discharge lamp and manufacture thereof. 2,892,956, 6-30-59, Cl. 313-109.
- Vodonik, Joseph L., to Industrial Rayon Corp. Method of heating a filament to produce a metal coating in a decomposable gas plating process. 2,877,138, 3-10-59, Cl. 117-93.
- Voeg, James E., and L. C. Thomas, to Bemis Bro. Bag Co. Bag. 2,888,187, 5-26-59, Cl. 229-66.
- Voegell, Henry E., to The American Brass Co. Metal wall construction. 2,901,063, 8-25-59, Cl. 189-34.
- Voegell, Wendelin L.: See—  
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- Voegtlin, Dieter, to Siemens and Halske Akt. Testing electrical circuits for ambiguity and completeness. 2,902,642, 9-1-59, Cl. 324-51.
- Voegtli, Walter, to G. D. Searle & Co. Basic amides of 3-thianaphthenecarboxylic acid. 2,876,235, 3-3-59, Cl. 260-330.5.
- Voegtli, Walter, and R. A. Robinson, to G. D. Searle & Co. Heterocyclic esters of 3,4,5-trimethoxybenzoic acid. 2,907,764, 10-6-59, Cl. 260-268.
- Voeks, Orville A. Electric cable staple. 2,901,200, 8-25-59, Cl. 248-74.
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- Voelker, John G., to Crown Cork & Seal Co., Inc. Filling head. 2,896,675, 7-28-59, Cl. 141-39.
- Voell, Louis A., 1/2 to S. Gallagher. Telephone device. 2,907,827, 10-6-59, Cl. 179-1.
- Voester, Reinhold and W., and W. Schmid, to Vereinigte Baubeschlagfabriken Gretsch & Co. Adjustable door closer. 2,872,695, 2-10-59, Cl. 16-55.
- Voester, Walter: See—  
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- Voet, Andries, to J. M. Huber Corp. High carbon printing inks. 2,891,872, 6-23-59, Cl. 106-28.
- Voet, Andries, to J. M. Huber Corp. Long flow carbon. 2,893,887, 7-7-59, Cl. 106-307.
- Vogdt, Kurt D. O., to W. Bahlisen. Apparatus for distributing pasty material. 2,876,039, 3-3-59, Cl. 299-63.
- Vogel, Alvin R.: See—  
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- Vogel, Alvin R. Controllably expandable and removable fastener. 2,872,838, 2-10-59, Cl. 85-2.
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Jucker, Ernst, Rissi, Suess, Vogel, and Wolff. 2,883,389.
- Vogel, Arthur E., 1/2 to Dawson-Vogel Engineering Co., 1/4 to P. Fultz, and 1/4 to W. H. F. Schmieding. Stabilizing apparatus for vehicles. 2,886,342, 5-12-59, Cl. 280-112.
- Vogel, Arthur E., 1/2 to Dawson-Vogel Engineering Co., 1/4 to W. H. F. Schmieding, and 1/4 to P. Fultz. Hydraulic anti-tilting apparatus for controlling vehicle suspension. 2,903,271, 9-8-59, Cl. 280-112.
- Vogel, Charles B., to Shell Development Co. Hydrophobe detector. 2,915,738, 12-1-59, Cl. 340-17.
- Vogel, Charles J., to Garco Inc. Adjustable feed mechanism for an autographic register. 2,884,263, 4-28-59, Cl. 282-15.
- Vogel, Clarence E.: See—  
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- Vogel, Henry A.: See—  
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- Vogel, Henry A., to Pittsburgh Plate Glass Co. System for coating metals with polyurethane resins. 2,910,381, 10-27-59, Cl. 117-75.
- Vogel, Henry A., and H. G. Bittle, to Pittsburgh Plate Glass Co. Coating composition comprising a vinyl halide polymer and an aldehyde-reacted polymer of acrylamide and metallic surface coated therewith. 2,870,116, 1-20-59, Cl. 260-45.5.
- Vogel, Henry A., H. G. Bittle, and R. M. Christenson, to Pittsburgh Plate Glass Co. Coating composition comprising an epoxy resin and an aldehyde-reacted polymer of acrylamide and metallic surface coated therewith. 2,870,117, 1-20-59, Cl. 260-45.5.
- Vogel, Lee C.: See—  
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- Vogel, Leo G. Apparatus for coating and conveying doughnuts. 2,878,776, 3-24-59, Cl. 118-24.
- Vogel, Leo G. Apparatus for washing conveyors and the like. 2,881,463, 4-14-59, Cl. 15-302.
- Vogel, Leo G. Box erecting and loading apparatus. 2,906,075, 9-29-59, Cl. 53-186.
- Vogel, Ludwig: See—  
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- Vogel, Milton C.: See—  
Vogel, William K., and M. C. 2,885,967.
- Vogel, Norman A., to International Business Machines Corp. Air head. 2,886,651, 5-12-59, Cl. 179-100.2.
- Vogel, Norman A., to International Business Machines Corp. Access mechanism. 2,897,484, 7-28-59, Cl. 340-174.
- Vogel, P., & Cie: See—  
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- Vogel, Paul R. Filing and display device. 2,876,780, 3-10-59, Cl. 129-16.
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- Vogel-Peterson Co.: See—  
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- Vogel, Raimund, and K. Mohler. Preparation of protein products from fish materials. 2,875,061, 2-24-59, Cl. 59-7.
- Vogel, Ralph A. Apparatus for supplying additives to lubricating system. 2,898,902, 8-11-59, Cl. 123-196.
- Vogel, Reinhard E. Process for the manufacture of cast resins of urea-formaldehyde and the like, and resins so produced. 2,915,503, 12-1-59, Cl. 260-70.
- Vogel, Richard, to VEB Schlepperwerk Nordhausen. Hydraulic distributor. 2,911,006, 11-3-59, Cl. 137-622.
- Vogel, Richard C.: See—  
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- Vogel, Rudolf T., to Gutchoffnungshutte Sterkrade Akt. Torsion nit prop. 2,890,854, 6-16-59, Cl. 248-356.
- Vogel, Vernon H., to Robertshaw-Fulton Controls Co. Electro-mechanical position indicator system. 2,886,750, 5-12-59, Cl. 318-16.
- Vogel, William D., and C. Rausch, Lighting Specialties, Inc. Lampshade. 2,895,040, 7-14-59, Cl. 240-138.
- Vogel, William K., and M. C., to Santa Anita Mfg. Co. Spiral type pump means. 2,885,967, 5-12-59, Cl. 103-149.
- Vogelaar, Bernard F.: See—  
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- Voogd, Maarten, to Shell Development Co. Wrapping. 2,894,363, 7-14-59, Cl. 53-228.
- Voorhees, Albert, and E. F. Scott, to American Cyanamid Co. Oxidation-in-grain color emulsions. 2,899,261, 8-11-59, Cl. 8-62.
- Voorhees, Bertram G.: See—
- Krystian, Karol J., Lauritsen, and Voorhees. 2,914,705.
- Voorhees, John E., and A. M. Rockwood, to Cavalier Corp. Vending machine. 2,879,961, 3-24-59, Cl. 221-16.
- Voorhees, Temple S. Method and means relating to high capacity forced draft gas burner art. 2,889,871, 6-9-59, Cl. 158-109.
- Voorhies, Alexis, Jr.: See—
- Kittleson, Allen R., Thomas, and Voorhies. 2,916,478.
- Steffen, Frederick W., Kimberlin, Buchmann, and Voorhies. 2,908,636.
- Voorhies, Alexis, Jr., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Process and apparatus for conversion of heavy oil with coke particles in two stages employing inert and catalytic coke solids. 2,904,499, 9-15-59, Cl. 208-55.
- Voorhies, Carl. Valve lifter. Re. 24,633, 4-14-59, Cl. 123-90.
- Voorhis-Tiebout Co., Inc.: See—
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- Vordahl, Milton B.: See—
- Bomberger, Howard B., and Vordahl. 2,876,144.
- Jaffee, Robert L., Ogden, and Vordahl. 2,892,705.
- Vordahl, Milton B., to Crucible Steel Co. of America. Titanium base alloys. 2,880,089, 3-31-59, Cl. 75-175.5.
- Voreaux, Paul J. Gear-changing devices. 2,917,940, 12-22-59, Cl. 74-472.
- Vorech, Margaret: See—
- Vorech, Stephen. 2,897,010.
- Vorech, Stephen. 2,897,012.
- Vorech, Stephen. 2,914,240.
- Vorech, Stephen, deceased, by M. Vorech, administratrix, to Bendix-Westinghouse Automotive Air Brake Co. Fluid pressure braking system for tractor-trailer vehicles. 2,897,010, 7-28-59, Cl. 303-10.
- Vorech, Stephen, deceased, by M. Vorech, administratrix, to Bendix-Westinghouse Automotive Air Brake Co. Relay emergency valve. 2,897,012, 7-28-59, Cl. 303-29.
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- Vorkauf, Heinrich. Tubular steam boiler. 2,887,095, 5-19-59, Cl. 122-235.
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- Vorperian, Hrand: See—
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- Vorwerk & Co.: See—
- Rohrbach, Fritz. 2,870,355.
- Vorwerk, Herman J. Combined tank and stanchion. 2,890-812, 6-18-59, Cl. 220-69.
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- Vosbikian, Peter S. and T. S. Mops of the extractor type. 2,883,689, 4-28-59, Cl. 15-119.
- Vosbikian, Peter S. and T. S. Holders and valve controlling mechanism for pressurized containers. 2,884,166, 4-28-59, Cl. 222-323.
- Vosbikian, Peter S. and T. S. Mops with foldable sponge material and extracting mechanism. 2,887,704, 5-26-59, Cl. 15-116.
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- Vosbikian, Peter S. and T. S. Universal cleaners and polishers. 2,893,029, 7-7-59, Cl. 15-118.
- Vosbikian, Peter S. and T. S. Mop handle connection with mop body portion. 2,893,033, 7-7-59, Cl. 15-144.
- Vosbikian, Peter S. and T. S. Device for feeding liquid to a working tool. 2,893,607, 7-7-59, Cl. 222-191.
- Vosbikian, Peter S. and T. S. Mops with replaceable mop heads and extractor mechanism. 2,895,152, 7-21-59, Cl. 15-116.
- Vosbikian, Peter S. and T. S. Replaceable mop heads. 2,912,710, 11-17-59, Cl. 15-244.
- Vosbikian, Peter S. and T. S. Clothes holders. 2,916,158, 12-8-59, Cl. 211-86.
- Vosbikian, Thomas S.: See—
- Vosbikian, Peter S. and T. S. 2,883,689.
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- Voss, Elmer W. Vehicle actuated mechanism for garage doors. 2,873,111, 2-10-59, Cl. 268-37.
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- Zwiefel, Henry C., Voss, and Gower. 2,898,298.
- Voss, Joseph F.: See—
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- Voss, Wendell G., and F. C. Ellinger, to Ferro Corp. Porcelain enamels. 2,898,218, 8-4-59, Cl. 106-48.
- Vosberg, Carl A. Rolling mill thickness control system. 2,883,895, 4-28-59, Cl. 80-56.
- Vosberg, Carl A. Synchronized recycling detector for pulsed energy. 2,901,630, 8-25-59, Cl. 250-83.3.
- Vossel, Peter: See—
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- Vossen, Bernd, to Melpar, Inc. Automatic machinery. 2,868,413, 1-13-59, Cl. 221-9.
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- Vossen, Edward, to Stop-Motion Devices Corp. Adjustable tension regulator for yarn. 2,912,185, 11-10-59, Cl. 242-150.
- Vossenberg, Frank A., to The Yale & Towne Mfg. Co. Platform pivoting means for industrial truck. 2,896,806, 7-28-59, Cl. 214-730.
- Vossieck, Paul: See—
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- Vöster, Walter: See—
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- Votaw, Clarence J.: See—
- Kaufman, Arthur W., and Votaw. 2,912,485.
- Voullaire, Izak J. Method and means for the wrapping of articles such as fruit with paper. 2,915,861, 12-8-59, Cl. 53-34.
- Voutselas, Theodore: See—
- Stoddart, Hugh F., Cordingly, and Voutselas. 2,880,379.
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- Vowles, Philip N., to The Solar Engineering & Equipment Co. Registration apparatus for stencil decorating machines. 2,882,818, 4-21-59, Cl. 101-126.
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- Vrana, Charles. Ventilated food receptacle and cover. 2,903,034, 9-8-59, Cl. 150-52.
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- Vredenburg, Edrie W. Weighing mechanism. 2,879,970, 3-31-59, Cl. 249-60.
- Vredenburg-Ingleby, Julius Cato: See—
- Fries, Gustav. 2,917,645.
- Vreugdenhil, Adrianus. Signal lamp. 2,898,449, 8-4-59, Cl. 240-7.5.
- Vroman, Erwin C., to The New York Air Brake Co. Sand trap. 2,892,651, 6-30-59, Cl. 291-11.
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- Vullemienot, Robert P., to Malden Form Brassiere Co., Inc. Cardboard boxes. 2,894,673, 7-14-59, Cl. 229-36.
- Vullemienot, Robert P., to The Procter & Gamble Co. Container cover. 2,913,140, 11-17-59, Cl. 220-60.
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- Taylor, John H. 2,908,179.
- Vulcan Radiator Co., The: See—
- Pierce, Joseph D. 2,876,890.
- Vulcan Research Corp.: See—
- Westling, Carl J. 2,868,397.
- Vulcan Trailers Mfg. Co., Inc.: See—
- Simpson, John A. 2,904,340.
- Vulliez, Paul. Method of forming surface alloys on metallic articles. 2,910,382, 10-27-59, Cl. 117-94.

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- Beukema, Willem, and Vuurmans. 2,909,830.
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- Vyverberg, Robert G., and J. F. Rosenthal, to Haloid Xerox Inc. Xerographic plate conditioning apparatus. 2,919,119, 12-29-59, Cl. 257-274.
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- Dubsky, Borivoj, and Straka. 2,902,768.
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- Klaboch, Ladislav, and Stastny. 2,904,997.
- Kloud, Jan. 2,895,316.
- Plsek, Vladimir. 2,886,972.
- Schön, Richard. 2,919,051.
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- Doerpinghaus, Ernst H. 2,903,625.
- WBAL Division, The Hearst Corp.: See—
- Wilner, John T. 2,881,248.
- W. B. W. Tool Co., The: See—
- Braun, Ralph A. 2,889,866.
- W & M Corp.: See—
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- Waag, Harry O.: See—
- France, Stanley R., and Waag. 2,878,659.
- Waagepetersen, Gaston B. F. Tube holder. 2,896,823, 7-28-59, Cl. 222-105.
- Waale, Hans C. Observatory having suction means to reduce connection currents. 2,887,781, 5-26-59, Cl. 20-1.
- Waalkes, Robert J., and A. E. Kietzmann, to Hart & Cooley Mfg. Co. Baseboard diffuser. 2,902,919, 9-8-59, Cl. 98-40.
- Waara, Otto M. Garden and lawn tool. 2,884,278, 4-28-59, Cl. 294-51.
- Waas, Heinrich, J. Ehlers, and O. Grim. Ice breaking ship. 2,902,964, 9-8-59, Cl. 114-40.
- Waas, Samuel M., to Manley, Inc. Kettle assembly for popcorn machines. 2,902,920, 9-8-59, Cl. 99-238.4.
- Wabeke, Samuel. Abrading apparatus. 2,915,852, 12-8-59, Cl. 51-7.
- Wachenfeld, Hugo: See—
- Florenz, Johann. 2,911,297.
- Wacholz, Helmut, to Praha Gesellschaft für Praktische Lagerstättenforschung G.m.b.H. Electrodynamical transducers for vibrations transmitted through solids. 2,913,701, 11-17-59, Cl. 340-17.
- Wachi, Tsuneo: See—
- Ueda, Takeo, Wachi, and Ito. 2,877,219.
- Wachob, Ray T., to E. I. du Pont de Nemours and Co. Drum handling mechanism. 2,886,273, 5-12-59, Cl. 248-129.
- Wachs, Herman, to Food Machinery and Chemical Corp. Method of preparing oil free synergized pyrethrin composition. 2,894,870, 7-14-59, Cl. 167-24.
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- Wachs, Miller A., to United Aircraft Corp. Rigid shaft coupling. 2,872,227, 2-3-59, Cl. 287-119.
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- Wachsmuth, Erich A., to Joy Mfg. Co. Starting mechanism for compressor. 2,918,788, 12-29-59, Cl. 60-16.
- Wacht, Andrew J. Toggle press. 2,887,949, 5-26-59, Cl. 100-257.
- Wacht, Raymond J.: See—
- Sibley, John R., and Wacht. 2,885,054.
- Wachtel, Anselm, to Westinghouse Electric Corp. Phosphor. 2,874,128, 2-17-59, Cl. 252-301.6.
- Wachtel, Gerard: See—
- Ganzler, Martin, and Wachtel. 2,873,195.
- Wachtel, Milton M., to Westinghouse Electric Corp. Electron discharge tube structure. 2,879,406, 3-24-59, Cl. 250-213.
- Wachtel, William L.: See—
- Stewart, William D., Pondexter, and Wachtel. 2,915,519.
- Wachter, Bertram A. Interchangeable letter sign. 2,876,571, 3-10-59, Cl. 40-143.
- Wachter, Paul H., Jr. Closure attachment for exhaust pipes. 2,887,032, 5-19-59, Cl. 98-60.
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- Wachtler, Maximilian. Direction finder with visual indication. 2,880,415, 3-31-59, Cl. 343-113.
- Wack, Floyd W., to Stark Ceramics, Inc. Device for observing kiln temperatures. 2,907,209, 10-6-59, Cl. 73-341.
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- Wacker-Chemie G.m.b.H.: See—
- Buttner, Franz, and Enk. 2,867,653.
- Enk, Eduard, and Nitzsche. 2,877,254.
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- Lebsanft, Kurt, and Schmidt. 2,901,383.
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- Wacker, Herbert E., to General Motors Corp. Cooling system for multi-engine power plant. 2,906,097, 9-29-59, Cl. 60-97.
- Wacker, Wilhelm, F. Guillot, and G. A. Hempel, to Lohmann K.G. Method and device for superposing of fibre-fleeces. 2,889,583, 6-9-59, Cl. 19-161.
- Wackher, Richard C.: See—
- Bloch, Herman S., and Wackher. 2,908,719.
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- Smrl, Richard L., and Waclawek. 2,890,600.
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- Charbonneau, Willson A., and Velesky. 2,876,406.
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- Waco Mfg. Co.: See—
- Clark, Neil M. 2,887,758.
- Morris, Donald B. 2,917,108.
- Waddan, Dhair Y.: See—
- Stewart, David G., Waddan, and Borrowa. 2,870,100.
- Waddell Construction Co., Inc.: See—
- Waddell, Robert E. and J. B. 2,879,985.
- Waddell, Herbert H.: See—
- Johnson, Kenneth O., Nuber, Waddell, and Millar. 2,880,593.
- Waddell, James A. Coaster wagon. 2,872,205, 2-3-59, Cl. 280-87.01.
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- Waddell, James M.: See—
- Mayer, Simon E., and Waddell. 2,907,885.
- Waddell, Mathis T.: See—
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- Cler, Harry E., and Waddell. 2,891,894.
- Heinrich, Raymond L., and Waddell. 2,891,401.
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- Waddill, Paul M., to Phillips Petroleum Co. Distillation. 2,897,146, 7-28-59, Cl. 208-364.
- Waddill, Paul M., to Phillips Petroleum Co. Vacuum distillation. 2,901,425, 8-25-59, Cl. 208-353.
- Waddill, Paul M., and W. E. Barr, to Phillips Petroleum Co. Vaporization with condensation of vapors and recovery of resulting condensate in an external guard zone. 2,901,426, 8-25-59, Cl. 208-355.
- Waddington, Roger S., and B. Duval. Fluid handling device. 2,893,444, 7-7-59, Cl. 141-89.
- Waddington, William, to The British Thomson-Houston Co. Ltd. Dynamo electric machines. 2,903,609, 9-8-59, Cl. 310-64.
- Waddle, Howard M., J. F. Cotton, and R. E. Hudson, Jr., to West Point Mfg. Co. Process for preventing aldehyde odors. 2,870,041, 1-20-59, Cl. 117-62.
- Wade, Douglas R. Automatic power transmission for miniature vehicles. 2,893,252, 7-7-59, Cl. 74-230.17.
- Wade Electric Products Co.: See—
- Laete, Edward J. 2,880,284.
- Long, Jasper. 2,875,318.
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- Wade Engineering Ltd.: See—
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- Tunncliffe, Edward A. J., and Densham. 2,875,946.
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- France, Rollin C., and Wade. 2,873,602.
- Wade, Harold P., to The Standard Products Co. Latch bolt structure. 2,912,272, 11-10-59, Cl. 292-340.
- Wade, John B., to Food Machinery and Chemical Corp. Fabricated impeller for pumps. 2,882,829, 4-21-59, Cl. 103-115.
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- Wade, R. M., & Co.: See—
- Cornelius, Gall. 2,879,082.
- Wade, Raymond H., and R. C. Niswonger. Burring tools. 2,907,234, 10-6-59, Cl. 77-73.
- Wade, Richard L.: See—
- Kwartler, Irwin E., and Wade. 2,898,919.
- Wade, Robert C., to Metal Hydrides Inc. Method for improving production of oil wells. 2,872,982, 2-10-59, Cl. 166-38.
- Wade, Robert E., 1/2 to W. C. Wade. Pickup for traveling baler. 2,896,391, 7-28-59, Cl. 56-364.



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Markham, Charles W., Jr., Meyer, and Wade. 2,896,233.
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- Wade, Worth, to American Viscose Corp. Apparatus for recovering waste coated fibers. 2,895,176, 7-21-59, Cl. 19-66.
- Wade, Worth, to American Viscose Corp. Fibrous webs and method for their production. 2,903,387, 9-8-59, Cl. 154-101.
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- Wadellton, Edwin F., to Deere & Co. Offset wheel harrow. 2,886,115, 5-12-59, Cl. 172-383.
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- Wadia, Behram H., to Machlett Laboratories, Inc. Electron discharge devices. 2,879,430, 3-24-59, Cl. 313-293.
- Wadia, Behram H., and E. J. Naill, to Machlett Laboratories, Inc. Getters for electron tubes. 2,898,501, 8-4-59, Cl. 313-174.
- Wadley, Edward F.: See—  
Horecz, Joseph T., and Wadley. 2,900,403.
- Wadley, Edward F., to Esso Research and Engineering Co. Process for the production of lubricating oils by solvent extraction. 2,902,443, 9-1-59, Cl. 208-312.
- Wadley, Trevor L., to South African Council for Scientific and Industrial Research. Determining relative position by means of transit time of waves. 2,907,999, 10-6-59, Cl. 343-12.
- Wadlow, Derek N., to Rotaprint Ltd. Offset lithographic printing machines. 2,898,853, 8-11-59, Cl. 101-217.
- Wadman, William H.: See—  
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- Wadsworth Electric Mfg. Co. Inc. The: See—  
Middendorf, William H. 2,916,678.
- Wadsworth, Francis T.: See—  
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- Wadsworth, Francis T., to The American Oil Co. Preparation of alkylbenzenes. 2,881,226, 4-7-59, Cl. 260-665.
- Wadsworth, Raymond H.: See—  
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- Wadsworth, William B., and F. R. Poole. Ear protectors. 2,899,653, 8-18-59, Cl. 2-209.
- Waechter, Charles J.: See—  
Fomper, Anthony W., and Waechter. 2,895,552.
- Waeo Ltd.: See—  
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- Waelinitz, Otto: See—  
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- Wagemann, Heinrich, to Monroe Calculating Machine Co. Decimal point mechanism. 2,917,232, 12-15-59, Cl. 235-60.15.
- Wagener, Charles F.: See—  
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- Wagenfeld, Gilbert B. Sanitary head covering. 2,869,135, 1-20-59, Cl. 2-174.
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- Wager, Helen M. Copy holder. 2,893,351, 7-7-59, Cl. 120-28.
- Wagers, Beverly T., 1/4 to J. Noland. Roller skate brake attachment. 2,872,201, 2-3-59, Cl. 280-11.2.
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- Wagner, Adam, to Ernst Leitz, G.m.b.H. Flashlight attachments for cameras. 2,881,685, 4-14-59, Cl. 95-11.5.
- Wagner, Adolph A., to R & B Wagner Inc. Pipe railing attaching fittings. 2,881,016, 4-7-59, Cl. 287-23.
- Wagner, Adolph A., to R & B Wagner Inc. End caps for pipe railings. 2,917,084, 12-15-59, Cl. 138-89.
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- Wagner, Albin O., to VEB Tullgardinen-und Spitzenwerke. Comb for guiding the bobbin carriages in bobbinet machines. 2,893,286, 7-7-59, Cl. 87-27.
- Wagner, Annemarie, and S. Petersen, to Farbenfabriken Bayer Akt. 4-[3-phenyl and 3-(chlorophenyl)-1-pyrazolyl]-benzoic acid, lower alkyl benzoates or benzonitrile and brightening therewith. 2,879,174, 3-24-59, Cl. 117-33.5.
- Wagner, Arthur F.: See—  
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Holly, Frederick W., Wagner, Walton, and Hoffman. 2,875,239.
- Walton, Edward, and Wagner. 2,875,227.
- Wagner, Arthur F., to Merck & Co. Inc. Addition product of a metal hydrocarbon mercaptide with an alpha-halo-gamma-butyrolactone. 2,872,458, 2-3-59, Cl. 260-347.2.
- Wagner, Arthur F., to Merck & Co. Inc. Benzofuran-derivatives. 2,892,847, 6-30-59, Cl. 260-346.2.
- Wagner, Arthur F., to Merck & Co. Inc. Synthesis of mevalonic acid. 2,915,533, 12-1-59, Cl. 260-343.5.
- Wagner, Arthur: See—  
Schwarzwalder, Karl, and Wagner. 2,877,135.
- Wagner Brothers Inc.: See—  
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- Wagner, Carman J. Massage device. 2,902,993, 9-8-59, Cl. 128-33.
- Wagner, Charles L., to General Motors Corp. Fuel system. 2,879,047, 3-24-59, Cl. 261-34.
- Wagner, Chester. Pressure cooking apparatus. 2,914,063, 11-24-59, Cl. 126-381.
- Wagner, Clarence E., to United States of America, Air Force. Design for a stainless steel or aluminum gas generator wall spraying system for combustion chamber. 2,902,823, 9-8-59, Cl. 60-35.6.
- Wagner, Donald W.: See—  
Smith, Augustus B., Roberts, Wagner, and Stine. 2,871,126.
- Wagner, Earl L.: See—  
Randolph, Glenn W., and Wagner. 2,909,066.
- Wagner, Eddie B., to Mixermobile Manufacturers, Inc. Loader vehicle. 2,914,202, 11-24-59, Cl. 214-140.
- Wagner, Edgar R. Television picture tubes. 2,907,918, 10-6-59, Cl. 315-22.
- Wagner, Edgar R., to Metals and Chemicals Corp. Non-ferrous scrap treatment. 2,912,305, 11-10-59, Cl. 23-147.
- Wagner, Edward F., to Studebaker-Packard Corp. Torsion bar hinge assembly. 2,916,763, 12-15-59, Cl. 10-180.
- Wagner, Edwin J., Jr.: See—  
Pirsh, Edward A., and Wagner. 2,875,992.
- Wagner Electric Corp.: See—  
Freeman, Walter R. 2,903,100.  
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Schnell, Steve. 2,876,625.
- Wagner, Elijah R., to United States Steel Corp. System for supplying oxygen to blast furnace tuyeres. 2,879,056, 3-24-59, Cl. 266-29.
- Wagner, Elmer K., to The Ingersoll Milling Machine Co. Remote control apparatus. 2,869,110, 1-13-59, Cl. 340-172.
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Fuchs, Emanuel. 2,910,810.
- Wagner, Erich, to W. Ferd Klingelberg, Sohne. Gear tester. 2,909,844, 10-27-59, Cl. 33-179.5.
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- Wagner, Ernest A., and A. H. Freeman, to General Electric Co. Cooking appliance grid mounting. 2,903,959, 9-15-59, Cl. 99-376.
- Wagner, Ernest E. Variable speed constant torque fluid drive. 2,900,060, 8-18-59, Cl. 192-58.
- Wagner, Ernst, and H. Westlinning, to Deutsche Gold- und Silber-Scheldeanstalt vormals Roessler. Natural rubber composition containing a pyrogenically formed mixture of silica and another metal oxide and process of preparation. 2,898,391, 8-4-59, Cl. 260-782.
- Wagner, Erwin V., to Wagner Sign Service, Inc. Exchangeable display sign. 2,892,277, 6-30-59, Cl. 40-140.
- Wagner, Forrest L. Weld-clearing tools. 2,908,962, 10-20-59, Cl. 29-81.
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- Walen, Nicholas, Jr.: See—  
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- Walentine, Joseph L., and C. H. F. Morris, Jr., to Radio Corp. of America. Magnetic device. 2,882,519, 4-14-59, Cl. 340-174.
- Wales, George F.: See—  
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- Schott, Arthur K. 2,893,488.
- Welsbeck, Ralph L. 2,876,837.
- Zumwalt, Robert F. 2,874,954.
- Zumwalt, Robert F. 2,899,194.
- Wales, George F. Differential liquid spring. 2,905,461, 9-22-59, Cl. 267-64.
- Wales, Nathaniel B., to Industrial Patent Corp. Self-refrigerating container. 2,898,747, 8-11-59, Cl. 62-294.
- Wales, Nathaniel B. Automatic counterbalancing system. 2,910,335, 10-27-59, Cl. 312-306.
- Wales, Nathaniel B. Rapid testing device for multiconductor electric cables. 2,912,648, 11-10-59, Cl. 324-73.
- Wales, Nathaniel B., Jr., to Monroe Calculating Machine Co. Sequence switch. 2,888,528, 5-26-59, Cl. 200-11.
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- Wales-Strippit Corp.: See—  
Taylor, Paul H. 2,866,999.
- Taylor, Paul H. 2,867,276.
- Waljohn Plastics, Inc.: See—  
Novelo, John. 2,918,988.
- Walk, Emil J. Shaft coupling with symmetrical load distribution. 2,870,615, 1-27-59, Cl. 64-19.
- Walker, Alan B.: See—  
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- Walker, Alan B., to The Garrett Corp. Boarding ramp. 2,914,779, 12-1-59, Cl. 9-11.
- Walker, Benjamin M.: See—  
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- Walker, Bernard F., R. C. Ward, and D. J. Godehn, to American Enka Corp. Viscose spinning device. 2,905,968, 9-29-59, Cl. 18-8.
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- Sackett, Loren C. 2,907,948.
- Schultz, Henry J. 2,918,968.
- Walker, Brooks. Cable connected auxiliary vehicle suspension. 2,872,209, 2-3-59, Cl. 280-124.
- Walker, Brooks. Venetian blind slat route. 2,872,975, 2-10-59, Cl. 160-173.
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- Walker, Brooks. Barbecue rotisserie. 2,887,944, 5-26-59, Cl. 99-421.
- Walker, Brooks. Spring adapters for shock absorbers. 2,889,144, 6-2-59, Cl. 267-8.
- Walker, Brooks. Venetian blind. 2,892,493, 6-30-59, Cl. 160-177.
- Walker, Brooks. Auxiliary vehicle suspension incorporating a coil spring mounted around a shock absorber. 2,892,636, 6-30-59, Cl. 280-124.
- Walker, Brooks, to Monroe Auto Equipment Co. Spring adapters for shock absorbers. 2,896,938, 7-28-59, Cl. 267-8.
- Walker, Brooks. Vehicle luggage compartment. 2,901,285, 8-25-59, Cl. 296-37.
- Walker, Brooks. Speedometer in line of sight. 2,912,059, 11-10-59, Cl. 180-90.
- Walker, Brooks, to Monroe Auto Equipment Co. Automatic auxiliary support for a vehicle. 2,912,235, 11-10-59, Cl. 267-8.
- Walker, Charles R.: See—  
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- Walker, Charles R., to The Fox Paper Co. Crumpling device. 2,882,802, 4-21-59, Cl. 93-1.
- Walker, Charles W. E.: See—  
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- Walker, Clarence O.: See—  
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- Walker, Claude E., to Northrop Aircraft, Inc. Gyro. 2,871,703, 2-3-59, Cl. 74-5.6.
- Walker, Clifford R., to Sanders Associates, Inc. Apparatus for cutting module riser wires. 2,918,836, 12-29-59, Cl. 83-563.
- Walker, Clinton S.: See—  
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- Walker, Crosweiler & Co. Ltd.: See—  
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- Walker, Cyril H., and M. G. Clarke, to The British Thomson-Houston Co. Ltd. Devices for amplifying or converting radiation. 2,870,342, 1-20-59, Cl. 250-213.
- Walker, David D.: See—  
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- Garrison, James O., and Walker. 2,911,223.
- Garrison, Ralph P., and J. O., and Walker. 2,885,212.
- Walker, David D., to Garrison Machine Works, Inc. Diaphragm chuck. 2,890,653, 6-9-59, Cl. 279-1.
- Walker, David E., and R. A. Noland, to United States of America, Atomic Energy Commission. Method of electropolishing uranium. 2,894,883, 7-14-59, Cl. 204-1.5.
- Walker, Delos A., and C. E. Patton, to International Harvester Co. Cotton picker spindle shield structure. 2,876,612, 3-10-59, Cl. 56-50.
- Walker, Derek W. R. Floating structures. 2,892,433, 6-30-59, Cl. 114-43.5.
- Walker, Dunaway H. Boat fender. 2,900,946, 8-25-59, Cl. 114-220.
- Walker, Dunaway H. Tensioning device. 2,907,549, 10-6-59, Cl. 254-65.
- Walker, Elbert S.: See—  
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- Walker, Emil C., Jr., to Comptometer Corp. Flexible coupling for shafts. 2,872,225, 2-3-59, Cl. 287-85.
- Walker, Eugene J., and H. E. Reichert, to Westinghouse Electric Corp. Circuit breaker. 2,892,054, 6-23-59, Cl. 200-88.
- Walker, Frederick W., P. C. Cady, and L. B. Johnston, to Owens-Corning Fiberglass Corp. Method and apparatus for forming complex glass fiber and resin shapes. 2,881,110, 4-7-59, Cl. 154-110.
- Walker, George A., to International Business Machines Corp. Single element print head. 2,902,132, 9-1-59, Cl. 197-52.
- Walker, George S.: See—  
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- Williamson, David T. S., Shepherd, and Walker. 2,886,717.
- Walker, Godfrey B.: See—  
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- Walker, Harold N., and A. S. Parkhurst. Vacuum cigarette stub disposer. 2,874,702, 2-24-59, Cl. 131-235.



- Walker, Harry L., to Phillips Petroleum Co. Vapor liquid disengager and distributor. 2,874,798, 2-24-59, Cl. 183-30.
- Walker, Herbert S., to The W. E. Bassett Co. Case for tool. 2,903,791, 9-15-59, Cl. 30-155.
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- Walker, Hermann. Tool holder. 2,900,705, 8-25-59, Cl. 29-96.
- Walker, Hiram, & Sons, Inc.: See—  
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Neureuther, George C. 2,880,091.  
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- Walker, Hugh O., Jr., to The Texas Co. Reflection seismic exploration method. 2,885,023, 5-5-59, Cl. 181-5.
- Walker, James H. Means and method for making tubes from a thermoplastic material. 2,900,665, 8-25-59, Cl. 18-19.
- Walker, James H., S. W. Carr, and C. H. Horn, to Lismark Corp. Marking stripe and method of applying same. 2,898,825, 8-11-59, Cl. 94-1.5.
- Walker, James J., to Haloid Xerox Inc. Xerographic development process. 2,889,234, 6-2-59, Cl. 117-17.5.
- Walker, James R., to G. H. Cork. Push button actuator. 2,881,402, 4-7-59, Cl. 336-136.
- Walker, James R. Double hung window mount. 2,883,715, 4-28-59, Cl. 20-52.2.
- Walker, James T.: See—  
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- Walker, Jay P., to National Tank Co. Sealing structures. 2,914,149, 11-24-59, Cl. 189-36.
- Walker, John E., to H. B. L. Silverman. Railroad car. 2,883,945, 4-28-59, Cl. 105-368.
- Walker, John L.: See—  
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- Walker, John R.: See—  
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- Walker, John R., to Cable Belt Ltd. Cable belt conveyors. 2,893,541, 7-7-59, Cl. 198-191.
- Walker, Joseph B. Panoramic television cameras. 2,905,758, 9-22-59, Cl. 178-7.2.
- Walker, Laurence R.: See—  
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- Walker, Leander H. Method of processing grape juice, etc. 2,903,372, 9-8-59, Cl. 99-217.
- Walker, Leander H. System of mixing liquid ingredients. 2,903,248, 9-8-59, Cl. 259-10.
- Walker, Lloyd B., to Canadian Car Co. Ltd. Vehicle pneumatic suspension system. 2,902,291, 9-1-59, Cl. 250-124.
- Walker Mfg. Co. of Wisconsin: See—  
Arnes, Lyle L. 2,888,743.  
Powers, Walter H. 2,891,580.
- Walek, Gustav H., Niebergall, and Tietz. 2,907,121.
- Walker, Matthew P. Soil excavating apparatus. 2,880,894, 4-7-59, Cl. 214-138.
- Walker, Merle H.: See—  
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- Walker, Norman K., to Advanced Research Associates, Inc. Encapsulated semiconductor assembly. 2,903,629, 9-8-59, Cl. 317-234.
- Walker, Norman K., to Advanced Research Associates, Inc. Jet deflecting apparatus. 2,916,873, 12-15-59, Cl. 60-35.54.
- Walker, O. S., Co., Inc.: See—  
Briggs, Charles D. 2,918,610.  
Gotha, Daniel F. 2,883,197.
- Walker, Patricia P., and H. Laub, III, to Cecil Investment Co. Massage and exercise machine. 2,893,380, 7-7-59, Cl. 128-25.
- Walker, Richard E., to A. B. C. Specialty Co. Colostomy device. 2,868,204, 1-13-59, Cl. 128-253.
- Walker, Richard K.: See—  
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- Walker, Richard M., to Microwave Associates, Inc. Electric discharge devices. 2,903,623, 9-8-59, Cl. 315-39.
- Walker, Robert D., to Daystrom, Inc. Combination spring abutment and pointer-securing means for electrical instruments. 2,890,416, 6-9-59, Cl. 324-154.
- Walker, Robert K. Apparatus for drilling laterals from well shafts. 2,889,137, 6-2-59, Cl. 255-20.
- Walker, Robert M., to International Business Machines Corp. Information storage systems. 2,886,798, 5-12-59, Cl. 340-173.
- Walker, Robert M., to International Business Machines Corp. Electrostatic switching apparatus. 2,891,153, 6-16-59, Cl. 250-27.
- Walker, Robert R.: See—  
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- Walker, Roland M.: See—  
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- Walker, Rowland: See—  
Brook, Leonard, and Walker. 2,875,567.
- Walker, Russell W., to Sinclair Refining Co. Method for purifying durenene. 2,914,586, 11-24-59, Cl. 260-674.
- Walker, Russell W., to Sinclair Refining Co. Method of recovering durenene by crystallization and purifying it by washing with a solvent at low temperature. 2,914,582, 11-24-59, Cl. 260-674.
- Walker, Russell W., to Sinclair Refining Co. Process for producing durenene of at least 99% purity comprising passing inert gas through a durenene cake after solvent washing said cake to 90-98% purity. 2,914,583, 11-24-59, Cl. 260-674.
- Walker, Samuel J., to Chicago Railway Equipment Co. Railway brake beam. 2,855,036, 5-5-59, Cl. 188-223.1.
- Walker Supply & Mfg. Co.: See—  
Walker, Walter B. 2,899,028.
- Walker, Sydney J.: See—  
Harris, Michael G., and Walker. 2,899,177.
- Walker, Thomas, to Thomas Walker, Ltd. Hook fastenings for the waistbands of trousers. 2,886,873, 5-19-59, Cl. 24-227.
- Walker, Thomas B., and R. E. English, to Isaac Braithwaite & Son Engineers Ltd. Power operated pressing machines. 2,897,652, 8-4-59, Cl. 60-97.
- Walker, Thomas H.: See—  
Chittleburgh, William F. S., Walker, and Jessop. 2,918,529.
- Walker, Thomas, Ltd.: See—  
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- Walker, W. Roland: See—  
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- Walker, Walter B., to Walker Supply & Mfg. Co. Panel construction. 2,899,028, 8-11-59, Cl. 189-34.
- Walker, Willard F., to The Cleveland Container Co. Convolutely wound container and method of manufacture. 2,898,025, 8-4-59, Cl. 229-4.5.
- Walker, Willard R. Dish washers. 2,893,408, 7-7-59, Cl. 134-57.
- Walker, William E. Tank cleaner. 2,915,085, 12-1-59, Cl. 137-577.5.
- Walker, William E., and C. Shoreys, to Radio Corp. of America. Multiplex communication system. 2,905,760, 9-22-59, Cl. 178-50.
- Walker, William E., Jr. Slip jacket for foundry molds. 2,874,426, 2-24-59, Cl. 22-112.
- Walker, William J. Means for mixing liquids. 2,911,993, 11-10-59, Cl. 137-101.25.
- Walker, William J. and R. M. T. O'D. Duggan, and A. I. Archer. Apparatus for the determination of polynomial functions and the solution of algebraic equations. 2,868,448, 1-13-59, Cl. 235-61.
- Walker, William R.: See—  
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- Walker, William R., to The Habcock & Wilcox Co. Method of lubricating a pierced extrusion billet. 2,908,385, 10-12-59, Cl. 207-10.
- Walkinshaw, William, and L. B. Mullett, to United States of America, Atomic Energy Commission. Loaded waveguides for linear accelerators. 2,916,710, 12-8-59, Cl. 333-31.
- Walking, Helmut, to Schumag Schumacher Metallwerke Gesellschaft mit beschränkter Haftung. Centerless-grinding machines for cylindrical work pieces. 2,890,377, 7-28-59, Cl. 51-103.
- Walking, Helmut, to Schumag Schumacher Metallwerke G.m.b.H. Tool-spindle journal, particularly in centerless grinding machines. 2,909,014, 10-20-59, Cl. 51-168.
- Walke, Kenneth H., to General Electric Co. Domestic appliance. 2,907,859, 10-6-59, Cl. 219-20.
- Walke, Lewis E.: See—  
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- Walke, Lewis E., to Haloid Xerox Inc. Charging device. 2,879,395, 3-24-59, Cl. 250-49.5.
- Walke, Lewis E., to Haloid Xerox Inc. Xerographic transfer process. 2,892,708, 6-30-59, Cl. 96-1.
- Walke, Lewis E., to Haloid Xerox Inc. Xerographic transfer method. 2,919,191, 12-29-59, Cl. 96-1.
- Wall Colmonoy Corp.: See—  
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Gonser, Homer S., Jr. 2,868,639.
- Wall, David A., to I-T-E Circuit Breaker Co. Momentary contact adapter for auxiliary switch. 2,885,500, 5-5-59, Cl. 200-6.
- Wall, David A., to I-T-E Circuit Breaker Co. Momentary contact adapter for auxiliary switch. 2,912,528, 11-10-59, Cl. 200-6.
- Wall, James R.: See—  
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- Wall, James R., and R. D. Powell, to General Motors Corp. Flow control mechanism. 2,904,063, 9-15-59, Cl. 137-392.
- Wall, Marion P., and H. D. Becker, to Combustion Engineering, Inc. Suspension support for expandable vessels. 2,876,925, 3-10-59, Cl. 220-18.
- Wall, Mary F., and J. P. Hume, said Hume assor. to said Wall. Culinary utensils. 2,871,848, 2-3-59, Cl. 126-215.
- Wall, Monroe E.: See—  
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Rothman, Edward S., and Wall. 2,899,428.
- Wall, Monroe E., to United States of America, Agriculture. Method for preparing pregnenones. 2,902,496, 9-1-59, Cl. 260-397.3.
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- Wall, Monroe E., and H. E. Kenney, to United States of America, Agriculture. Process for purification of partially hydrolyzed steroidal saponins. 2,895,953, 7-21-59, Cl. 260-210.5.
- Wall, P. Mfg. Co.: See—  
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- Wall, Robert L.: See—  
Pleozzi, Vincent J., Spooner, and Wall. 2,886,721.
- Wall, Robert L., to General Electric Co. Acoustically treated motor. 2,881,337, 4-7-59, Cl. 310-57.
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- Wall, T., & Sons Ltd.: See—  
Trower, Mervyn H. 2,889,032.
- Wall, Virgil W.: See—  
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- Wall, William C., to E. I. du Pont de Nemours and Co. Tubeless pneumatic tire. 2,913,034, 11-17-59, Cl. 152-366.
- Wallace, Bernard E. Adjustable leg or the like. 2,896,982, 7-28-59, Cl. 287-55.
- Wallace, David J.: See—  
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- Wallace, Edgar C. Method of making investment castings. 2,880,486, 4-7-59, Cl. 22-196.
- Wallace, Edward. Shears. 2,873,525, 2-17-59, Cl. 30-248.
- Wallace, Frank B. Ear mounted hearing aid device. 2,874,231, 2-17-59, Cl. 179-107.
- Wallace, Frank C., to H. H. Helbush, and to E. R. Livingston. Detachable handle for gas-loaded dispensing containers. 2,877,934, 3-17-59, Cl. 222-323.
- Wallace, Frank C., to H. H. Helbush and E. R. Livingston. Lock nut having contractible core actuatable in two locking positions. 2,882,948, 4-21-59, Cl. 151-19.
- Wallace, Frederick J., to American Cystoscope Makers, Inc. Electrosurgical instrument. 2,888,017, 5-26-59, Cl. 128-303.15.
- Wallace, Frederick J., to American Cystoscope Makers, Inc. Surgical retaining device. 2,898,917, 8-11-59, Cl. 128-350.
- Wallace, Frederick J., to American Cystoscope Makers, Inc. Combined ureteral stone remover and drain. 2,918,919, 12-29-59, Cl. 128-328.
- Wallace, Glen W., and A. A. Kuzmitz, to Bendix Aviation Corp. Emergency safety mechanism for fuel control devices. 2,880,580, 4-7-59, Cl. 60-39.28.
- Wallace, H. W., & Co. Ltd.: See—  
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- Wallace, Henry W., to General Electric Co. Blanket over-heat protector. 2,914,645, 11-24-59, Cl. 219-20.
- Wallace, James B.: See—  
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- Wallace, James M., to Westinghouse Electric Corp. Polyphase circuit interrupter. 2,871,414, 1-27-59, Cl. 317-22.
- Wallace, James M., to Westinghouse Electric Corp. Instrument frame structure. 2,909,729, 10-20-59, Cl. 324-137.
- Wallace, James M., Jr., to Kilde Mfg. Co., Inc. Fluid pressure control and relief valve. 2,884,941, 5-5-59, Cl. 137-116.3.
- Wallace, James M., Jr., to The Goodyear Tire & Rubber Co. Vinyl halide resin containing a substituted tin mercaptide. 2,888,435, 5-26-59, Cl. 260-45.75.
- Wallace, Jeffrey J., to Gullett Gln Co. Stick remover attachment for cotton extractors and combination of extractor and stick remover. 2,898,636, 8-11-59, Cl. 19-37.
- Wallace, Jeffrey J., to Gullett Gln Co. Cotton precleaning apparatus for removing sticks, green leaves, and like trash. 2,902,722, 9-8-59, Cl. 19-67.
- Wallace, John, and D. R. Lane, to Burroughs Corp. Article feeding apparatus. 2,905,516, 9-22-59, Cl. 312-97.
- Wallace, John D.: See—  
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- Wallace, John H., to U.S. Electrical Motors, Inc. System for controlling induction motor speeds. 2,895,096, 7-14-59, Cl. 318-146.
- Wallace, John W.: See—  
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- Wallace, Kenneth R., to Essex Wire Corp. Electric switch. 2,900,460, 8-18-59, Cl. 200-6.
- Wallace, Marcel, to Panoramic Radio Products, Inc. Proximity indicator. 2,886,796, 5-12-59, Cl. 340-27.
- Wallace, Milner W., to International Telephone and Telegraph Corp. Cold cathode discharge tube. 2,903,624, 9-8-59, Cl. 315-84.6.
- Wallace, R., & Sons Mfg. Co.: See—  
Bakos, Joseph A., McGuire, and Kense. 2,868,042.
- Wallace, Richard A., to Burroughs Corp. Mobile and stationary furniture support. 2,879,075, 3-24-59, Cl. 280-44.
- Wallace, Robert E., Sr. Portable compound pressure booster. 2,869,326, 1-20-59, Cl. 60-54.5.
- Wallace, Robert L., Jr.: See—  
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- Wallace, Robert T., to Owens-Illinois Glass Co. Closure assembly. 2,893,456, 7-7-59, Cl. 150-5.
- Wallace, Thomas H.: See—  
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- Wallace & Tiernan Inc.: See—  
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- Wald, Henry C., Joiner, and Parker. 2,903,361.
- Wald, John V., Childress, and Reiser. 2,881,166.
- Wallace, Vard B., to Vard Products Inc. Drafting machine indexing means. 2,900,728, 8-25-59, Cl. 33-79.
- Wallace, William, Co.: See—  
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- Wallace, William E., to General Aniline & Film Corp. Process of preparing 8-amino-1-naphthosulfonamides. 2,902,487, 9-1-59, Cl. 260-247.1.
- Wallace, William G.: See—  
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- Wallace, William G., and H. Skantze, to Aluminium Laboratories Ltd. Electrolyte for aluminum reduction. 2,915,443, 12-1-59, Cl. 204-67.
- Wallach, Bernard H. Skid indicator for vehicles. 2,869,852, 1-20-59, Cl. 264-1.
- Wallack, Stanley, to United States of America, Army. Dosimeter. 2,902,605, 9-1-59, Cl. 250-83.
- Wallberg, Marshall: See—  
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- Wallberg, Marshall, to Western Electric Co., Inc. Article feeding device and guiding mechanism. 2,916,125, 12-8-59, Cl. 193-40.
- Wallbillich, Jacob R. Tool for opening money sacks and packages. 2,913,822, 11-24-59, Cl. 30-294.
- Wallbox, Gustav A. Water-soluble fish bait and method. 2,874,048, 2-17-59, Cl. 99-3.
- Wallen, Emil O., L., to Leje & Thurne Aktiebolag. Apparatus for separating solid particles suspended in a liquid. 2,869,728, 1-20-59, Cl. 210-526.
- Wallen, Emil O., L., to Leje & Thurne Aktiebolag. Method of treating fibre pulp for the production of fibre products such as paper, fibre boards and the like. 2,887,430, 5-19-59, Cl. 162-149.
- Wallenberg, Fritz, to General Aniline & Film Corp. Roller positioning apparatus for coating machines. 2,915,038, 12-1-59, Cl. 118-249.
- Wallenfank, Kurt, to Steatit-Magnesia Akt. Automatic measuring device for inductors. 2,902,645, 9-1-59, Cl. 324-59.
- Wallenhorst, Richard G.: See—  
Dupre, Henry P., Reischer, and Wallenhorst. 2,868,051.
- Waller, Arnold, to Albatros Superfosfaatfabriken N.V. Weighing appliance. 2,914,290, 11-24-59, Cl. 249-2.
- Waller, Campbell E.: See—  
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- Waller, Campbell E., to The Cincinnati Milling Machine Co. Automatic indexing mechanism. 2,885,910, 5-12-59, Cl. 74-817.
- Waller, Doris: See—  
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- Waller, George J. Ball and throwing stick. 2,902,023, 9-1-59, Cl. 124-5.
- Waller, Joseph B. Bottle carrying case. 2,886,202, 5-12-59, Cl. 226-21.
- Waller, Loren B., to Wil Flo Co. Material spreaders and seeders. 2,919,054, 12-29-59, Cl. 222-135.
- Waller, Milford S.: See—  
Rollins, Harry G., and Waller. 2,916,182.
- Waller, Philip H. Cord retaining device. 2,918,228, 12-22-59, Cl. 242-85.1.
- Waller, Richard C., to The Goodyear Tire & Rubber Co. Method of bonding cord to rubber. 2,917,422, 12-15-59, Cl. 154-90.
- Wallerstedt, Richard J., to Premier Furnace Co. Register or air diffuser. 2,909,982, 10-27-59, Cl. 98-40.
- Walles, Wilhelm E., and W. F. Tounignant, to The Dow Chemical Co. Clarification of beverages. 2,872,321, 2-3-59, Cl. 99-48.
- Walles, Wilhelm E., and W. F. Tounignant, to The Dow Chemical Co. Clarification of beverages. 2,872,322, 2-3-59, Cl. 99-48.
- Walles, Wilhelm E., and W. F. Tounignant, to The Dow Chemical Co. Clarification of beverages. 2,873,192, 2-10-59, Cl. 99-28.
- Walles, Wilhelm E., W. F. Tounignant, and T. Houtman, Jr., to The Dow Chemical Co. Process for the preparation of N-vinyl cyclic amides, carbamates, and lactams. 2,891,058, 6-16-59, Cl. 260-239.3.
- Walles, Wilhelm E., W. F. Tounignant, and T. Houtman, Jr., to The Dow Chemical Co. N-vinyl-x-alkyl-2-oxazolidinone compounds. 2,919,279, 12-29-59, Cl. 260-307.
- Walley, John K.: See—  
Greenhalgh, Norman, and Walley. 2,899,356.
- Walley, Keith H., and G. H. Reman, to Shell Development Co. Rotary contactor. 2,912,310, 11-10-59, Cl. 23-270.5.
- Wallgren, Charles W., to Sun Oil Co. Process for preparing rubber compositions containing clay having adsorbed petroleum hydrocarbons. 2,919,256, 12-29-59, Cl. 260-28.5.
- Wallick, George C.: See—  
Aronofsky, Julius S., Wallick, and Reichertz. 2,867,116.
- Wallin, Arthur S., to Hydrometals, Inc. Coll holder. 2,874,916, 2-24-59, Cl. 242-75.51.
- Wallin, Curtiss C., to Sun Oil Co. Purification of aromatic hydrocarbons using a two stage solid adsorption process. 2,892,001, 6-23-59, Cl. 260-674.



- Wallin, Curtiss C., to Sun Oil Co. Liquid-gas contact reactor. 2,917,372, 12-15-59, Cl. 23-285.
- Wallin, Francis T. Neck seal. 2,895,467, 7-21-59, Cl. 128-30.
- Wallin, John M.: See—  
Claridge, Elmond L., and Wallin. 2,886,523.
- Wallin, Sven: See—  
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Larsson, Gustaf, and Wallin. 2,880,036.  
Larsson, Gustaf, and Wallin. 2,887,178.
- Wallin, Sven W.: See—  
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- Wallin, Walter, to Panavision, Inc. Anamorphosing system. 2,890,622, 6-16-59, Cl. 88-57.
- Wallin, William W.: See—  
Ciccone, Patsy, and Wallin. 2,909,209.
- Walling, Cheves T., L. F. McKenney, and R. Geitz, to Lever Brothers Co. Preparation of acyl taurides. 2,903,466, 9-8-59, Cl. 260-401.
- Walling, Francis L.: See—  
Mayer, Eugene O., Walling, and Van Ness. 2,882,848.
- Walling, Irvin H.: See—  
Schroer, Walter E., Trybinski, and Walling. 2,902,039.
- Wallis, Barnes N. Aerodyne with wings having variable sweep-back. 2,915,261, 12-1-59, Cl. 244-46.
- Wallis, Bernard J.: See—  
Ott, Ernst G., and Wallis. 2,884,962.
- Wallis, Cyril T.: See—  
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- Wallis, Cyril T., to General Motors Corp. Windshield wiper blade assembly. 2,876,478, 3-10-59, Cl. 15-245.
- Wallis, Cyril T., to General Motors Corp. Windshield wiper cable drive assembly. 2,880,445, 4-7-59, Cl. 15-253.
- Wallis, Cyril T., to General Motors Corp. Windshield wiper blade assembly. 2,901,761, 9-1-59, Cl. 15-245.
- Wallis, George L. Apparatus for distributing fertilizer, seeds, or powder or liquid substances on the ground. 2,906,437, 9-29-59, Cl. 222-177.
- Wallis, John S.: See—  
Throckmorton, John W., and Wallis. 2,902,981.
- Wallis, Ruth L. Garment display device. 2,889,970, 6-9-59, Cl. 223-68.
- Wallmark, John T., to Radio Corp. of America. Semiconductor devices. 2,875,384, 2-24-59, Cl. 317-234.
- Wallmark, John T., to Radio Corp. of America. Field-effect transistor. 2,900,531, 8-18-59, Cl. 307-88.5.
- Walls, Joseph J., to Clark Equipment Co. Dual tire wheel. 2,918,328, 12-22-59, Cl. 301-13.
- Walls, Patrick J. Transportable lifter. 2,886,286, 5-12-59, Cl. 254-127.
- Walls, Walter. Drilling string float valve. 2,870,784, 1-27-59, Cl. 137-543.
- Wallsteiner, Ewald. Golf training device. 2,899,208, 8-11-59, Cl. 273-182.
- Wallwork, Charles M. G., 1/2 to Henry Wallwork & Co. Ltd. Method of and means for the production of castings. 2,871,527, 2-3-59, Cl. 22-20.
- Wallwork, Henry, & Co. Ltd.: See—  
Wallwork, Charles M. G. 2,871,527.
- Walper, Curry O., and H. J. Sehl. Furnace draft controls. 2,869,624, 1-20-59, Cl. 158-1.
- Walpole, Harold L.: See—  
Mayo, Alfred M., Walpole, and Nolan. 2,868,959.
- Walraven, George M., to Snap-on Tools Corp. Stud puller for rocker arms and the like. 2,909,835, 10-27-59, Cl. 29-262.
- Walrod, Kenneth N.: See—  
Wernsing, Kenneth L., and Walrod. 2,905,993.
- Walsh, Alan, to Commonwealth Scientific and Industrial Research Organization. Monochromator. 2,871,757, 2-3-59, Cl. 88-14.
- Walsh, Arthur G., to National Research Corp. Method of producing zirconium. 2,915,384, 12-1-59, Cl. 75-84.5.
- Walsh, Bruce R.: See—  
Blewett, Guy C., McCoy, and Walsh. 2,883,996.
- Walsh, Clark F., to Walsh Mfg. Co. Storage structure for farm crops. 2,917,138, 12-15-59, Cl. 189-3.
- Walsh, Edward J.: See—  
Ridley, Oscar E., and Walsh. 2,915,281.
- Walsh, James L.: See—  
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- Walsh, John D. Scheduling strip travel for viewing. 2,886,256, 5-12-59, Cl. 242-55.
- Walsh, John E.: See—  
Newton, Albert E., Roske, and Walsh. 2,869,130.
- Walsh, John W.: See—  
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Haines, Robert M., Walsh, and Annable. 2,882,232.  
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- Walsh, Joseph S.: See—  
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- Walsh, Keith J.: See—  
Blesanz, Charles W., Sr., and Walsh. 2,874,688.
- Walsh, Kenneth A.: See—  
Reavis, James G., Leary, and Walsh. 2,886,410.
- Walsh Mfg. Co.: See—  
Walsh, Clark F. 2,917,138.
- Walsh, Maurice J.: See—  
Persons, Robert C., and Walsh. 2,880,919.
- Walsh, Maurice J., 1/2 to The Faulhaber Co., and 1/2 to Persons-Majestic Mfg. Co. Coil clip connection for cycle saddle. 2,884,045, 4-28-59, Cl. 155-5.22.
- Walsh, Paul R., and G. D. Mohr, to Clear Fir Products Co. Inc. Feeding apparatus for fibrous particles. 2,879,904, 3-31-59, Cl. 214-17.
- Walsh, Philip J. Alternating current control device. 2,875,378, 2-24-59, Cl. 315-100.
- Walsh, Ralph E.: See—  
Laky, Elmer, and Walsh. 2,908,853.
- Walsh, Ralph W.: See—  
Lyon, Lucien L. 2,870,581.
- Walsh, William E.: See—  
Martin, Earnest E., and Walsh. 2,891,425.  
Martin, Earnest E., and Walsh. 2,891,426.
- Walsh, William E. Apparatus for assembling plugs in primer tubes. 2,908,357, 10-13-59, Cl. 209-72.
- Walsh, William L., to S. H. Pomeroy Co., Inc. Metallic window structures. 2,912,077, 11-10-59, Cl. 189-65.
- Walter, Adolph. Flush valve guides. 2,894,264, 7-14-59, Cl. 4-57.
- Walter, Andrew J., Jr., to The Kraissl Co., Inc. Bottle chuck. 2,899,232, 8-11-59, Cl. 294-65.
- Walter, Andrew T., to Union Carbide Corp. Acrylonitrile-containing terpolymers, composition thereof, and textiles made therefrom. 2,868,756, 1-13-59, Cl. 260-32.4.
- Walter, Andrew T., to Union Carbide Corp. Static-resistant hydrophobic resin composition, shaped article thereof and method for making the latter. 2,874,023, 2-17-59, Cl. 18-54.
- Walter, Andrew T., and D. M. Young, to Union Carbide Corp. Heat-stabilized polychlorotrifluoroethylene. 2,879,257, 3-24-59, Cl. 260-45.9.
- Walter, Arthur, to Firma Pintsch Electro G.m.b.H. Hybrid circuit arrangement. 2,909,733, 10-20-59, Cl. 333-11.
- Walter, B., & Co., Inc.: See—  
Walter, Thomas G. 2,872,260.
- Walters, Bruce G. Napkin fastening means. 2,902,734, 9-8-59, Cl. 24-7.
- Walter, Carl W. Method and apparatus for handling and conditioning needle devices. 2,877,777, 3-17-59, Cl. 134-23.
- Walter, Charles R., Jr., to Allied Chemical Corp. Production of phenoxycetaldehyde. 2,918,497, 12-22-59, Cl. 260-600.
- Walter, Charles T., to Continental Can Co., Inc. Can arranging and packaging method and apparatus. 2,891,361, 6-23-59, Cl. 53-26.
- Walter, Charles W.: See—  
Richardson, Olan, and Walter. 2,916,780.
- Walter, Clarence: See—  
Badger, Henry R., Pratt, and Walter. 2,876,277.
- Walter, Edward M.: See—  
Mahon, Joseph E., Walter, and Heyer. 2,885,538.
- Walter, Frank. Sleeve adjuster. 2,914,773, 12-1-59, Cl. 2-269.
- Walter, Frederick A.: See—  
Marshall, James W., and Walter. 2,914,844.
- Walter, Gerard O.: See—  
Grube, Wolfgang O., Shultz, and Walter. 2,917,950.
- Walter, Hellmuth, to Worthington Corp. Pulse equalizing energy converter. 2,910,827, 11-3-59, Cl. 60-29.
- Walter, Hellmuth, to Worthington Corp. Pressure fluid generator. 2,916,877, 12-15-59, Cl. 60-39.55.
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- Walter, Hermine J. Variable gear. 2,875,628, 3-3-59, Cl. 74-349.
- Walter, Hermine J. Recovery of chlorine from hydrochloric acid. 2,878,105, 3-17-59, Cl. 23-219.
- Walter, John M., to The G. A. Gray Co. Counterbalanced cap for arbor supports. 2,868,084, 1-13-59, Cl. 90-11.
- Walter, John M., and J. H. Worthen, to The G. A. Gray Co. Measuring device for machine tools. 2,881,527, 4-14-59, Cl. 33-125.
- Walter & Johnson: See—  
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- Walter, Joseph H.: See—  
Chidsey, Francis A., Jr., and Walter. 2,900,772.
- Walter, Marcus E.: See—  
Cervi, Armando, and Walter. 2,912,591.
- Walter, Ned F., R. M. Waters, and J. M. Lee, to The Dow Chemical Co. Preparation of alpha-haloalkyl ethers. 2,888,490, 5-26-59, Cl. 260-614.
- Walter, Otto L.: See—  
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- Walter, Robert L.: See—  
Schein, Alvin, and Walter. 2,886,553.
- Walter, Thomas G., to B. Walter & Co., Inc. Adjustable support for table drop leaf. 2,872,260, 2-3-59, Cl. 300-65.
- Walterisation Co. Ltd.: See—  
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- Walters, Arthur L. Furnace sawdust burners. 2,879,727, 3-31-59, Cl. 110-29.
- Walters, Gerald E. Sign with interchangeable letters. 2,875,540, 3-3-59, Cl. 40-140.
- Walters, Gerald E. Sign. 2,887,801, 5-26-59, Cl. 40-128.
- Walters, Gerald E. Sign arrangement. 2,887,803, 5-26-59, Cl. 40-130.
- Walters, Harold A.: See—  
Cipriano, Angelo L., Walters, and Clock. 2,917,407.
- Walters, Fred E., Jr., and Walters. 2,873,215.
- Walters, Fred K., Jr., and Walters. 2,918,194.
- Walters, Harry D.: See—  
Reed, John A., and Walters. 2,887,239.
- Walters, Harry W. Construction kit for model buildings. 2,871,619, 2-3-59, Cl. 46-19.

- Walters, Howard W., Jr., to Jennings Radio Mfg. Corp. Vacuum relay. 2,908,780, 10-13-59, Cl. 200-57.
- Walters, Peter C., and R. B. Davis. Patty-former and cooker. 2,896,528, 7-28-59, Cl. 99-436.
- Walters, Robert R.: See—  
Girardot, Peter R., and Walters. 2,906,771.
- Walters, Shelby L.: See—  
Batutis, Edward F., and Walters. 2,879,157.
- Walters, William R. Apparatus for and in method of conditioning railway ballast. 2,900,745, 8-25-59, Cl. 37-104.
- Walterscheid-Müller, Bernhard, and K. Schröter. Overload clutch. 2,909,047, 10-20-59, Cl. 64-29.
- Walther, Kenneth H. Adjustable door jack table. 2,904,087, 9-15-59, Cl. 144-288.
- Walther Buromaschinen Gesellschaft m.b.H.: See—  
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- Walther & Cie Aktiengesellschaft: See—  
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- Walther & Co. G.m.b.H.: See—  
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- Walther, Frederick C.: See—  
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- Walther, Maurice, Walther, and Wolfram. 2,883,232.
- Walther, Georg, and O. Haberkorn, to Walther & Co. G.m.b.H. Ten-key calculating machine. 2,906,454, 9-29-59, Cl. 235-60.23.
- Walther, George, Sr., and W., to The Dayton Steel Foundry Co. Trailer coupler construction. 2,885,222, 5-5-59, Cl. 280-436.
- Walther, Herbert C.: See—  
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- Walther, Rudolf E. Process and apparatus for the manufacture of folded cartons. 2,912,907, 11-17-59, Cl. 93-44.
- Walther, William: See—  
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- Walther, William, to The Dayton Steel Foundry Co. Adjustable fifth-wheel mounting. 2,903,275, 9-8-59, Cl. 280-407.
- Walt, Hans: See—  
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- Waltke, Henry C., to Radio Corp. of America. Electron tube insertion apparatus. 2,891,305, 6-23-59, Cl. 29-206.
- Walton, Carl S., and W. F. White, to United States Steel Corp. Hardenable stainless steel. 2,892,702, 6-30-59, Cl. 75-124.
- Walton, Charles A., to International Business Machines Corp. Shaft position indicating device. 2,872,671, 2-3-59, Cl. 340-347.
- Walton, Charles B. Operative and prosthetic paralleling instrument. 2,910,773, 11-3-59, Cl. 32-67.
- Walton, Charles M. Governor operated valve. 2,903,003, 9-8-59, Cl. 137-33.
- Walton, Edward: See—  
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- Holly, Frederick W., Wagner, Walton, and Hoffman. 2,875,239.
- Walton, Edward, to Merck & Co., Inc. Synthesis of 3,5-dihydroxy-3-methylpentanoic acid and the delta-lactone thereof. 2,915,532, 12-1-59, Cl. 260-343.5.
- Walton, Edward, and A. F. Wagner, to Merck & Co., Inc. Ephedrine salts of 7-carboethoxy-3-acetylthioheptanoic acid. 2,875,237, 2-24-59, Cl. 260-455.
- Walton Engineering Co. Ltd.: See—  
Spicer, Harold E., Crosby, and Simpson. 2,894,689.
- Walton, George M.: See—  
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- Walton, George W., and D. L. McCarty, to Ideco, Inc. Retrieving tool for well bores. 2,891,621, 6-23-59, Cl. 166-65.
- Walton, Glen W., to Telecomputing Corp. Overrunning clutch. 2,870,889, 1-27-59, Cl. 192-22.
- Walton, Harold F., and T. D. Waugh, to Morton Chemical Corp. Preparation of organo mercuric hydroxides. 2,871,252, 1-27-59, Cl. 260-451.
- Walton, John F., and J. H. Reaves, to Elcor, Inc. Isolated power supply. 2,914,719, 11-24-59, Cl. 321-8.
- Walton, John R., to Chicopee Mfg. Corp. Looms. 2,902,058, 9-1-59, Cl. 139-126.
- Walton, John T., to Hugh Wood and Co. Ltd. Bars for supporting the roof in mines and for like purposes. 2,915,328, 12-1-59, Cl. 287-99.
- Walton, Neil D.: See—  
Dodge, Ronald D., and Walton. 2,905,304.
- Walton, Neil D., and H. R. Kruspe, to International Business Machines Corp. Typewriter carriage return and indexing mechanism. 2,902,133, 9-1-59, Cl. 197-66.
- Walton, Richard A., to The Dow Chemical Co. Extrusion apparatus. 2,894,623, 7-14-59, Cl. 207-2.
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- Walton, Richard R. Condensing traveling sheet materials. 2,915,109, 12-1-59, Cl. 154-30.
- Walton, Robert S. Decoy. 2,884,729, 5-5-59, Cl. 43-2.
- Walt, Earl F., to Sylvania Electric Products Inc. Siphoning apparatus. 2,871,893, 2-3-59, Cl. 141-121.
- Waltz, Edward, to The E. O. Bulman Mfg. Co., Inc. Roll paper cutter attachment. 2,878,980, 3-24-59, Cl. 225-39.
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- Walulik, Albert, and J. R. Wilhelm, to Purolator Products, Inc. Filter cartridge. 2,884,133, 4-28-59, Cl. 210-136.
- Walworth Co.: See—  
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- Walworth, Robert S., to Consolidated Foundries and Mfg. Corp. Mobile tiered assemblage. 2,877,507, 3-17-59, Cl. 20-126.
- Walworth, Vivian K.: See—  
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- Walworth, Vivian K., and W. H. Ryan, to Polaroid Corp. Light-polarizing process and product. 2,892,383, 6-30-59, Cl. 88-65.
- Walz, Bruno. Tube cleaning mechanism. 2,882,539, 4-21-59, Cl. 15-3.5.
- Walzwerke Neviges, Willy H. Schlieker & Co.: See—  
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- Wampach, Robert G., to Teletype Corp. Telegraph station selector. 2,905,746, 9-22-59, Cl. 178-4.1.
- Wamsler, Karl: See—  
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- Wamsley, Arnold H.: See—  
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- Wamsley, Floyd B. Combination wheel chair and stretcher. 2,869,614, 1-20-59, Cl. 155-30.
- Wamsley, Harry C., and P. A. Wells, Jr., to The Quaker Oats Co. Process for manufacturing furfural. 2,884,428, 4-28-59, Cl. 260-347.9.
- Wamsley, Ray E. Adjustable fastener for the lid of the luggage compartment of an automobile. 2,916,902, 12-15-59, Cl. 70-93.
- Wandas, Joseph A.: See—  
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- Wandel, Oscar A., to Fastener Corp. Multiple fastener driving machine. 2,884,637, 5-5-59, Cl. 1-106.
- Wandel, Oscar A., to Fastener Corp. Magazine construction. 2,909,780, 10-27-59, Cl. 1-49.
- Wandel, Oscar A., to Fastener Corp. Fastener driving apparatus. 2,915,754, 12-8-59, Cl. 1-106.
- Wandel, Oscar A., and R. H. Doyle, to Fastener Corp. Fastener driving apparatus. 2,887,686, 5-26-59, Cl. 1-44.4.
- Wandell, George F., and L. R. Allen, Jr., to Westinghouse Electric Corp. Actuating mechanism. 2,901,910, 9-1-59, Cl. 74-1.
- Wander Co., The: See—  
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- Waner, Donald W.: See—  
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- Wang, An. Anti coincidence circuit. 2,901,637, 8-25-59, Cl. 307-88.
- Wang, An. Frequency meters. 2,913,664, 11-17-59, Cl. 324-78.
- Wang, Hsioh W.: See—  
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- Wang, Wensan. Disposable all-weather hat. 2,869,136, 1-20-59, Cl. 2-177.
- Wang, Wensan. Pocket liquid cooling device. 2,900,808, 8-25-59, Cl. 62-294.
- Wangel, Jørgen A., to Aktieselskabet de Danske Sukkerfabrikker. Process for the purification of lactic acid. 2,885,436, 5-5-59, Cl. 260-535.
- Wangelin, Don J.: See—  
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- Wangelin, Don J., and E. C. Bowen, to The Pure Oil Co. Electric arc reactor. 2,900,321, 8-18-59, Cl. 204-323.
- Wangerin, Elmer O., and E. B. Schoonmaker, to Eastman Kodak Co. Magazine interlock mechanism. 2,912,899, 11-17-59, Cl. 58-17.
- Wancrow, Leroy C., to Servisled Products Corp. Water-stop connection. 2,867,160, 1-6-59, Cl. 94-18.
- Waninger, Hendrik: See—  
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- Waninger, Hendrik, to Naamloze Vennootschap Kunstzijde-spinnerij Nyma. Process for dyeing products of copolymers of acrylonitrile. 2,900,217, 8-18-59, Cl. 8-42.
- Waninger, Gilbert, and K. Engel. Adjustment of machine parts. 2,901,947, 9-1-59, Cl. 90-16.
- Waninger, Gilbert M. Machine tools. 2,889,756, 6-9-59, Cl. 90-37.
- Wankel, Felix: See—  
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- Wankel, Felix, to NSU Werke A.G., and said F. Wankel. Seals for working spaces of rotary piston machines. 2,880,045, 3-31-59, Cl. 309-22.
- Wanlass, Cravens L., to North American Aviation, Inc. Logical gating system for digital computers. 2,873,363, 2-10-59, Cl. 250-27.
- Wanlass, Cravens L., to North American Aviation, Inc. Transistor flip-flop circuit. 2,880,332, 3-31-59, Cl. 307-88.5.



- Wanlass, Cravens L., to North American Aviation, Inc. Transistor multivibrator. 2,888,579, 5-26-59, Cl. 307-88.5.
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- Wanlass, Cravens L., to Thompson Ramo Wooldridge Inc. Multivibrator circuits with improved power-frequency capacity. 2,916,637, 12-8-59, Cl. 307-88.5.
- Wanlass, Cravens L. and S. D., to Ford Motor Co. Magnetic head. 2,915,597, 12-1-59, Cl. 179-100.2.
- Wanlass, Sylvan D.: See—
- Wanlass, Cravens L. and S. D. 2,915,597.
- Wann, Laymond D., to Continental Oil Co. Wide-range resistance and resistivity measuring apparatus. 2,871,446, 1-27-59, Cl. 324-64.
- Wann, Richard L., to The Firestone Tire & Rubber Co. Tubeless tire. 2,874,745, 2-24-59, Cl. 152-353.
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- Wanner, Edwin F. Filter beds and tile. 2,874,844, 2-24-59, Cl. 210-150.
- Wanner, John J.: See—
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- Olson, Robert V. 2,897,715.
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- Wanttaja, Glenn E.: See—
- Booth, Frederick E., Jr., Wanttaja, and Colten. 2,915,896.
- Todd, Harold E., Meyer, Gailher, Meek, and Wanttaja. 2,880,557.
- Wanty, Byron G.: See—
- Vetter, William F., and Wanty. 2,881,422.
- Wantz, Clarence. Timer switch. 2,906,328, 9-29-59, Cl. 161-1.
- Wantz, Clarence, and R. F. Garner, to Robertshaw-Fulton Controls Co. Control device. 2,898,439, 8-4-59, Cl. 219-37.
- Wanzer, Arthur W. Outboard propeller mechanism for vessels. 2,902,967, 9-8-59, Cl. 115-41.
- Warblow, Garrett R. Boat steering mechanism. 2,878,768, 3-24-59, Cl. 114-153.
- Warburton, Kenneth R., to The Hoover Co. Suction cleaner and flexible and extensible hose therefor. 2,914,790, 12-1-59, Cl. 15-327.
- Ward, Adelbert V., to Morse-Starrett Products Co. Squeegee. 2,905,960, 9-29-59, Cl. 15-245.
- Ward, Annchen H. Readily detachable potted plant protector. 2,894,358, 7-14-59, Cl. 47-34.
- Ward, Arthur L., to Square D Co. Positional control for brake shoes. 2,871,994, 2-3-59, Cl. 188-75.
- Ward, Bertrand M.: See—
- Williams, Ernest E., and Ward. 2,893,490.
- Ward, C. E., Co., The: See—
- O'Reilly, Edward J. 2,880,423.
- Ward, Charles D. Disposable, one-use toothbrush. 2,879,533, 3-31-59, Cl. 15-167.
- Ward, Curtis E.: See—
- Jepsen, Robert L., and Ward. 2,888,599.
- Ward, Dallas M. Birdhouse for martins. 2,915,040, 12-1-59, Cl. 119-23.
- Ward, Derrick A.: See—
- Warner, Arthur R., and Ward. 2,892,125.
- Ward, Francis M.: See—
- Harned, John L., Knudsen, and Ward. 2,882,721.
- Ward, Gerald G.: See—
- Miller, Robert H., and Ward. 2,916,096.
- Ward Industries Corp.: See—
- Davis, Ernest, and McCallum. 2,886,178.
- Ward, Irving A.: See—
- Bletcher, Ralph E., and Ward. 2,867,230.
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- Ward, James C., to Alaska Juneau Gold Mining Co. Torque arm connection. 2,880,991, 4-7-59, Cl. 267-67.
- Ward, Jarrett M. Method of extracting crab meat. 2,903,737, 9-15-59, Cl. 17-45.
- Ward, John W.: See—
- Bruck, George, Higgins, and Ward. 2,890,392.
- Ward, Lawrence T. Metering button valve assembly. 2,892,576, 6-30-59, Cl. 222-394.
- Ward Leonard Electric Co.: See—
- Clark, Robert L. 2,872,543.
- Clark, Robert L. 2,904,657.
- Ward, Lyle W.: See—
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- Ward, Perry T.: See—
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- Ward, Ralph: See—
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- Walker, Bernard F., Ward, and Godehn. 2,905,968.
- Ward, Samuel J., W. E. Holliman, and M. C. Cross. Transformer mounting bracket. 2,910,261, 10-27-59, Cl. 248-230.
- Ward, Theodore S. Road barricade. 2,896,918, 7-28-59, Cl. 256-64.
- Ward, Truman L.: See—
- Feuge, Reuben O., and Ward. 2,874,175.
- Wardell, Ross D. Hand truck. 2,869,886, 1-20-59, Cl. 280-47.18.
- Wardell, Verris C. Packaging method and apparatus. 2,881,574, 4-14-59, Cl. 53-29.
- Warden, Albert L.: See—
- Drew, Howard E., Warden, and Brodeur. 2,867,849.
- Warden, Eunice I. Earring with oscillating ornament support. 2,914,928, 12-1-59, Cl. 63-14.
- Warden, Frederick W.: See—
- Hinton, Raymond C. P., and Warden. 2,868,869.
- Warder, George E. E.: See—
- Call, Roland A., and Warder. 2,894,186.
- Wardley, John: See—
- Lubaszynski, Hans G., and Wardley. 2,900,280.
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- Wardwell, George W., Jr., to Sargent & Co. Guard bolt construction for door locks. 2,890,074, 6-9-59, Cl. 292-169.
- Ware, Ben F., to The Ajax Mfg. Co. Multiple-draw wire drawer. 2,881,908, 4-14-59, Cl. 205-14.
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- Ware, Thomas E. Fish lure. 2,913,847, 11-24-59, Cl. 43-42.06.
- Ware, Vernon D. Vibratory reducing machine. 2,908,271, 10-13-59, Cl. 128-33.
- Ware, Willis C. Composition for treating synthetic films, strands and fabrics. 2,876,127, 3-3-59, Cl. 106-287.
- Wareham, Calvin C.: See—
- Selvaaglo, John D., and Wareham. 2,869,845.
- Wareham, Richard R.: See—
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- Warfield, Robert B., and L. F. Stumpf, to Bristol-Myers Co. Acrylic acid polymer laxative compositions. 2,909,462, 10-20-59, Cl. 167-56.
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- Wargo, Peter, to Regents of the University of Minnesota. Method of preparing emitter surfaces. 2,878,093, 3-17-59, Cl. 316-21.
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- Warbaffig, Irving, and E. Funk. Embossed orientation printing. 2,918,731, 12-29-59, Cl. 35-49.
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- Warhus, John D., to General Electric Co. Domestic appliance. 2,914,217, 11-24-59, Cl. 222-76.
- Waring, John W., to Philco Corp. Input coupling circuit. 2,871,306, 1-27-59, Cl. 179-171.
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- Waring, Robert W. Electrostatic apparatus. 2,897,424, 7-28-59, Cl. 317-262.
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- Warn, Arthur M. Wheel-hub clutch. 2,884,101, 4-28-59, Cl. 192-44.
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- Wilhelm, Joseph A. and G., Warnat, and Zink. 2,877,790.
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- Warner, Amos C., to Columbian Carbon Co. Carbon black process. 2,915,372, 12-1-59, Cl. 23-204.4.
- Warner, Arthur R., and D. A. Ward. Electric discharge tube systems. 2,892,125, 6-23-59, Cl. 315-166.
- Warner Bros. Pictures, Inc.: See—
- Gago, Fred W., and Tondreau. 2,870,672.
- Tondreau, Albert W. 2,868,065.
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- Warner, Chauncey E.: See—
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- Warner, Clifford F., to Larkin Packer Co., Inc. Apparatus for cementing a liner in a well bore. 2,876,844, 3-10-59, Cl. 166-184.
- Warner, Douglas K. Gas turbine condensers. 2,894,729, 7-14-59, Cl. 257-24.
- Warner Electric Brake & Clutch Co.: See—
- Pierce, William C. 2,885,048.
- Pierce, William C. 2,899,037.
- Pierce, William C., and Modersohn. 2,914,714.
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- McClure, Donald J., and Warner. 2,879,842.
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- Ebersold, Robert C. 2,890,715.
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- Leckler, Harry H. 2,873,453.
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- Warnstrom, Karl-Erik: See—
- Myllenberg, Sven B., and Warnstrom. 2,873,141.
- Warr, John H. Catheters. 2,896,629, 7-28-59, Cl. 128-349.
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- Warren Automatic Tool Co.: See—
- Dower, Ethel J. 2,910,871.
- Warren, Barbara H.: See—
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- Warren, Charles F., Jr.: See—
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- Warren, Estel M. Safety switch. 2,907,853, 10-6-59, Cl. 200-161.
- Warren Featherbone Co., The: See—
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- Warren, Francis G. R., and Z. A. Melzak, to Radio Corp. of America. Antenna. 2,872,679, 2-3-59, Cl. 343-754.
- Warren, Fred D. Multiple woodworking tool. 2,913,021, 11-17-59, Cl. 143-132.
- Warren, George F. Trailer house drain connections. 2,915,081, 12-1-59, Cl. 137-344.
- Warren, Grant E.: See—
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- Warren, Jack. Chassis construction strip and a chassis. 2,889,016, 6-2-59, Cl. 189-34.
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- Warren, Charles F. 2,908,138.
- Warren, Lee, deceased: B. H. Warren, administratrix. Tow car hitch. 2,887,825, 5-19-59, Cl. 280-502.
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- Warren, Pickett L. Stern line outrigger. 2,893,156, 7-7-59, Cl. 43-17.
- Warren, Ray C., to Hershel California Fruit Products Co., Inc. Feeder for orientation device. 2,903,160, 9-8-59, Cl. 221-290.
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- Wellcome, Frank L., Jr. 2,909,118.
- Warren, Samuel C. Safety switch. 2,882,364, 4-14-59, Cl. 200-80.
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- Warren, Theresa Z.: See—
- Warren, John S., and T. Z. 2,870,927.
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- Warrick, Edward C., and J. Kmetz, to Rockwell Mfg. Co. Universal caster assembly for leg supported stands. 2,888,707, 6-2-59, Cl. 16-33.
- Warrick, Frederick P. High speed strip recording means for transient phenomena. 2,910,340, 10-27-59, Cl. 346-108.
- Warrick, Leon H., and A. L. Loy, Sr. Lawn sprinkler. 2,901,180, 8-25-59, Cl. 239-67.
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- Aurell, Carl G. P., and Warring. 2,888,559.
- Warring, Stig E., and J. M. Thorsen, to Telefonaktiebolaget L. M. Ericsson. Means for selecting a determined pulse in a pulse train. 2,897,362, 7-28-59, Cl. 260-27.
- Warrington, Albert R. V. C., to The English Electric Co. Ltd. Electrical relays. 2,912,622, 11-10-59, Cl. 317-51.
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 Wasserman, Arthur, to Tiarco Corp. Electroplating. 2,888,387, 5-26-59, Cl. 204-33.  
 Wasserman, David, to Minnesota Mining and Mfg. Co. Composition comprising a solution of a glycidyl polyether and a glycidyl ether of a monohydric phenol. 2,891,026, 6-16-59, Cl. 260-30.4.

Wasserman, David, to Minnesota Mining and Mfg. Co. Compositions of matter and methods for preparing them. 2,900,364, 8-18-59, Cl. 260-47.  
 Wasserman, Kurt J., to Trio Chemical Works, Inc. Silver cleaner. 2,907,716, 10-6-59, Cl. 252-152.  
 Wasserman, Lee S., and A. J. Stolzenberger, to Globe Industries, Inc. Corrective auto pilot servomotor system. 2,910,639, 10-27-59, Cl. 318-489.  
 Wasserman, Nathan. Ear plug. 2,876,767, 3-10-59, Cl. 128-151.  
 Wasserman, Rene D., and H. H. Shmons, to Eutectic Welding Alloys Corp. Brazing alloy-flux paste. 2,914,435, 11-24-59, Cl. 148-24.  
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 Wasson, Burton K., and J. M. Parker, to Charles E. Frost & Co. Propanediol bis(thiocarbamates). 2,901,501, 8-25-59, Cl. 260-455.  
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 Wasson, Jones I., and W. C. Howell, Jr., to Esso Research and Engineering Co. Lubricants. 2,876,199, 3-3-59, Cl. 252-55.  
 Wasson, Loerwood C., to Baso Inc. Control device. 2,876,397, 3-3-59, Cl. 317-171.  
 Wasson, Robert A., and J. E. and L. M. Dunn. End wall table. 2,909,399, 10-20-59, Cl. 311-16.5.  
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 Fay, John A. 2,882,366.  
 Friedberg, Harry. 2,887,074.  
 Karig, Horace E. 2,918,068.  
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 Wayluk, Joseph. Basket carrier for wheeled strollers. 2,904,237, 9-15-59, Cl. 224-42.45.  
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 Schurman, Donald R. 2,916,952.  
 Sculio, Charles V. 2,871,492.  
 Tully, John J. 2,900,072.  
 Waterbury Plating Co., The: See—  
 Ineson, Clifton H. 2,891,503.  
 Waterhill, Robert W., to Buensod-Stacey, Inc. Air conditioning and heat pump system. 2,894,375, 7-14-59, Cl. 62-196.  
 Waterhouse, Albert. Neck tie fastener. 2,890,459, 6-16-59, Cl. 2-150.  
 Waterhouse, Eugene R.: See—  
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 Waterman, Logan C., to Petrolite Corp. Electric treater. 2,897,251, 7-28-59, Cl. 174-16.  
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 Waterman, Logan C., and W. L. Shirley, to Petrolite Corp. Electric treater for emulsions. 2,892,768, 6-30-59, Cl. 204-304.  
 Waterman, Max L., to The Slinger Mfg. Co. Presser mechanisms for sewing machines. 2,874,664, 2-24-59, Cl. 112-236.  
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 Thomas, David F., and Hill. 2,894,531.  
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 Waters, Joseph J., to Crown Cork & Seal Co., Inc. Method of making crown and liner. 2,881,480, 4-14-59, Cl. 18-59.  
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 Waters, William E., to United States of America, Army. Klystron amplifier. 2,917,656, 12-15-59, Cl. 315-5.  
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 Watkins, Nathaniel R. Doghouse door or the like. 2,882,964, 4-21-59, Cl. 160-330.  
 Watkins, Charles H., to Universal Oil Products Co. Hydrofining process and catalyst thereof. 2,878,180, 3-17-59.  
 Watkins, Charles H., to Universal Oil Products Co. Fluidized solids level control. 2,886,899, 5-19-59, Cl. 34-57.  
 Watkins, Charles H., to Universal Oil Products Co. Combination process for hydrotreating and synthesizing hydrocarbons. 2,917,532, 12-15-59, Cl. 260-449.6.  
 Watkins, Charles H., and A. J. de Rosset, to Universal Oil Products Co. Manufacture and use of supported molybdenum-containing catalysts. 2,905,636, 9-22-59, Cl. 208-216.  
 Watkins, Daniel H., to The Watkins-Strathmore Co. Test booklet having readily erasable answer sheet. 2,879,608, 3-31-59, Cl. 35-31.  
 Watkins, Daniel H., to The Watkins-Strathmore Co. Booklet having attached thereto a writing pad for receiving temporary images. 2,879,609, 3-31-59, Cl. 35-62.  
 Watkins, David T. Anti-climbing shield for towers. 2,880,829, 4-7-59, Cl. 180-32.  
 Watkins, Dean A., to Hughes Aircraft Co. Reflex space-harmonic oscillator. 2,869,019, 1-13-59, Cl. 315-3.5.  
 Watkins, Dean A., to Hewlett-Packard Co. Beam-type tube. 2,900,558, 8-18-59, Cl. 315-3.5.  
 Watkins, Donald B., to Sylvania Electric Products Inc. Determining gas content in metals. 2,871,694, 2-3-59, Cl. 73-19.  
 Watkins, George E., and L. N. Pond, to Corning Glass Works. Glass working machine. 2,893,542, 7-7-59, Cl. 198-209.  
 Watkins, Kirk A. Engine oil refiner. 2,909,284, 10-20-59, Cl. 210-95.  
 Watkins, Norman B., to The Coleman Co., Inc. Method of joining sheet material. 2,900,714, 8-25-59, Cl. 29-513.  
 Watkins, Roger W. Discharge valve for ice cream machines. 2,887,072, 5-19-59, Cl. 107-14.  
 Watkins, Sidney C., to Joseph Lucas (Industries) Ltd. Liquid fuel discharge nozzles. 2,878,065, 3-17-59, Cl. 299-120.  
 Watkins, Spencer H., to Hercules Powder Co. Sizing paper and product. 2,872,315, 2-3-59, Cl. 92-21.  
 Watkins, Spencer H., to Hercules Powder Co. Stabilized tall oil rosin size compositions and methods of preparation. 2,881,084, 4-7-59, Cl. 106-123.  
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 Watkins, Daniel H. 2,879,609.  
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 Watkins, Thomas E., to Socony Mobil Oil Co., Inc. Component for well treating fluid. 2,876,197, 3-3-59, Cl. 252-8.5.  
 Watkins, Thomas E., and W. R. Foster, to Socony Mobil Oil Co., Inc. High temperature cement. 2,875,835, 3-3-59, Cl. 166-31.  
 Watkins, Thomas I.: See—  
 Lelper, John W. G., and Watkins. Re. 24,657.  
 Watkins, Willie R., to A. T. Staples. Vacuum operated hair clipper. 2,914,849, 12-1-59, Cl. 30-133.  
 Watkins, Willie R., 50% to A. T. Staples. Comb. 2,915,071, 12-1-59, Cl. 132-45.  
 Watkins, Willis T., to Parmelee Plastics Co. Safety goggle having guarded vents. 2,877,463, 3-17-59, Cl. 2-14.  
 Watrous, Gilbert A., to Brazit Associates. Fireplace appliance. 2,865,189, 1-13-59, Cl. 126-25.  
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 Watrous, Robert B., to Minneapolis-Honeywell Regulator Co. Controller span adjusting apparatus. 2,907,338, 10-6-59, Cl. 137-85.  
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 Watson, Arthur E., and F. K. Barnes, to The B. F. Goodrich Co. Tire tread transfer apparatus. 2,902,082, 9-1-59, Cl. 154-9.  
 Watson, Daniel K. Racket stringing device. 2,901,252, 8-25-59, Cl. 273-73.  
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 Stone, Wilfred H., and Watson. 2,916,633.  
 Watson, Edward H. N.: See—  
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 Watson, Edward J., to The Dow Chemical Co. 1-ethynyl-cyclohexyl propargyl ether. 2,897,241, 7-28-59, Cl. 260-611.  
 Watson, Edward J., and D. E. Rapp, to The Dow Chemical Co. Stabilization of chlorinated solvents with aziridines. 2,878,297, 3-17-59, Cl. 260-652.5.  
 Watson, Forrest J., R. C. Morris, and J. L. Van Winkle, to Shell Development Co. Lubricating oil compositions. 2,874,120, 2-17-59, Cl. 252-32.5.  
 Watson, Forrest J., J. E. Weigel, and F. C. Younger, to Shell Development Co. Metal working lubricants. 2,882,228, 4-14-59, Cl. 252-32.5.  
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 Watson, Harold E. Boat trailer. 2,908,412, 10-13-59, Cl. 214-509.  
 Watson, James P. Articulated armature means. 2,881,367, 4-7-59, Cl. 317-199.  
 Watson, James P. Spiral terminal. 2,882,515, 4-14-59, Cl. 339-278.  
 Watson, James P. Acceleration proof actuating member. 2,884,573, 4-28-59, Cl. 317-191.  
 Watson, James P. Wire seal. 2,898,396, 8-4-59, Cl. 174-152.  
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 Willetts, Elwood H., Ingram, and Watson. 2,889,993.  
 Watson Mfg. Co., Inc.: See—  
 Snethen, Thomas H. 2,876,057.  
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 Watson, Melvin R. Golf club container and cart. 2,890,061, 6-9-59, Cl. 280-47.26.  
 Watson, Nathan J., to Johnson Biscuit Co. Loading mechanism for cookie apparatus and the like. 2,876,887, 3-10-59, Cl. 198-26.  
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 Watson, Richard A. Single pedal operated systems for controlling the acceleration and deceleration of vehicles. 2,883,014, 4-21-59, Cl. 192-3.  
 Watson, Richard A. Reversible condiment container. 2,886,212, 5-12-59, Cl. 222-142.2.  
 Watson, Robert J., and F. A. Morris, to General Dynamics Corp. Template-guided machine tool. 2,918,835, 12-29-59, Cl. 83-71.  
 Watson, Robert M., to Bendix Aviation Corp. Machine for vibration treatment of surfaces. 2,896,646, 7-28-59, Cl. 134-122.  
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 Watson, Stanley A., and C. B. Williams, to Corn Products Refining Co. Process for extracting hemicellulose from corn coarse fiber. 2,868,778, 1-13-59, Cl. 260-209.  
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 Watson, Walter E. F. Soil-working plough. 2,887,169, 5-19-59, Cl. 172-166.  
 Watson, William M., to Paper Strap, Inc. Machine for attaching handles to cartons. 2,869,438, 1-20-59, Cl. 93-36.  
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- Watt, Irene M.: See—  
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- Watt, John G., to American Screen Products Co. Device for assembling variable sizes of framed screens. 2,898,951, 8-11-59, Cl. 140-109.
- Watt, Lynn A. K.: See—  
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- Watt, William R., to American Viscose Corp. Process for producing cellulose thiourethanes. 2,910,466, 10-27-59, Cl. 260-216.
- Watter, Michael, and W. S. Eggert, Jr., to The Budd Co. Method of fabricating sandwich type panels. 2,901,590, 8-25-59, Cl. 219-117.
- Watter, Michael, and W. S. Eggert, Jr., to The Budd Co. Roller welding apparatus. 2,908,502, 10-13-59, Cl. 219-51.
- Watter, Michael, and W. S. Eggert, Jr., to The Budd Co. Universal spot welder. 2,908,504, 10-13-59, Cl. 219-56.
- Watters, Glenn G., and J. E. Brekke, to United States of America, Agriculture. Coating of raisins and other foods. 2,909,435, 10-20-59, Cl. 99-168.
- Watters, Johnny T.: See—  
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- Watterson, Clark C. Signal generating apparatus. 2,881,424, 4-7-59, Cl. 343-73.
- Watts, Clarence R., to P. F. Henry. Electrical alarm system. 2,895,125, 7-14-59, Cl. 340-227.
- Watts Electric & Mfg. Co.: See—  
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Heller, Robert M. 2,897,473.  
Heller, Robert M. 2,916,765.
- Watts, George W., and J. F. Wygant, to Standard Oil Co. Flow limiting filter valve. 2,892,512, 6-30-59, Cl. 183-44.
- Watts, Harold R. Heavy duty stabilizing trailer hitch. 2,906,544, 9-29-59, Cl. 280-406.
- Watts, John A., to The Tungolin Co., Inc. Process for stabilizing and refining tung oil and product thereof. 2,867,639, 1-6-59, Cl. 260-428.
- Watts, John D., B. Lefevre, and E. F. Hill, to Gray Tool Co. Swivel coupling with inserted section type swivel unit. 2,867,453, 1-6-59, Cl. 285-31.
- Watts, Loye E.: See—  
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- Watts Regulator Co.: See—  
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- Watts, Rhea N., to Esso Research and Engineering Co. Process for upgrading hydrocarbons. 2,888,396, 5-26-59, Cl. 208-136.
- Watts, Rhea N., and J. A. Polack, to Esso Research and Engineering Co. Treatment of a metal-contaminated heavy gas oil with non-adsorbent carbon particles. 2,911,353, 11-3-59, Cl. 208-58.
- Watts, William S., to AMP Inc. Contact assembly for plug boards. 2,882,508, 4-14-59, Cl. 339-18.
- Waugaman, Charles A.: See—  
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- Waugh Equipment Co.: See—  
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- Waugh, John A., to Owens-Corning Fiberglass Corp. Method and apparatus for handling continuous multifilament strands. 2,909,827, 10-27-59, Cl. 28-1.
- Waugh, Robert E., and O. L. Rider, Jr., to Englander Co., Inc. Ironing board. 2,907,127, 10-6-59, Cl. 38-137.
- Waugh, Robert E., and G. J. Yurek, to The Englander Co., Inc. Tote boxes. 2,919,045, 12-29-59, Cl. 220-4.
- Waugh, Thomas D.: See—  
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- Waukesha Motor Co.: See—  
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- Wausau Iron Works: See—  
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- Wawering, Robert A.: See—  
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- Wax, Charles S.: See—  
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- Waxide Paper Co.: See—  
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- Waxweiler, James H., to Armco Steel Corp. Heat-hardened stainless steel and method for cold treating same. 2,903-386, 9-8-59, Cl. 148-2155.
- Way, David G., to Needham Mfg. Co., Inc. Apparatus for wrapping articles. 2,885,843, 6-12-59, Cl. 53-52.
- Way, Elwood J. Pentagonal block puzzle. 2,901,256, 8-25-59, Cl. 273-157.
- Way, James E., to International Business Machines Corp. Portable time stamp. 2,902,330, 9-1-59, Cl. 346-92.
- Way, James E. Fusee. 2,902,568, 9-1-59, Cl. 200-130.
- Way, Robert B., and C. D. Hersey. Automatic painting, wiping, and polishing machine. 2,878,139, 3-17-59, Cl. 117-64.
- Way, Robert B., and C. D. Hersey. Machine for painting pottery and the like. 2,893,960, 4-28-59, Cl. 118-301.
- Way, Robert B., and C. D. Hersey. Machine for wiping and polishing articles of manufacture. 2,885,702, 5-12-59, Cl. 15-97.
- Way, Robert B., and C. D. Hersey. Combination painting and wiping machine. 2,887,985, 5-26-59, Cl. 118-106.
- Way, Robert B., and C. D. Hersey. Automatic spray painting machine. 2,890,678, 6-16-59, Cl. 118-301.
- Way, Robert B., and C. D. Hersey. Multicolor painting machine. 2,915,037, 12-1-59, Cl. 118-11.
- Way, Roy C. Handle for reels of wire. 2,917,253, 12-15-59, Cl. 242-94.
- Way, Wilbur A., to Addressograph-Multigraph Corp. Printing devices. 2,902,928, 9-8-59, Cl. 101-369.
- Waychoff, Walter F., to Monsanto Chemical Co. Copolymer of unsaturated polyester, styrene and dibutyl fumarate or dibutyl maleate and process of preparing same. 2,882,256, 4-14-59, Cl. 260-454.
- Wayman, Morris, D. L. Sherk, and W. A. Kraske, to Columbia Cellulose Co., Ltd. High viscosity, high percentage alpha cellulose from sulfite pulp. 2,882,965, 4-21-59, Cl. 162-89.
- Wayman, Robert W., to Borg-Warner Corp. Hydraulic governor. 2,911,987, 11-10-59, Cl. 137-51.
- Wayne, Anthony, Improvement Co.: See—  
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- Wayne Iron Works: See—  
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- Wayne, Joseph C., to Whirlpool Corp. Steam iron. 2,890,533, 6-16-59, Cl. 38-77.
- Wayne Metalcraft Co.: See—  
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Nehls, Charles H. 2,880,605.
- Wayne, Peter J.: See—  
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- Waznys, Peter J.: See—  
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- Weakley, Francis B.: See—  
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- Weamer, George L.: See—  
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- Weamer, George L., to California Research Corp. Filter aid for preparing dispersions in lubricating oil. 2,878,185, 3-17-59, Cl. 252-334.
- Wean Engineering Co., Inc. The: See—  
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- Wean Equipment Corp.: See—  
Sarka, Albert J. 2,873,803.
- Weapons, Inc.: See—  
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- Wearing, Robert H.: See—  
Newworth, Joseph A., and Wearing. 2,868,916.
- Wearmouth, William G., to National Research Development Corp. Treatment of milk. 2,918,380, 12-22-59, Cl. 99-192.
- Weasler, Anthony V. Free wheeling guard for a telescopic shaft. 2,911,803, 11-10-59, Cl. 64-4.
- Weatherby, Robert D. Recording mechanism for fluid pumps. 2,903,184, 9-8-59, Cl. 235-94.
- Weatherhead Co., The: See—  
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Courtot, Louis B. 2,900,990.  
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Marette, Ralph T., and Miller. 2,910,305.  
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St. Clair, Theodore A., and Krall. 2,898,930.  
Stelzer, James S. 2,918,155.
- Weatherley Oilgear Ltd.: See—  
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Poynter, Cyril E. 2,893,293.
- Weatherly, J. T.: See—  
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- Weathersby, Fred E., to H. H. Hill. Purse boats with improved seine handling means and method of using the same. 2,875,546, 3-3-59, Cl. 43-8.
- Weather-Seal, Inc.: See—  
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- Etling, Harold A. 2,898,042.
- Weatherston, Roger: See—  
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- Weaver, Allan: See—  
Fritsch, Walter W., and Weaver. 2,914,617.
- Weaver, Calvin P. Side delivery rake. 2,906,084, 9-29-59, Cl. 56-377.
- Weaver, Carson E., and J. G. Hambor, to Gahagan, Inc. Broadband microwave point contact rectifier. 2,882,466, 4-14-59, Cl. 317-236.
- Weaver, D. L. W., and R. S. McCormack, Jr., to United States of America, Atomic Energy Commission. Volume compensating means for pulsating pumps. 2,915,016, 12-1-59, Cl. 103-44.
- Weaver, Earl M.: See—  
Hawthorne, Herbert J., and Weaver. 2,890,020.
- Weaver, Earl M., R. C. Hawthorne, and J. L. Stockard. Drilling bit. 2,894,726, 7-14-59, Cl. 255-61.
- Weaver, Elmer A., and T. C. Cordon, to United States of America, Agriculture. Purification of canalgre tannin extracts. 2,885,325, 5-5-59, Cl. 195-2.
- Weaver, Howard A., and M. M. Women's garment. 2,907,043, 10-6-59, Cl. 2-73.
- Weaver, Jack A., to Columbian Carbon Co. Carbon black pellet and method for producing same. 2,872,336, 2-3-59, Cl. 106-307.
- Weaver, Jeremiah W.: See—  
Klein, Elias, and Weaver. 2,911,322.
- Weaver, John H., and R. E. Houdeshell, to Denim Maid Mfg. Co., Inc. Mop frames. 2,893,035, 7-7-59, Cl. 15-147.

- Weaver, John J.: See—  
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- Weaver, Leo J.: See—  
Hughes, Lawrence J., and Weaver. 2,907,799.
- Weaver, Leo J., and E. J. Eccles, Jr., to Monsanto Chemical Co. Color stabilization of alkylarenesulfonic acids. 2,880-235, 3-31-59, Cl. 260-505.
- Weaver, Leon C. Window arm or drape and curtain extension arm. 2,914,286, 11-24-59, Cl. 248-265.
- Weaver, Lyman J.: See—  
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- Weaver Mfg. Co.: See—  
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- Weaver, Mary M.: See—  
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- Weaver, Preston R., to United States of America, Navy. Maneuvering loads accelerometer. 2,867,382, 1-6-59, Cl. 235-92.
- Weaver, Preston R., to The W. L. Maxson Corp. Accelerometer. 2,879,053, 3-24-59, Cl. 264-1.
- Weaver, Preston R., to United States of America, Navy. Acceleration responsive microswitch. 2,897,306, 7-25-59, Cl. 200-6145.
- Weaver, Preston R., to The W. L. Maxson Corp. Self-latching omnidirectional acceleration switch. 2,903,533, 9-8-59, Cl. 200-615.
- Weaver, Stuart M., to Alten Foundry & Machine Works, Inc. Telescoping or collapsible brace construction. 2,903,280, 9-22-59, Cl. 189-15.
- Weaver, Victor F. Poultry suspension shackle. 2,879,541, 3-31-59, Cl. 17-441.
- Weaver, Wesley A. Antenna guy wire vibration damper. 2,889,011, 6-2-59, Cl. 188-1.
- Weaving, John H., and D. J. K. Stuart, to The Austin Motor Co. Ltd. Hydro-mechanical variable speed transmission gearing. 2,869,397, 1-20-59, Cl. 74-687.
- Weaving Research & Textile Commission Agents Ltd.: See—  
Shimwell, Derrick W. 2,893,443.
- Web Controls Corp.: See—  
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- Webarm Diecasting, Inc.: See—  
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- Webb, Charles S. Method of making basic iron sulfate. 2,905,533, 9-22-59, Cl. 23-126.
- Webb, Christopher F., to Bell Punch Co. Ltd. Apparatus for transmitting motion under the positive control of an escapement mechanism. 2,896,747, 4-28-59, Cl. 185-37.
- Webb, Deril T., to Philco Corp. Signal-responsive circuit. 2,885,630, 5-5-59, Cl. 322-75.
- Webb, Derrel D., and P. H. Teel, to Houston Engineers, Inc. Well bore packer removing tool. 2,904,114, 9-15-59, Cl. 166-103.
- Webb, Edward F. D.: See—  
Farnham, Rex C., and Webb. 2,878,831.
- Webb, Edward F. D. Burner air flow control means. 2,911-034, 11-3-59, Cl. 158-76.
- Webb, Edward L., to Westinghouse Electric Corp. Image amplifier. 2,905,829, 9-22-59, Cl. 250-213.
- Webb, Edwin T., and J. R. Seemuller, to Societe Anonyme Union Francaise Commerciale et Industrielle. Extraction processes. 2,870,223, 1-20-59, Cl. 260-637.
- Webb, Ernest C. Adjustable support for a shower head. 2,873,999, 2-17-59, Cl. 299-73.
- Webb, Ernest C. Shower head. 2,874,001, 2-17-59, Cl. 299-141.
- Webb, Francis E. Toy vortex gun. 2,879,759, 3-31-59, Cl. 124-1.
- Webb, Francis E. Suspension mechanism for light fixtures. 2,907,546, 10-6-59, Cl. 248-343.
- Webb, Francis H. Time control device for water softening. 2,878,867, 3-24-59, Cl. 161-7.
- Webb, Francis H. Water softening apparatus. 2,907,462, 10-6-59, Cl. 210-140.
- Webb, Frederick J., to The Firestone Tire & Rubber Co. Sulfur vulcanized rubber containing a mixture of antioxidants, and process of obtaining same. 2,875,174, 2-24-59, Cl. 260-458.
- Webb, Frederick J., to The Firestone Tire & Rubber Co. Sulfur vulcanized rubber composition containing phenol reaction product as an oxidation inhibitor, and method of making same. 2,905,737, 9-22-59, Cl. 260-810.
- Webb, George C. Apparatus for dehydration of comestibles. 2,911,732, 11-10-59, Cl. 34-193.
- Webb, George L.: See—  
Lambert, Cecil A., and Webb. 2,892,053.
- Webb, Glenn M.: See—  
Mallo, Russell V., and Webb. 2,879,232.
- Webb, Goebel W. Add-up block toy for teaching arithmetic. 2,869,757, 8-18-59, Cl. 35-32.
- Webb, Harold D.: See—  
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- Webb, Horace L. Dictation type mask with combined switch and air control. 2,882,355, 4-14-59, Cl. 179-188.
- Webb, Irving D.: See—  
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- Webb, Irving D., and J. W. Yale, Jr., to Collier Carbon and Chemical Corp. Fungicidal compositions. 2,877,153, 3-10-59, Cl. 167-22.
- Webb, Irving D., C. B. Scott, and J. W. Yale, to Collier Carbon and Chemical Corp. Sulfurized alkyl thioformal fungicidal compositions. 2,882,197, 4-14-59, Cl. 167-22.
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- Webb, James, and I. B. Smith. Sure catch minnow and shrimp trap. 2,908,993, 10-20-59, Cl. 43-102.
- Webb, Jervis B., Co.: See—  
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- Webb, John M. Refractory molds. 2,912,729, 11-17-59, Cl. 22-129.
- Webb, John M., and Z. Kazenas. Graphite refractory molds and method of making same. 2,886,869, 5-19-59, Cl. 22-2165.
- Webb, John P.: See—  
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- Webb, John S.: See—  
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- Webb, John S., and G. H. Schneller, to American Cyanamid Co. Sulfapyrimidines and methods of preparing the same. 2,891,949, 6-23-59, Cl. 260-23975.
- Webb, Leon C., 40% to C. M. Long. Combination hot air and internal combustion engine. 2,873,574, 2-17-59, Cl. 60-13.
- Webb, Nelson W., to Eastwood-Nealley Corp. Fourdrinier wire package. 2,868,369, 1-13-59, Cl. 206-59.
- Webb, Richard L.: See—  
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- Webb, Robert L., to The Glidden Co. Preparation of 2-methene-1-ol. 2,868,845, 1-13-59, Cl. 260-631.
- Webb, Robert L., to The Glidden Co. Treatment of certain derivatives of 2,6-dimethyloctane and intermediates. 2,902-495, 9-1-59, Cl. 260-348.
- Webb, Robert L., to The Glidden Co. 2-substituted-2,6-dimethyl-7-octenes and process for preparing same. 2,902-510, 9-1-59, Cl. 260-489.
- Webb, Robert L., to The Glidden Co. Acyclic carbinols and esters and method of preparation of the esters. 2,919,290, 12-29-59, Cl. 260-488.
- Webb, Watt W., to Union Carbide Corp. Metal arc welding. 2,868,948, 1-13-59, Cl. 219-73.
- Webb, William A., and J. M. Jacobson, to Aircraft Armaments, Inc. Latching mechanisms. 2,867,863, 1-13-59, Cl. 20-92.
- Webb, William M., to General Electric Co. Fin straightening hand tool. 2,912,888, 11-17-59, Cl. 81-15.
- Webber, Charles S., to Norton Co. Coated abrasives. 2,876,087, 3-3-59, Cl. 51-298.
- Webber, Claude H. Shutoff valve for fluid pressure mains. 2,882,921, 4-21-59, Cl. 137-460.
- Webber, Claude H., to Mueller Co. Mechanism for controlling the flow of fluids under pressure. 2,895,353, 7-21-59, Cl. 77-41.
- Webber, George H.: See—  
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- Webber, Jack C. Hold-down devices for well packers. 2,901,046, 8-25-59, Cl. 166-134.
- Webber, Stanley E., and J. A. Rich, to General Electric Co. Travelling wave directional attenuator. 2,900,557, 8-18-59, Cl. 315-35.
- Webber, William O., and D. A. Smith, to Esso Research and Engineering Co. Heat exchanger. 2,897,838, 8-4-59, Cl. 138-38.
- Webcor, Inc.: See—  
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Dale, Colin B. 2,906,537.  
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- Weber, A. C., & Co., Inc.: See—  
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- Weber A. G. Fabrik elektrotechnischer Artikel und Apparate: See—  
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- Weber, Albert. Shelf support. 2,883,137, 4-21-59, Cl. 248-243.
- Weber, Albert M., to Seco Co., Inc. Tray for stacking and washing dishes. 2,905,353, 9-22-59, Cl. 220-19.
- Weber, Artur, to Saia A.G. Contactor. 2,884,499, 4-28-59, Cl. 200-106.
- Weber, Artur, to Saia A.G. Programme switch. 2,913,913, 11-24-59, Cl. 74-125.
- Weber Briars, Inc.: See—  
Borger, Frank G. 2,918,067.
- Weber, Carl: See—  
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- Weber, Carl, and K. L. Henson, to C. Weber. Railway track construction. 2,875,953, 3-3-59, Cl. 238-2.
- Weber, Charles L., Jr., to Westinghouse Air Brake Co. Load-controlled fluid pressure brake apparatus. 2,919,164, 12-29-59, Cl. 303-22.
- Weber, Charles W.: See—  
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- Weber, Charles W., to The M. W. Kellogg Co. New catalyst composition. 2,882,242, 4-14-59, Cl. 252-437.
- Weber, Charles W., to The M. W. Kellogg Co. Production of organic phosphonyl halide. 2,882,804, 4-14-59, Cl. 260-543.



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- Weber, Charles W., to The M. W. Kellogg Co. Preparation of organic phosphonyl halides. 2,882,314, 4-14-59, Cl. 260-543.
- Weber Dental Mfg. Co., The: See—
- Mauer, John A.: 2,897,596.
- Weber, Earl J., to American Gas Association, Inc. Brollor burner. 2,896,702, 7-28-59, Cl. 158-99.
- Weber, Earl J., to American Gas Association, Inc. Gas pilot burner. 2,896,703, 7-28-59, Cl. 158-115.
- Weber, Eduard: See—
- Gelgy, Wilhelm, and Weber. 2,873,206.
- Weber Engineered Products, Inc.: See—
- Mathis, Earl C.: 2,906,082.
- Weber, Ernst L.: See—
- Cooper, Virgil K.: 2,869,161.
- Weber, Eugen, to Hydro-Chemie Aktiengesellschaft. Method and apparatus for moulding foils. 2,911,677, 11-10-59, Cl. 18-19.
- Weber, Francis J. C., to Colgate-Palmolive Co. Bactericidal compositions to be used specially for food-industries equipment. 2,898,264, 8-4-59, Cl. 167-30.
- Weber, Franklin H. Telescopic carrying case. 2,919,017, 12-29-59, Cl. 206-1.
- Weber, Gerard H.: See—
- Stuyts, Andreas L., Hoekstra, Weber, and Rathenau. 2,900,344.
- Weber, Gerard H., to North American Philips Co., Inc. Device for molding anisotropic permanent magnets. 2,903,329, 9-8-59, Cl. 18-47.
- Weber, Gerard H., and P. J. Hakker, to North American Philips Co., Inc. Method of manufacturing sintered permanent magnets. 2,892,248, 6-30-59, Cl. 29-155.6.
- Weber, H. G., & Co., Inc.: See—
- Hannon, Gilbert H.: 2,881,628.
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- Weber, Heinrich: See—
- Schmidt, Josef, and Weber. 2,894,601.
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- Muehlbauer, Hubert, and Weber. 2,905,661.
- Weber, Heinz, H. Boehn, G. Schiller, and K. Stange, to Badische Anilin- & Soda-Fabrik Akt. Polymerization of ethylene. 2,886,560, 5-12-59, Cl. 260-94.9.
- Weber, Herbert: See—
- Willwacher, Erwin, and Weber. 2,899,647.
- Weber, Herman W., to Laclede-Christy Co. Suspended furnace wall construction. 2,868,009, 1-13-59, Cl. 72-101.
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- Hoopes, Harry P., Weber, and Neal. 2,904,444.
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- Nottebroeck, Heinrich. 2,907,641.
- Weber, Joachim F. L., to International Standard Electric Corp. Method of making selenium rectifiers and article produced thereby. 2,867,550, 1-6-59, Cl. 117-200.
- Weber, Johannes: See—
- Aldinger, Ulrich, and Weber. 2,918,048.
- Weber, John, Jr.: See—
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- Weber, John A., to Webarm Diecasting, Inc. Anodizable aluminum die casting alloy. 2,885,286, 5-5-59, Cl. 75-138.
- Weber, Josef J., to Contraves A. G. Electro-mechanical control system. 2,875,854, 3-3-59, Cl. 188-1.
- Weber, Joseph. Radio receiving system. 2,891,247, 6-16-59, Cl. 343-113.
- Weber, Karel, and B. Jansa, to Tesla, narodni podnik. Miniature relay for high switching frequencies. 2,911,493, 11-3-59, Cl. 200-87.
- Weber, Kurt: See—
- Staeuble, Max, and Weber. 2,914,531.
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- Weber, Robert. Plant propagating devices. 2,870,575, 1-27-59, Cl. 47-37.
- Weber, Robert J. Tie holder. 2,895,521, 7-21-59, Cl. 150-1.
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- Weber, Victor, to Robertshaw-Fulton Controls Co. Temperature control for cooking appliances. 2,889,115, 6-2-59, Cl. 236-48.
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- Weber, Victor, C. D. Branson, and F. S. Genbauffe, to Robertshaw-Fulton Controls Co. Thermostatic valve control. 2,909,324, 10-20-59, Cl. 236-99.
- Weber, Victor, W. J. Sanders, and W. J. Russell, to Robertshaw-Fulton Controls Co. Thermostatic control device for fluid fuel burning apparatus. 2,911,152, 11-3-59, Cl. 236-1.
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- Lustig, Howard E., and Weber. 2,887,552.
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- Weber, Wolfgang, and H. Lohest, to Harmer Maschinenfabrik Aktiengesellschaft. Tension and diameter control for a winding motor. 2,915,254, 12-1-59, Cl. 242-45.
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- Webster Electric Co.: See—
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- Webster, Fullerton D., to Mackay Radio and Telegraph Co. Amplifier distortion correction system. 2,877,423, 3-10-59, Cl. 332-37.
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- Edwards, Clyde H., and Webster. 2,878,511.
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- Webster, George J., and C. H. Edwards, to Phillips Petroleum Co. Pelletizing process and apparatus. 2,890,942, 6-16-59, Cl. 23-314.
- Webster, Harry M., to H. K. Porter, Inc. One-hand cable cutter. 2,875,520, 3-3-59, Cl. 30-254.
- Webster Instrument, Inc.: See—
- Webster, Robert A.: 2,896,159.
- Webster, Jack D. Truck and tilting cradle for container. 2,909,297, 10-20-59, Cl. 214-313.
- Webster, James A., to Dow Corning Corp. Preparation of organosilicon compounds. 2,894,968, 7-14-59, Cl. 260-445.2.
- Webster, James D. Bridge for stringed musical instruments having means for adjusting the spacing of the strings. 2,918,837, 12-29-59, Cl. 84-312.
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- Webster, John S., and J. M. Bramhall, to The Sheffield Twist Drill & Steel Co. Ltd. Device for use in grinding twist drills. 2,915,858, 12-8-59, Cl. 51-219.
- Webster, Joseph H. Vehicle maximum speed indicator. 2,903,322, 9-8-59, Cl. 346-18.
- Webster Mfg. Inc.: See—
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- Webster, Owen W., to E. I. du Pont de Nemours and Co. 2,3,6,7 naphthalenetetracarboxylic acid and its functional derivatives. 2,912,442, 11-10-59, Cl. 260-346.3.
- Webster, R. W., & Co. Ltd.: See—
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- Webster, Raymond C.: See—
- Hatfield, Robert L., and Webster. 2,887,546.
- Webster, Raymond C., to W. E. Anderson, Inc. Electrical ground and continuity control. 2,882,494, 4-14-59, Cl. 324-62.
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- Webster, Richard E. Rear horn for vehicles. 2,870,428, 1-20-59, Cl. 340-70.
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- Webster, Roger R., to Texas Instruments Inc. Transistor amplifier circuits. 2,901,558, 8-25-59, Cl. 170-171.
- Webster, Samuel L.: See—
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- Webster, Stokely: See—
- Kenyon, Theodore W., and Webster. 2,870,745.
- Webster, Stokely, and C. E. Barkalow, to United Aircraft Corp. Nonlinear variable resistor. 2,918,642, 12-22-59, Cl. 338-89.

- Wechsler, Harry, P. Bernstein, and R. L. Herbst, to The Borden Co. Separation of alcohols from esters. 2,872,478, 2-3-59, Cl. 260-499.
- Wechter, William J., and G. S. Fonken, to The Upjohn Co. 11a-alkene-11 $\beta$ -hydroxy-5 $\beta$ -pregnanes. 2,897,198, 7-28-59, Cl. 260-239.55.
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- Moore, Thomas M., and Week. 2,880,161.
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- Wedell, Hans, to Bohme Fettechemie G. m. b. H. Compositions for and methods of finishing textile materials. 2,872,351, 2-3-59, Cl. 117-121.
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- Weedman, John A.: See—
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- Weedman, John A., to Phillips Petroleum Co. Separation by crystallization. 2,868,830, 1-13-59, Cl. 260-475.
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- Weeks, Donald L.: See—
- Burns, John H., Dittmer, and Weeks. 2,878,572.
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- Weeks, Lloyd E., to Monsanto Chemical Co. Process for the manufacture of emulsion fuels. 2,892,694, 6-30-59, Cl. 52-5.
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- Weesner, William E., to Monsanto Chemical Co. Complexes of sulfonium compounds. 2,909,543, 10-20-59, Cl. 260-433.
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- Wegner, Josef, to Globo Investment Trust. Luminous wrist-watch. 2,916,871, 12-15-59, Cl. 58-50.
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- Wehmer, Bruno F., to C. P. Peirce. Magnetic belt recorder. 2,899,506, 8-11-59, Cl. 179-100.2.
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- Stein, Wilhelm, and Wehrenmullig. 2,891,455.
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- Wehrli, Federico. Means for treatment of blood with oxygen or ozone and ultraviolet light. 2,887,107, 5-19-59, Cl. 128-214.
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- Wehrly, Jack R.: See—
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- Wei, Pierre, to Societe Financiere et Industrielle pour la fabrication de l'Acide Carbonique Pur et autres Produits alimentaires par abreviation: l'Acide Carbonique Pur. Taps for compressed gas reservoirs. 2,888,276, 5-26-59, Cl. 284-18.
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- Weldler, Ralph W. Basement assembly and prefabricated structural units therefor. 2,915,150, 12-1-59, Cl. 189-34.
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- Weidner, Jack B. Military practice target-supporting vehicle. 2,886,372, 5-12-59, Cl. 296-3.
- Weidner, Jack B. Vehicle mounted ladder. 2,914,134, 11-24-59, Cl. 182-127.
- Weidner, Ralph J., to Allen Electric Equipment Co. Mounting device. 2,884,215, 4-28-59, Cl. 248-205.
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Welsch, William W., to Owens-Corning Fiberglass Corp. Glass composition. 2,877,124, 3-10-59, Cl. 106-54.

Welsch, William W., to Owens-Corning Fiberglass Corp. Glass composition. 2,882,173, 4-14-59, Cl. 106-50.

Welschhof, Peter, to P. E. Tobeler, d.b.a. Trans-Oceanic. Lockable safety pin. 2,896,286, 7-28-59, Cl. 24-158.

Welsler, Brinton, to Chain Belt Co. Chain sideplate construction. 2,869,379, 1-20-59, Cl. 74-245.

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Welsh, Herbert F., E. D. Schreiner, L. R. Mock, and J. P. Eckert, Jr., to Sperry Rand Corp. Tape drive and recording apparatus. 2,901,734, 8-25-59, Cl. 340-174.

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Welsh, James W., to Hoda Corp. Snap action device. 2,870,292, 1-20-59, Cl. 200-113.

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Miner, Frederick I. 2,915,060.

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Welsh, Richard F., Jr., to E. I. du Pont de Nemours and Co. Blasting assembly. 2,916,992, 12-15-59, Cl. 102-22.

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Welty, Albert B., Jr., to Esso Research and Engineering Co. Hydroforming process. 2,902,427, 9-1-59, Cl. 208-65.

Welty, Albert B., Jr., and D. D. MacLaren, to Esso Research and Engineering Co. Method of initiating a catalytic hydroforming process. 2,904,503, 9-15-59, Cl. 208-138.

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 Martin, Paul N. 2,880,307.  
 May, Harry C. 2,889,175.  
 May, Harry C. 2,893,752.  
 May, Harry C. 2,905,507.  
 McClure, Glenn T., and Hursen. 2,918,149.  
 McClure, Glenn T., and Jeffrey. 2,919,163.  
 McGlumphy, George F. 2,874,330.  
 McGowan, Kenneth J. J. 2,893,718.  
 McWilliams, George M. 2,884,953.  
 Mehringer, Edward W. 2,875,326.  
 Morris, Robert B. 2,899,977.  
 Mueller, Emil G. 2,870,873.  
 Mueller, Emil G. 2,913,071.  
 Newell, George K. 2,879,866.  
 Newell, George K. 2,909,294.  
 Norris, Charles E. 2,899,939.

Westinghouse Air Brake Co.: See—Continued  
 Oswald, Robert L., and Cornell. 2,902,594.  
 Paolino, Charles, Jr. 2,884,294.  
 Pauly, Joachim W. 2,884,903.  
 Pier, Jerome R. 2,875,788.  
 Quinlan, Joseph A. 2,881,308.  
 Robison, William A., Jr. 2,901,572.  
 Rush, John W. 2,905,508.  
 Shelly, Dewitt L. 2,875,786.  
 Shelly, De Witt L. 2,918,090.  
 Sorensen, Andrew J. 2,874,337.  
 Staples, Crawford E. 2,874,272.  
 Staples, Crawford E. 2,884,516.  
 Tsiang, Sih H. 2,880,308.  
 Weber, Charles L., Jr. 2,919,164.  
 Wells, Wesley B., and Lockhart. 2,908,197.  
 Yalich, Michael, and Berill. 2,891,144.  
 Westinghouse Brake & Signal Co. Ltd.: See—  
 Butt, Kenneth S. 2,897,420.  
 French, Eric L. 2,875,103.  
 King, Kenneth G., and Tucker. 2,908,857.  
 Lockett, Leslie J. 2,888,818.  
 Wheatley, John D. 2,872,636.  
 Westinghouse-Bremser-Gesellschaft, m.b.H.: See—  
 Arenhold, Karl-Heinz. 2,910,324.  
 Arenhold, Karl-Heinz, and Ortmann. 2,893,415.  
 Nowack, Rudi, and Bachmann. 2,885,171.  
 Westinghouse Electric Corp.: See—  
 Abell, Donald E. 2,917,689.  
 Albert, Paul A. 2,875,114.  
 Aldrich, Donald F., and Newell. 2,871,409.  
 Allen, Ernest W. 2,877,731.  
 Amatell, Harold. 2,892,581.  
 Anderson, Arthur E., and Sack. 2,888,593.  
 Ardito, William A. 2,899,215.  
 Arntzen, Clyde E., and Croop. 2,909,741.  
 Atkinson, Russell H. 2,913,297.  
 Atti, Eros. 2,905,855.  
 Atti, Eros. 2,915,673.  
 Atti, Eros, and Hall. 2,911,563.  
 Austin, Bascom O. 2,913,550.  
 Auman, Max W. 2,883,590.  
 Bailey, Francis T. 2,883,559.  
 Baird, Norman F., and Monahan. 2,916,402.  
 Baker, Benjamin P., and Pierson. 2,909,591.  
 Baker, Floyd A. 2,871,441.  
 Barabutes, Theodore, and Kulick. 2,900,607.  
 Barabutes, Theodore, and Kulick. 2,900,627.  
 Barrett, John J., and Pardeck. 2,882,523.  
 Barrows, Robert C., and Braun. 2,897,383.  
 Baudry, René A. 2,873,393.  
 Baudry, René A. 2,915,655.  
 Baugh, Charles W., Jr. 2,892,018.  
 Baugh, Charles W., Jr. 2,897,360.  
 Baugh, Charles W., Jr. 2,916,545.  
 Bayard, Robert T. 2,879,423.  
 Beach, Edward L., and Steiner. 2,908,809.  
 Benedict, Frank R., and Utakis. 2,880,496.  
 Benke, Frank W. 2,900,611.  
 Bergvall, Royal C. 2,892,098.  
 Bichsel, Harry J., and Adamson. 2,913,653.  
 Bichsel, Harry J., and Baeslack. 2,879,434.  
 Bichsel, Harry J., and Baeslack. 2,897,342.  
 Bilts, Theodore J. 2,913,656.  
 Boden, Samuel H., and Bonine. 2,889,396.  
 Bogert, William M., and Johnson. 2,915,694.  
 Born, William F. 2,883,637.  
 Bottonari, Samuel A. 2,875,300.  
 Bottonari, Samuel A. 2,900,477.  
 Bottonari, Samuel A. 2,913,558.  
 Boyer, John L. 2,910,641.  
 Boyer, John L., Colaiaco, and McWilliams. 2,917,686.  
 Boyer, John L., McWilliams, Colaiaco. 2,889,498.  
 Brenneck, William A. 2,877,511.  
 Bright, Richard L. 2,892,101.  
 Bright, Richard L., and Rover. 2,885,570.  
 Brown, Myron J. 2,883,610.  
 Brown, Myron J. 2,913,592.  
 Brown, Myron J., and Squires. 2,888,575.  
 Brown, Thomas F. 2,883,484.  
 Brown, Thomas F. 2,894,083.  
 Buchanan, Leslie B. M. 2,910,290.  
 Burns, Claude H. 2,877,352.  
 Burt, Donald A., and Van Nice. 2,903,885.  
 Cameron, Robert T. 2,877,845.  
 Cameron, Frank L. 2,891,637.  
 Cameron, Frank L., and Brooks. 2,897,315.  
 Cameron, Frank L., and Harm. 2,911,499.  
 Cametti, Benjamin, and Hage. 2,887,061.  
 Cametti, Benjamin, and Wepfer. 2,874,007.  
 Cametti, Benjamin, and Wepfer. 2,887,062.  
 Camp, Henry R. 2,883,591.  
 Caplis, George W., and Fox. 2,913,697.  
 Carleton, James T. 2,879,464.  
 Castruccio, Peter A., and Woolfson. 2,896,093.  
 Caussin, Charles. 2,905,851.  
 Ceresa, Myron, and Drohne. 2,891,871.  
 Chabala, Leonard V. 2,871,415.  
 Chabala, Leonard V. 2,875,381.  
 Chabala, Leonard V. 2,888,198.  
 Chabala, Leonard V., and Rusnak. 2,871,313.  
 Chauvin, David M., and Mueller. 2,892,080.

Westinghouse Electric Corp.: See—Continued  
 Chivers, James R. 2,901,965.  
 Christian, Carl A., and Champney. 2,888,628.  
 Cody, Clifford S. 2,877,839.  
 Collins, Howard W. 2,875,351.  
 Collins, Zane L., Hayes, and Kiesel. 2,913,582.  
 Connell, Clyde B., and Moses. 2,891,423.  
 Conrad, Joseph D., Sr. 2,913,075.  
 Corson, Bayard R. 2,917,660.  
 Cotter, George H. 2,883,306.  
 Crawford, Thomas G. 2,879,010.  
 Cromer, Charles F. 2,913,559.  
 Cunliff, Thomas W. 2,900,544.  
 Currie, James W., and Jackson. 2,913,726.  
 Cuttino, William H. 2,888,613.  
 Dauberman, William H., and Woodbury. 2,871,434.  
 Decker, Richard O., and Chen. 2,891,726.  
 Decker, Richard O., Pittman, Van Nice, Conner, Hall, and Evans. 2,888,549.  
 Derr, Willard A., and Cham. 2,909,707.  
 Destriau, Georges. 2,885,558.  
 Destriau, Georges. 2,885,559.  
 Destriau, Georges. 2,885,560.  
 Destriau, Georges. 2,901,651.  
 De Val, Eugene J. 2,871,390.  
 Dey, Chester, and Mathews. 2,879,461.  
 Dickerson, Henry A. 2,913,146.  
 Dickinson, Robert C. 2,871,319.  
 Diener, Henry C., Jr. 2,909,259.  
 Dixon, Robert R. 2,901,872.  
 Dorfman, Hiller D., and Geizheiser. 2,883,587.  
 Duffy, Philip A. 2,900,513.  
 Durnal, Robert G. 2,875,333.  
 Dyer, Lloyd W., Born, and Wallace. 2,913,513.  
 Dyer, Tom L., Jr., and Innis. 2,906,910.  
 Eames, William F. 2,900,047.  
 Eames, William F. 2,900,048.  
 Eames, William F. 2,900,521.  
 Eberhart, Arthur H. 2,885,142.  
 Eberhart, Arthur H. 2,896,860.  
 Eberhart, Herman J., and May. 2,896,306.  
 Edelman, Leonard E. 2,909,497.  
 Ehrlich, Fredric F. 2,894,589.  
 Eichelberger, Thomas W. 2,879,194.  
 Eley, Myrle C., and Winters. 2,911,033.  
 Emery, Frederic P. 2,909,672.  
 Emery, Frederic P., and Perkins. 2,909,779.  
 Erickson, John W. 2,875,357.  
 Erickson, John W. 2,909,682.  
 Erickson, Wendell L. 2,913,657.  
 Ewing, Clifton H. 2,903,194.  
 Fahnce, Harold H. 2,879,354.  
 Fannoe, Harold H. 2,917,605.  
 Farr, Kenneth E. 2,875,274.  
 Faught, Harold E. 2,879,936.  
 Fegoly, Hugh S., and Van Ness. 2,900,628.  
 Fields, Arnold C. 2,869,680.  
 Finestone, Arnold B. 2,871,222.  
 Foster, Newton C., and Phillofsky. 2,917,420.  
 Fouse, Samuel S., and Krance. 2,871,285.  
 Fox, Edgar C., Jr., Helmick, and Campbell. 2,871,430.  
 Frakes, James H. 2,889,395.  
 Fraser, Hugh D. 2,892,665.  
 Fraser, William M., and Brush. 2,871,150.  
 Frederick, James E. 2,909,671.  
 Frederick, James E., and Liebel. 2,909,670.  
 Freeman, James H. 2,875,179.  
 Friedrich, Robert E. 2,900,478.  
 Frink, Russell E. 2,871,318.  
 Frink, Russell E., and Olsson. 2,900,464.  
 Frisch, Erling. 2,882,428.  
 Gainer, Gordon C., and Lewis. 2,891,981.  
 Garbun, Max, and Horn. 2,879,424.  
 Gaskill, William A. 2,892,060.  
 Gasparini, Francis A. 2,918,693.  
 Gelzheiser, Francis L., and Flick. 2,904,655.  
 Gerard, William A. 2,912,743.  
 Giboney, Ray E., and King. 2,888,576.  
 Gilmore, John F. 2,901,653.  
 Glassburn, William E. 2,909,708.  
 Goldsborough, Shirley L. 2,917,674.  
 Goldschmidt, Fabio R. 2,874,894.  
 Goreau, Theodore N. 2,905,268.  
 Grauling, Charles H., Jr. 2,917,713.  
 Gray, John A., and Bee. 2,884,687.  
 Green, Elbert D., and Smith. 2,879,503.  
 Greiner, Arno, and Wollentin. 2,877,804.  
 Groves, John N., and Fortman. 2,917,593.  
 Gruenberg, Rudolph A. 2,881,478.  
 Guardiola, Nicolas. 2,913,606.  
 Guentner, Robert L., and Jenny. 2,883,545.  
 Guentner, Robert L., and Koerner. 2,892,089.  
 Guentner, Robert L., and Thomas. 2,909,665.  
 Hagen, Roger W. 2,887,845.  
 Hall, William G., Van Nice, and Evans. 2,874,373.  
 Haller, Clayton L. 2,896,052.  
 Haller, Clayton L. 2,911,514.  
 Halvorson, Robert L. 2,907,874.  
 Halvorson, Robert L., Beale, and Dobyns. 2,875,327.  
 Hansen, Hans E. 2,885,057.  
 Hansen, Hans E. 2,905,308.  
 Hartenstein, Raymond G. 2,917,264.  
 Hartenstein, Raymond G., and Kerley. 2,873,109.  
 Haseli, Henry P., Fox, and Zilaby. 2,876,589.



Westinghouse Electric Corp.: See—Continued  
 Hasell, Henry P., Fox, and Zilaby. 2,876,590.  
 Hayter, Walter R., Jr. 2,911,602.  
 Helsing, Knud J. 2,904,152.  
 Henderson, Stanley D., Jr. 2,905,870.  
 Hertl, Robert. 2,905,434.  
 Hess, James L., Jr. 2,916,718.  
 Hetrick, George L. 2,899,815.  
 Heyser, Lewis S., and Mooney. 2,905,939.  
 Hobbs, Milton M. 2,877,783.  
 Hoffmann, Thomas A., and Rehberg. 2,908,420.  
 Hoge, Henri H., and Holthaus. 2,881,314.  
 Hoge, Henri H., and Spotten. 2,879,412.  
 Holtkamp, Calvin J. 2,914,644.  
 Horn, Merl E. 2,883,483.  
 Howard, James E., Jr. 2,903,158.  
 Howell, Robert J., and Stuntz. 2,879,504.  
 Hughes, John D. 2,884,776.  
 Hughes, John D. 2,910,854.  
 Hulsey, Ronald E., Reeder and Schuh. 2,917,638.  
 Hume, Peter D. 2,907,944.  
 Husson, Charles. 2,909,705.  
 Hutchinson, James O., and Briggs. 2,871,348.  
 Immel, Ralph B. 2,875,301.  
 Immel, Ralph B. 2,887,901.  
 Immel, Ralph B. 2,888,616.  
 Immel, Ralph B., and Nadrowski. 2,875,302.  
 Immel, Ralph B., Nadrowski, and White. 2,875,303.  
 Immel, Ralph B., and White. 2,913,557.  
 Irvin, Charles F. 2,891,829.  
 Jacobsen, Jerome G., Jr. 2,899,816.  
 Jesse, Ralph D. 2,871,422.  
 Johnson, Warren C., and Smart. 2,915,667.  
 Jones, Charles H. 2,892,015.  
 Jones, Charles H. 2,897,261.  
 Jones, Wallace M., and Cain. 2,875,368.  
 Jones, Wesley N. 2,919,416.  
 Kenyon, Alonzo F. 2,871,435.  
 Kerley, James J., Jr., and Sando. 2,913,215.  
 King, George E., and Giboney. 2,905,838.  
 Knochel, William J. 2,871,087.  
 Knoebel, Donald E. 2,917,659.  
 Koch, Gustav H., and Radcliffe. 2,872,988.  
 Koerner, Harry E. 2,892,090.  
 Korner, Renzo L., Rieger, and McCurdy. 2,871,086.  
 Korodl, Paul C. 2,904,364.  
 Korodl, Paul C. 2,914,218.  
 Kozlovic, John M., and Frink. 2,889,433.  
 Kraft, Joseph K., and Rissler. 2,879,898.  
 Kruper, Andrew P. 2,875,360.  
 Kruper, Andrew P. 2,897,421.  
 Kruper, Andrew P., and Miller. 2,875,375.  
 Lackey, Robert S., and Glover. 2,916,917.  
 Lackey, Robert S., and Houtz. 2,887,885.  
 Laffoon, Carthrae M., and Moses. 2,917,044.  
 Langer, Stanley H. 2,871,454.  
 Large, William E. 2,900,573.  
 Large, William E., and Hartwig. 2,883,583.  
 Large, William E., and Hartwig. 2,892,148.  
 Lawthers, Dean D. 2,883,284.  
 Lederer, Ernest A. 2,885,589.  
 Lederer, Ernest A. 2,899,257.  
 Lederer, Ernest A. 2,915,661.  
 Leeds, Winthrop M. 2,913,556.  
 Lempert, Joseph. 2,871,402.  
 Lempert, Joseph. 2,896,088.  
 Lenehan, Bernard E. 2,883,622.  
 Lenehan, Bernard E. 2,909,728.  
 Lenehan, Bernard E. 2,913,667.  
 Lensner, Herbert W., and Rockefeller. 2,897,406.  
 Leonard, Merrill G. 2,892,127.  
 Lessmann, Gerhard P. 2,913,604.  
 Lester, Ray V. 2,871,411.  
 Lewis, Daniel W. 2,899,403.  
 Ley, Gordon S. 2,905,750.  
 Liebel, John T. 2,913,588.  
 Lingal, Harry J. 2,913,129.  
 Lingal, Harry J. 2,889,434.  
 Lipscomb, George W. 2,905,900.  
 List, William F. 2,890,380.  
 Lloyd, Wayne B. 2,889,815.  
 Loehr, Albert H. 2,916,199.  
 Longini, Richard L. 2,900,445.  
 Lopenski, Stanley A., and Childs. 2,884,895.  
 Losch, Kenneth, and Petrocelli. 2,913,601.  
 Losco, Ezekiel F., Bechtold, and Webb. 2,874,453.  
 Losco, Ezekiel F., and Strull. 2,909,453.  
 Lowry, Lewis R., Jr., and Ernsberger. 2,896,149.  
 Lund, Alvin O., and Fink. 2,886,137.  
 Lynn, Lawrence B. 2,899,828.  
 MacNeill, John B., Florschutz, and Niebauer. 2,892,057.  
 Mahler, Charles J., and White. 2,871,323.  
 Mahler, Charles J., White, and Immel. 2,871,322.  
 Maier, Alfred E., and Taylor. 2,883,585.  
 Mangan, Paul C., and Kohman. 2,892,307.  
 Marbury, Ralph E. 2,900,578.  
 Marden, John W. 2,915,946.  
 Marden, John W., Wroughton, and Baker. 2,916,535.  
 Marsh, Charles R. 2,876,375.  
 Marshall, Donald E. 2,917,649.  
 Matthews, Jennie. 2,899,822.  
 McGeary, Robert K., and Leggett. 2,888,343.  
 McGinnis, Ralph E. 2,918,255.

Westinghouse Electric Corp.: See—Continued  
 McLane, Fletcher E. 2,888,621.  
 McLean, John A., Jr. 2,877,031.  
 Mel, Anthony J., and Widmer. 2,907,556.  
 Meier, Arthur P. 2,877,925.  
 Meisinger, Harold H. 2,890,690.  
 Melamed, Nathan T., and Kruper. 2,885,513.  
 Metz, Weldon L., and Derr. 2,909,709.  
 Miller, Carl F. 2,897,395.  
 Miller, Carl F. 2,909,700.  
 Miller, Carl F., and McCurdy. 2,892,119.  
 Miller, Carl F., McCurdy, and Lederer. 2,907,911.  
 Miller, Carl F., and Smart. 2,913,805.  
 Miller, Carl F., Smart, and Feaster. 2,909,200.  
 Mider, Theodore. 2,879,325.  
 Mindt, Frederick E., and Schmidt. 2,900,603.  
 Minter, Herbert F., and Foster. 2,871,420.  
 Mitchell, William H., and Percy. 2,900,539.  
 Mittleman, Edward R. 2,913,685.  
 Moehler, Otto J. 2,877,806.  
 Morse, William H. 2,900,537.  
 Moy, Tsou K., and Hennig. 2,875,580.  
 Muss, Daniel R., and Longini. 2,879,481.  
 Narbutovskii, Paul, now by change of name Paul Narbut. 2,875,263.  
 Neal, Robert A. 2,875,613.  
 Nelson, James K. 2,891,355.  
 Netzer, Henry. 2,888,541.  
 Nicholson, William H. 2,904,962.  
 Noiles, Douglas G. 2,917,653.  
 Okress, Ernest C. 2,909,701.  
 Okress, Ernest C., and Green. 2,871,407.  
 Oplinger, Kirk A. 2,874,806.  
 Owens, James B. 2,911,506.  
 Parriss, William J. 2,917,679.  
 Penney, James H., and Wren. 2,878,911.  
 Perkins, Harley A., Jr. 2,871,442.  
 Perkins, Harley A., Jr. 2,888,577.  
 Perrenod, Charles A. 2,916,396.  
 Petrocelli, Edward A. 2,917,698.  
 Petzinger, Ambrose J. 2,875,408.  
 Petzinger, Ambrose J. 2,875,408.  
 Petzinger, Ambrose J. 2,879,475.  
 Petzinger, Ambrose J. 2,905,901.  
 Petzinger, Ambrose J., and Hogenblirk. 2,888,644.  
 Picha, George J., and Winkler. 2,883,519.  
 Plagge, Vernon L., and Boyce. 2,901,646.  
 Pouchet, Walter D. 2,914,921.  
 Price, George E. 2,872,558.  
 Putkovich, Rudy P., and Thompson. 2,897,433.  
 Raczynski, Andrew T. 2,884,551.  
 Radus, Raymond J., and Evans. 2,892,155.  
 Ralston, George. 2,905,751.  
 Ralston, George, and Farr. 2,888,604.  
 Rambo, Sheldon I. 2,874,575.  
 Rambo, Sheldon I. 2,900,576.  
 Redmond, John A., Peach, Wuerfel, and Weight. 2,900,479.  
 Reeder, James R., and Hulsey. 2,883,561.  
 Reeder, James R., Schuh, and Lowry. 2,885,568.  
 Rehberg, Richard A., and Williams. 2,912,949.  
 Retzer, Theodore C. 2,916,671.  
 Retzer, Theodore C., and Gingras. 2,876,377.  
 Retzer, Theodore C., and Meola. 2,916,669.  
 Reuther, John F., and Stillman. 2,892,102.  
 Rovere, Paul E., and Keith. 2,903,385.  
 Rexroad, James O., and Born. 2,894,084.  
 Riesz, Kolman. 2,879,478.  
 Rively, Clair M., and Daines. 2,882,387.  
 Rively, Clair M., and Midgley. 2,903,561.  
 Roberts, John W. 2,869,678.  
 Roberts, William L. 2,871,385.  
 Roberts, William L., and Colman. 2,875,349.  
 Robinson, Robert C. 2,915,654.  
 Rogers, Dow A., Jr., and Lewis. 2,883,395.  
 Rohrer, Kenneth L. 2,891,879.  
 Rokosz, Ferdinand, and Edgerly. 2,908,249.  
 Roos, William J. 2,908,347.  
 Rosenberg, Barnett. 2,916,630.  
 Rowe, William D. 2,913,597.  
 Rugg, Harold H. 2,878,300.  
 Sack, Edgar A., Jr. 2,917,667.  
 St. John, William, and Hoffmann. 2,908,490.  
 Sandlin, Jerome, and Shepard. 2,875,382.  
 Sando, Robert M., and England. 2,891,785.  
 Sanner, George E. 2,909,655.  
 Sauer, Louis E. Re. 24,751.  
 Sauer, Louis E. 2,876,193.  
 Scheffler, Paul H., Jr. 2,888,097.  
 Scheffler, Paul H., Jr., and Young. 2,888,286.  
 Schibley, Raymond D. 2,877,761.  
 Schlewe, Arthur J., and Chen. 2,915,710.  
 Schlemm, Norman H., Jr. 2,909,681.  
 Schmidt, Warren J. 2,871,421.  
 Schmidt, Warren J., and Axman. 2,879,479.  
 Schmidt, Warren J., and Axman. 2,889,494.  
 Schmidt, Warren J., and Kadri. 2,871,448.  
 Schmidt, Warren J., and Rudy. 2,900,604.  
 Schneeberger, Robert J. 2,879,400.  
 Schneeberger, Robert J. 2,900,555.  
 Scholtes, Donald R. 2,879,386.  
 Schrameck, Jack E., and Soles. 2,919,316.  
 Schubert, Ernest J. 2,879,458.

Westinghouse Electric Corp.: See—Continued  
 Schubert, Ernest J. 2,917,639.  
 Schuh, Niles F., Reeder, Lowry, and Hulsey. 2,885,569.  
 Schwab, Richard L. 2,896,152.  
 Seidel, Martin P., and Bell. 2,909,740.  
 Seidel, Martin P., and Cooks. 2,892,168.  
 Seidensticker, Raymond G. 2,907,969.  
 Sempsel, Kenneth E. 2,914,935.  
 Sirles, John P., May, and Eberiel. 2,870,938.  
 Skaggs, John W. 2,907,958.  
 Slebodnik, Thomas W., and Rau. 2,913,688.  
 Sloan, Truman K., and Ford. 2,892,166.  
 Smith, Clarence M. 2,872,551.  
 Smith, Frank V., and Wells. 2,913,591.  
 Smith, Harry B. 2,871,468.  
 Smith, Harry B. 2,905,817.  
 Smith, Joseph W., and Samios. 2,913,651.  
 Sorenson, Ralph Z. 2,910,929.  
 Spanning, Charles W., and Pelz. 2,883,487.  
 Speck, Willis A. 2,909,757.  
 Squires, Rathbun B., and Ballinger. 2,900,605.  
 Sterling, Robert F. 2,917,607.  
 Stornaglass, Ernest J. 2,906,841.  
 Stornaglass, Ernest J. 2,916,664.  
 Stornaglass, Ernest J., and Feibelman. 2,898,499.  
 Straka, Cyril J., and Weltman. 2,885,386.  
 Stringer, Loren F. 2,871,437.  
 Strull, Gene. 2,879,188.  
 Stubbe, Ralph R. 2,917,572.  
 Stull, Kiefer S., Jr. 2,900,457.  
 Summers, William J., and Hasell. 2,882,214.  
 Sunderlin, Joseph E. 2,883,563.  
 Tarlton, Russell A. 2,880,488.  
 Taylor, Owen L. 2,917,610.  
 Teague, William L., and McWhirter. 2,892,169.  
 Thorpe, Robert J., and Waters. 2,870,826.  
 Toulon, Pierre M. G. 2,875,380.  
 Toulon, Pierre M. G. 2,917,574.  
 Travis, Lawrence R., Heller, and Petrick. 2,917,735.  
 Travis, Lawrence R., and Petrick. 2,905,014.  
 Tremaine, Richard L. 2,917,672.  
 Trigg, Warren M., and McBride. 2,904,875.  
 Tull, Robert H. 2,891,389.  
 Tusing, Roy S. 2,888,615.  
 Upton, Chester W., Jr. 2,905,794.  
 Van Ness, Hubert W. 2,888,550.  
 Van Sickle, Roswell C. 2,917,602.  
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- Wettstein, Albert, E. Vischer, C. Meystre, and L. Ehmann, to Ciba Pharmaceutical Products Inc. New 1-dehydro-testosterones and esters thereof. 2,871,245, 1-27-59, Cl. 260-397.4.
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- Wettstein, Albert, and E. Visser, to Ciba Pharmaceutical Products, Inc. Process for degradation of side chain of androstane and pregnane compounds. 2,904,472, 9-15-59, Cl. 195-51.
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- Wetty, Stephen A., to S. A. Wetty & Sons. Golf club head. 2,880,002, 3-31-59, Cl. 273-169.
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- Wetzel, Charles H., to Wayne Iron Works. Closure sealing device. 2,870,495, 1-27-59, Cl. 20-68.
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- Wetzel, Theodore A., to Kearney & Trecker Corp. Pattern controlled machine tool. 2,869,429, 1-20-59, Cl. 90-13.5.
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- Wetzel, Wilfred W., to Minnesota Mining & Mfg. Co. Magnetic recording of television signals. 2,907,818, 10-6-59, Cl. 178-6.6.
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- Weyl, Woldemar A., to The Harshaw Chemical Co. Ceramic pigment. 2,875,086, 2-24-59, Cl. 106-290.
- Whalen, Charles E., to The Warren Featherbone Co. Wearing apparel for babies. 2,880,727, 4-7-59, Cl. 128-288.
- Whalen, Frank B., to Lone Star Boat Co. Boat trailers. 2,901,138, 8-25-59, Cl. 214-506.
- Whalen, James W. Variable drive transmission. 2,903,897, 9-15-59, Cl. 74-200.
- Whalen, Joseph J. Paint applicator. 2,907,061, 10-6-59, Cl. 15-114.
- Whalen, Richard T., and R. G. D'Ascoli, to Anaconda Wire and Cable Co. Manufacture of high frequency cable. 2,885,737, 5-12-59, Cl. 18-59.
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- Wheatley, Charles. Hydraulic check valve. 2,888,950, 6-2-59, Cl. 137-514.
- Wheatley, Charles. Check valve. 2,918,934, 12-29-59, Cl. 137-527.2.
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- Wheaton, Dennis L. Signs with means for removably securing thereon various display indicia. 2,916,839, 12-15-59, Cl. 40-143.
- Wheaton, Estel O., to Roll Dippers, Inc. Method of cleaning pipe lines. 2,906,650, 9-29-59, Cl. 134-8.
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- Wheelbarger, Albert S., to Rockwell Mfg. Co. Variable gear reduction unit. 2,902,872, 9-8-59, Cl. 74-325.
- Wheeler, Douglas W. E., to Muirhead & Co. Ltd. Facsimile telegraph systems. 2,911,464, 11-3-59, Cl. 178-6.6.
- Wheeler, Albert R. Equipment hose and flexible tube support. 2,879,020, 3-24-59, Cl. 248-75.
- Wheeler, Bryce A., to Hughes Aircraft Co. Pivotal knife-edge electrical contact and a method of manufacture thereof. 2,883,636, 4-21-59, Cl. 330-8.
- Wheeler, Byrhl F. Evaporative wheel. 2,879,979, 3-31-59, Cl. 261-92.
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- Wheeler, Donald D., and D. C. Young, to The Dow Chemical Co. 3 (3-nitroanilino) phthalide. 2,886,576, 5-12-59, Cl. 260-343.3.
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- Wheeler, Gershon J., and C. P. Williams, to United States of America, Navy. Waveguide switch. 2,877,423, 3-10-59, Cl. 333-7.
- Wheeler, Harold A., to Polaroid Electronics Corp. Rotating beacon antenna. 2,907,032, 9-29-59, Cl. 343-758.
- Wheeler, Harold A., to General Motors Corp. Saturated reactor remote control tuning. 2,916,619, 12-8-59, Cl. 250-40.
- Wheeler, Harold E. Box tools. 2,906,156, 9-29-59, Cl. 82-19.
- Wheeler, Harold W. Pipe-turning mandrels. 2,914,330, 11-24-59, Cl. 279-2.
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- Wheeler, James E. Depository drawer. 2,914,244, 11-24-59, Cl. 232-44.
- Wheeler, John H. and R. L. Machine for harvesting crops. 2,882,976, 4-21-59, Cl. 171-128.
- Wheeler, Keith W., J. K. Seyler, F. P. Palopoli, and F. J. McCarty, to The Wm. S. Merrell Co. N-substituted benzhydrol, benzhydrol, and benzhydrylidene piperidine. 2,898,339, 8-4-59, Cl. 260-293.4.
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- Wheeler, Lionel H., and R. B. Robertson, to H. E. Boyay, Jr., Consulting Engineers. Material transfer and storage. 2,880,892, 4-7-59, Cl. 214-17.
- Wheeler, Myron S., to Westinghouse Electric Corp. Temperature compensated ultra high frequency reference cavity. 2,883,630, 4-21-59, Cl. 333-83.
- Wheeler, Philip T. Masonry drill. 2,870,036, 3-24-59, Cl. 255-61.
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- Wheeler, Will L., L. E. Hall, and E. J. Kellogg, to North American Aviation, Inc. Method of shaping heated aluminum billets with zinc alloy dies. 2,906,019, 9-29-59, Cl. 29-552.2.

- Wheeler, William G. Food segregating rack for refrigerator shelves. 2,889,054, 6-2-59, Cl. 211-153.
- Wheeler, William N. Toy. 2,903,265, 9-8-59, Cl. 273-98.
- Wheeler, William N. Toy gun. 2,909,000, 10-20-59, Cl. 46-191.
- Wheeler, William R., to Sylvania Electric Products Inc. Cathode-grid spacing means. 2,872,609, 2-3-59, Cl. 313-256.
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Ries, William M. 2,912,725.
- Wheelock, Charles E., to Phillips Petroleum Co. Unsaturated polyester vinylmonomer, heterocyclic nitrogen monomer and method of preparing laminated article therefrom. 2,898,259, 8-4-59, Cl. 134-140.
- Wheelock, Charles E., to Phillips Petroleum Co. Resins from epoxidized polymers and polyhydric alcohols. 2,914,490, 11-24-59, Cl. 260-2.
- Wheelock, Charles E., to Phillips Petroleum Co. Thermo-setting composition containing a liquid polymer of a diene and an ester, process for making same and articles thereof. 2,919,220, 12-29-59, Cl. 154-140.
- Wheelock, Charles E., and B. Franzus, to Phillips Petroleum Co. Curing epoxidized diene polymers with hydrazine and carbon disulfide. 2,876,214, 3-3-59, Cl. 260-79.5.
- Wheelock, Lewis T.: See—  
Woodbury, William W., Wheelock, and Toben. 2,884,619.
- Wheelock Signals, Inc.: See—  
Bean, Roscoe D. 2,875,433.
- Wheelock, Silas M., to Pacific Mills. Method and apparatus for continuous production of liquid treated crimped textile fibers. 2,867,005, 1-6-59, Cl. 19-66.
- Wheelright, Earl J., to United States of America, Atomic Energy Commission. Process of preparing a fluoride of tetravalent uranium. 2,874,026, 2-17-59, Cl. 23-14.5.
- Wheel Trueing Tool Co.: See—  
Klapka, Karl J. 2,870,994.
- Wheelwright, Edward H., D. J. Bonness, and W. Whitehorn, to Waco Ltd. Rocket-type line-throwing apparatus. 2,876,702, 3-10-59, Cl. 102-89.
- Whelan, James P., to Pneumatic Scale Corp., Ltd. Infusion bag. 2,869,718, 1-20-59, Cl. 206-5.
- Whelan, James P., to Pneumatic Scale Corp., Ltd. Conveyor. 2,879,882, 3-31-59, Cl. 198-33.
- Whelan, James P., to Pneumatic Scale Corp., Ltd. Infusion bag. 2,895,598, 7-21-59, Cl. 206-5.
- Whelan, James P., to Pneumatic Scale Corp., Ltd. Container cleaning machine. 2,915,773, 12-8-59, Cl. 15-304.
- Whelpley, Gordon E.: See—  
Holdeman, John W., Masko, Polomski, and Whelpley. 2,895,344.
- Whelpley, Gordon E., to Borg-Warner Corp. Transmission. 2,886,984, 5-19-59, Cl. 74-759.
- Whetsel, Howard B.: See—  
Mills, Gordon F., and Whetsel. 2,874,176.
- Whessoe Ltd.: See—  
Williams, Harry, and Holliday. 2,900,486.
- Whetstone, Richard R.: See—  
Stiles, Alan R., and Whetstone. 2,894,014.
- Whetstone, Richard R., W. J. Raab, and W. E. Hall, to Shell Development Co. Complex arylphosphonates. 2,867,646, 1-6-59, Cl. 260-461.
- Whetter, Lloyd A., to Sperry Rand Corp. Phase detector. 2,900,506, 8-18-59, Cl. 250-31.
- Whiffen and Sons Ltd.: See—  
Hawkins, John G. 2,901,446.
- Whipple, Francis O., to Crown Zellerbach Corp. Preservative cellulosic product for fruits and process of making the same. 2,883,322, 4-21-59, Cl. 167-39.
- Whipple, George H.: See—  
Denison, Jack T., Farlow, Muettterties, and Whipple. 2,884,467.
- Whipple, Harry O., to Rockwell Mfg. Co. Apparatus for die casting. 2,905,990, 9-29-59, Cl. 22-93.
- Whipple, Jack V. H., and A. L. Odmark, to The Brunswick-Balke Collender Co. Bowling pin handling apparatus. 2,887,318, 5-19-59, Cl. 273-43.
- Whipple, Richard J., and H. E. Bowes, to Philco Corp. Broadcast receivers. 2,872,677, 2-3-59, Cl. 343-702.
- Whippo, Walter B., to International Business Machines Corp. Ribbon mechanism. 2,902,136, 9-1-59, Cl. 197-165.
- Whippo, Walter B., to International Business Machines Corp. Ribbon lift mechanism. 2,918,008, 12-29-59, Cl. 197-157.
- Whirl-Air-Flow Corp.: See—  
Anselman, George W., and Babcock. Re. 24,716.
- Whirlaway Tire Corp., The: See—  
Williams, Clyde K. 2,878,853.
- Whirl-Clean Corp.: See—  
Boyles, Carroll H. 2,913,752.



- Whirlpool Corp.: See—  
Beckett, Leo G., and Tober. 2,881,601.  
Billings, Charles K., and Platt. 2,899,717.  
Bradley, Addison B. 2,875,947.  
Brosene, William G., Jr., and De Selms. 2,874,768.  
Buzicky, Edmund J. 2,891,833.  
Clearman, Jack F. 2,918,739.  
Clearman, Jack F. 2,918,927.  
Cobb, Clifton A. 2,883,174.  
Diamond, William J. 2,874,847.  
Dunstan, Philip E. 2,874,762.  
Fisher, Daniel R., Jr., and Karecki. 2,867,711.  
Goldhof, Peter E. 2,871,688.  
Hall, Emory L. 2,868,828.  
Hall, Emory L. 2,904,738.  
Heath, Dudley E. Re. 24,628.  
Johnson, Robert E., Levit, and Workman. 2,881,780.  
Kublienschmidt, Donald, and Fowler. 2,891,754.  
Lake, Robert E. 2,904,983.  
Levit, Edward C., and Lopp. 2,894,631.  
Lindenschmidt, Robert E. 2,882,115.  
Morrison, Harold E. 2,867,272.  
Nyberg, Curt E. 2,875,466.  
Ohmann, William, and Dunes. 2,918,812.  
Rickett, William R. 2,915,888.  
Schaff, Willard A., and Simes. 2,869,633.  
Sparklin, Charles H. 2,903,535.  
Swanson, Donald F. 2,909,907.  
Swanson, Donald F., and Winkler. 2,916,891.  
Wayne, Joseph C. 2,890,533.  
Wellborn, John M. 2,880,597.  
Wolske, Lawrence E. 2,885,931.  
Whisenant, Frank E.: See—  
Skelton, Charles W., Mason, and Whisenant. 2,886,661.  
Whisenant, James M., to The Dow Chemical Co. Preparation of 1,4-oxathiane. 2,894,956, 7-14-59, Cl. 260—327.  
Whisler, Alfred H. Means for converting highway motor vehicles for railway travel. 2,896,553, 7-28-59, Cl. 105—215.  
Whisler, Carl C.: See—  
Rostedt, Fred, Jr. 2,896,440.  
Whisler, Ralph H., and R. L. Christian, to The Gabriel Co. Damped air valve. 2,918,273, 12-22-59, Cl. 267—34.  
Whisler, Thomas C., Sr., to American Brake Shoe Co. Dipper teeth. 2,901,845, 9-1-59, Cl. 37—142.  
Whisnant, John K., to American Enka Corp. Vacuum wheel for extracting liquid from tow. 2,871,502, 2-3-59, Cl. 15—306.  
Whistler, Charles C., Jr., to General Motors Corp. Refrigerating apparatus. 2,869,222, 1-20-59, Cl. 29—157.3.  
Whistler, Lawrence V., Jr.: See—  
Whistler, Lawrence V., Sr., and L. V. Whistler, Jr. 2,883,243.  
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Whistler, Lawrence V., Sr., and L. V. Whistler, Jr. Guide pin apparatus for die sets. 2,883,243, 4-21-59, Cl. 308—5.  
Whistler, Lawrence V., Sr., and L. V. Whistler, Jr. Dowel structure including expansion and tapered pin means. 2,901,787, 9-1-59, Cl. 20—92.  
Whiston, Edmund B. Illuminated clock. 2,895,938, 7-14-59, Cl. 240—21.  
Whitacre, John R.: See—  
Homer, Howard J., and Whitacre. 2,872,350.  
Homer, Howard J., and Whitacre. 2,884,337.  
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Nack, Herman R., Homer, and Whitacre. 2,896,570.  
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Whitaker, Arthur C.: See—  
Gilbert, William I., and Whitaker. 2,889,375.  
Whitaker, Carl F. Finishing machine. 2,881,567, 4-14-59, Cl. 51—5.  
Whitaker, Carl F. Abrasive wheel. 2,885,835, 5-12-59, Cl. 51—194.  
Whitaker, Grant E. Collapsible wire reel. 2,909,340, 10-20-59, Cl. 242—115.  
Whitaker, Henry P.: See—  
Seamans, Robert C., Jr., Whitaker, Wilkins, and Wingate. 2,868,481.  
Whitaker, Herbert W. Engine fumes eliminator. 2,877,701, 3-17-59, Cl. 98—43.  
Whitaker, James N. Shaft-reciprocated debarking tool mounted in swingable guideway. 2,882,942, 4-21-59, Cl. 144—208.  
Whitaker, John E. Display rack. 2,892,547, 6-30-59, Cl. 211—147.  
Whitaker, Randall, to National Dairy Products Corp. Process for producing creamed cottage cheese. 2,867,537, 1-6-59, Cl. 99—178.  
Whitaker Reed Co.: See—  
Hutchins, Richard B. 2,914,094.  
Whitaker, William D.: See—  
Parker, Wilton E., Whitaker, Getz, Hertzog, and Chapman. 2,908,189.  
Whitbeck, Roland A. Fishing tackle. 2,890,004, 6-9-59, Cl. 242—84.1.  
Whitbourne, Richard J., to Eastman Kodak Co. Solvent composition. 2,891,849, 6-23-59, Cl. 41—43.

- Whitby, Lawrence, to The Dow Chemical Co. Magnesium-zinc paint pigments. 2,877,126, 3-10-59, Cl. 106—290.  
Whitby, Lawrence, to The Dow Chemical Co. Composition for and method of chrome pickling of magnesium shapes. 2,887,418, 5-19-59, Cl. 148—6.2.  
Whitcher, Lewis L. Milk releaser. 2,880,700, 4-7-59, Cl. 119—14.05.  
Whitcomb, John O., to W. O. Hickok Mfg. Co. Round-cornering machine. 2,887,156, 5-19-59, Cl. 164—59.  
Whitcomb, Richard T. Fuselage shaping to reduce the strength of shock waves about airplanes at transonic and supersonic speeds. 2,874,922, 2-24-59, Cl. 244—130.  
Whitcomb, Richard T. Fuselage shaping to reduce the strength of the initial shock wave on lifting airplane wings. 2,898,059, 8-4-59, Cl. 244—130.  
Whitcomb, William C.: See—  
Hill, Joseph F., Whitcomb, and Van Horn. 2,893,097.  
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Ainsworth, John R., Lutyens, and White. 2,867,262.  
White, Alan D., to International Telephone and Telegraph Corp. Gas tube microwave detector. 2,877,417, 3-10-59, Cl. 324—95.  
White, Alan D., and J. F. Heney, to International Telephone and Telegraph Corp. Non-scanning frequency analyzer. 2,900,954, 9-29-59, Cl. 324—77.  
White, Allen A., to Hession Mfg. Co., Inc. Means for mounting rotatable power-transmitting members on rotatable axial members. 2,883,217, 4-21-59, Cl. 287—52.  
White, Bernard B. Strap mount. 2,894,552, 7-14-59, Cl. 150—12.  
White Cap Co.: See—  
McElroy, Robert K., and Smith. 2,876,605.  
Unger, Harold W., and Zipper. 2,874,863.  
Zipper, Donald H., Unger, and Moloney. 2,880,901.  
White, Cecil F. Compresses. 2,876,696, 3-10-59, Cl. 100—25.  
White, Charles E.: See—  
Fischer, Edwin L., and White. 2,908,916.  
White, Charles S. Molded bearing having low friction mating surfaces. 2,885,248, 5-5-59, Cl. 308—239.  
White, Charles S. Sealing and bearing device having low friction sealing faces. 2,906,552, 9-29-59, Cl. 288—17.  
White, Charles S. Barrier and bonding material for low friction surface. 2,907,612, 10-6-59, Cl. 308—238.  
White, Charles S. Flexible low friction piston. 2,911,270, 11-3-59, Cl. 309—23.  
White, Charles W.: See—  
McLeod, Duncan T. 2,893,579.  
White, Chester N., to Sun Oil Co. Well drilling composition and method. 2,890,753, 6-16-59, Cl. 166—42.  
White, Clayton H.: See—  
Joachim, Joseph G., and White. 2,903,288.  
White, Cleveland J. Therapeutic composition comprising powdered maize cob. 2,890,151, 6-9-59, Cl. 167—58.  
White, Clyde G. Body contour apparel. 2,917,051, 12-15-59, Cl. 128—522.  
White, Darrell C.: See—  
Hollerith, Charles, Flansburgh, and White. 2,918,775.  
White, David, Co.: See—  
Glowosky, Harry L. 2,911,879.  
Graef, John N. 2,899,880.  
White Development Corp.: See—  
White, John U. 2,899,561.  
White, Donald R., to General Electric Co. Fluid flow apparatus. 2,910,830, 11-3-59, Cl. 60—39.77.  
White, Edgar E. Toothpick dispenser. 2,895,638, 7-21-59, Cl. 221—224.  
White, Edgar F. Combined paint brush and roller trays. 2,909,797, 10-27-59, Cl. 15—121.2.  
White, Edward A., to Chas. Pfizer & Co., Inc. Pellet implanter. 2,907,327, 10-6-59, Cl. 128—217.  
White, Effie E.: See—  
Miller, Eldon F. 2,910,840.  
White, Ellis R., to Shell Development Co. Aromatic dialdehydes. 2,902,516, 9-1-59, Cl. 260—599.  
White, Elmer E.: See—  
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Hixon, Philip E., and White. 2,892,394.  
White, Eric A.: See—  
Turner, Roy, and White. 2,893,953.  
White, Eric L. C.: See—  
Huntley, Keith G., and White. 2,906,870.  
White, Ezra L., to Rock of Ages Corp. Monument ornament. 2,893,151, 7-7-59, Cl. 41—34.  
White, Frank L.: See—  
Brooker, Leslie G. S., and White. 2,882,159.  
White, Fred J. Brake operating means. 2,899,022, 8-11-59, Cl. 188—2.  
White, Fred K., Jr.: See—  
Marron, Thomas U., White, and Rosenberger. 2,875,046.  
White, Gale, to Texas Instruments Inc. Apparatus for recording and playback. 2,917,588, 12-15-59, Cl. 179—100.2.  
White, Garland L.: See—  
Crone, Billie L., and White. 2,890,752.  
White, Gerald, to Libbey-Owens-Ford Glass Co. Tempering of sheet material. 2,881,565, 4-14-59, Cl. 49—45.  
White, Gerald A.: See—  
Place, James A., Thomas, and White. 2,914,906.  
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Phreaner, Ellis H. 2,891,923.

- White, Hal L.: See—  
Broadway, Jack L., and White. 2,896,669.  
White, Halbert C.: See—  
Britton, Edgar C., and White. 2,881,183.  
White, Halbert C., and E. C. Britton, to The Dow Chemical Co. Foodstuffs containing N-acetyllysines. 2,879,164, 3-24-59, Cl. 99—14.  
White, Harvey J., to Corning Glass Works. Band assembly. 2,886,366, 5-12-59, Cl. 294—31.2.  
White, Henry G.: See—  
Coffey, David, Johnson, and White. 2,880,192.  
White, Herbert E. Telescopic pipe joint with tolerance accommodating means. 2,880,021, 3-31-59, Cl. 285—328.  
White, Herbert E. Fitting and spring clip for connecting same to a pipe. 2,880,023, 3-31-59, Cl. 287—20.  
White, Herman E. Bolt puller. 2,900,169, 8-18-59, Cl. 254—20.  
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Hixon, Philip E., and White. 2,892,394.  
White, Robert S. Antifriction gascheck wads. 2,911,911, 11-10-59, Cl. 102—38.  
White, Horace W., to The National Standard Co. Ltd. Wire sleeving apparatus. 2,913,014, 11-17-59, Cl. 140—88.  
White, Howard D., and H. J. Tennswood, to Revco, Inc. Compartments for refrigerators. 2,908,539, 10-13-59, Cl. 312—295.  
White, Howard J., Jr., and D. M. Cates, to Textile Research Institute. Cellulose containing polymeric materials and method of producing the same. 2,868,744, 1-13-59, Cl. 260—17.4.  
White, Howard T., to Fostoria Corp. Motor driven pumps. 2,906,208, 9-29-59, Cl. 103—87.  
White, Howard T. Balanced rotary four way valve. 2,907,349, 10-6-59, Cl. 137—624.  
White, Howard T., to Fostoria Corp. Motor driven pumps. 2,913,988, 11-24-59, Cl. 103—87.  
White Industries, Inc.: See—  
Zolyn, Kazimir S. 2,868,405.  
White, Ivan J. Dog track lure mechanism. 2,869,478, 1-20-59, Cl. 104—131.  
White, James C., to Williamsburg Chair Factory, Inc. Infant play pen. 2,913,739, 11-24-59, Cl. 5—99.  
White, James E. Vice for use with a sawhorse. 2,907,238, 10-6-59, Cl. 81—41.  
White, James S.: See—  
Dublin, Maurice T., and White. 2,919,200.  
White, James W., to Columbian Carbon Co. Method of coagulating rubber latices. 2,915,489, 12-1-59, Cl. 260—33.6.  
White, John E., to General Electric Co. Method of activating thermionic emitter. 2,913,629, 11-17-59, Cl. 315—103.  
White, John R., to Hazeltine Research, Inc. Color-image-reproducing apparatus. 2,876,372, 3-3-59, Cl. 313—84.  
White, John R., to Hazeltine Research, Inc. Color signal-matrixing apparatus. 2,882,336, 4-14-59, Cl. 178—5.4.  
White, John U., to The White Development Corp. Circuits for use in measuring systems. 2,899,561, 8-11-59, Cl. 250—83.3.  
White, John W., to National Standard Co. Method of manufacturing tire beads. 2,902,088, 9-1-59, Cl. 154—14.  
White, John W., to Technical Oil Tool Corp. Wound clip and extractor therefor. 2,910,067, 10-27-59, Cl. 128—334.  
White, Jonathan W., Jr., to United States of America, Agriculture. Packaged honey and method of packaging same. 2,902,370, 9-1-59, Cl. 99—171.  
White, Kenneth H., to Minneapolis-Honeywell Regulator Co. Inertial apparatus. 2,900,823, 8-25-59, Cl. 74—5.5.  
White, Leland M.: See—  
Caddwell, Sidney M., White, Black, and Varvaro. 2,873,790.  
White, Leslie E.: See—  
Newton, Charles L., and White. 2,895,724.  
White, Lloyd C.: See—  
Evans, Frederick P., and White. 2,912,010.  
White, Loring C., to Silvan Electric Products Inc. Pulse generation device. 2,916,643, 12-8-59, Cl. 313—73.  
White, Lord J., to Southern Steel Co. Tool-resistant metal jail plates. 2,915,813, 12-8-59, Cl. 29—191.4.  
White Machine Co., Inc.: See—  
Weiss, Morton A. 2,899,072.  
White, Marshall P.: See—  
Immel, Ralph B., Nadrowski, and White. 2,875,303.  
Immel, Ralph B., and White. 2,913,557.  
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Mahler, Charles J., White, and Immel. 2,871,322.  
White, Marshall P., to Westinghouse Electric Corp. Circuit interrupter. 2,875,304, 2-24-59, Cl. 200—147.  
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Larson, Clayton E. 2,899,008.  
Larson, Clayton E. 2,901,054.  
White, Naret M.: See—  
Hughes, Hargis P., and White. 2,887,880.  
White, Otis S. Equipment used to vulcanize or recap vehicle tires. 2,871,514, 2-3-59, Cl. 18—18.  
White, Otis S. Tire vulcanizing equipment. 2,903,741, 9-15-59, Cl. 18—18.  
White, Paul F., to Furnas Electric Co. Electric switch. 2,875,288, 2-24-59, Cl. 200—6.  
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White, Paul G., to Square D Co. Control system for induction motor. 2,872,632, 2-3-59, Cl. 318—204.  
White, Paul W., to Parva Products Co. Buckle. 2,878,540, 3-24-59, Cl. 24—196.  
White, Philip. Inflatable attachment for brassiere. 2,883,987, 4-28-59, Cl. 128—462.  
White, Raymond A. Shielded hypodermic syringe. 2,876,770, 3-10-59, Cl. 128—215.  
White, Richard J., to American Can Co. Method of producing coated containers. 2,892,432, 6-30-59, Cl. 113—120.  
White, Robert B., and G. A. Boyog, to Community Engineering Corp. Mount for electron-discharge device. 2,911,613, 11-3-59, Cl. 339—182.  
White, Robert H.: See—  
Cowles, John H., White, and Clark. 2,897,581.  
White, Robert H., J. H. Cowles, and S. F. Clark, to The Torrington Co. Caged roller bearing assembly. 2,894,791, 7-14-59, Cl. 308—212.  
White-Rodgers Co.: See—  
Markham, Charles E. 2,905,790.  
Miles, John R. 2,894,431.  
Ross, Donald K. 2,888,523.  
Vanderwal, Frank E., Jr. 2,914,265.  
Yale, James D. 2,887,006.  
White, Roger B., to The Pure Oil Co. Well pumping device. 2,896,458, 7-28-59, Cl. 74—51.  
White, Roger F.: See—  
Condello, Vincent, and White. 2,910,266.  
White, Roger L., to The Lawrence Paper Co. Moisture retaining container. 2,912,132, 11-10-59, Cl. 229—14.  
White, Roland J., to Boeing Airplane Co. Aerodynamic control surface movement assisting mechanism. 2,872,135, 2-3-59, Cl. 244—82.  
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Uhlrig, Harry W., and White. 2,890,890.  
White, Royce M.: See—  
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White, Russell R.: See—  
Baranuckas, Charles F., and White. 2,911,444.  
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White, Walter R.: See—  
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White, Walter S., Jr. Roof or wall construction. 2,869,182, 1-20-59, Cl. 20—4.  
White, Walter T.: See—  
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White, Warren D.: See—  
Close, Richard N., Kaspen, Sard, and White. 2,917,737.  
White, Warren D., to Cutler-Hammer, Inc. Electronic circuits. 2,882,395, 4-14-59, Cl. 250—20.  
White, Warren D., to United States of America, Army. Vector adder system. 2,919,066, 12-29-59, Cl. 235—192.  
White, Wesley W.: See—  
Dammert, Earl D., and White. 2,874,952.  
White, Willard H. Magnetic gun holder. 2,910,804, 11-3-59, Cl. 46—242.  
White, William C., to General Electric Co. Photoelectric apparatus. 2,904,695, 9-15-59, Cl. 250—206.  
White, William E., to Bendix Aviation Corp. Brake. 2,867,297, 1-6-59, Cl. 188—78.  
White, William E., to Clark Equipment Co. Automatic brake adjuster. 2,889,015, 6-2-59, Cl. 188—196.  
White, William E., to Clark Equipment Co. Band brake. 2,918,145, 12-22-59, Cl. 188—77.  
White, William E., to Bethlehem Steel Co. Drive clip. 2,918,152, 12-22-59, Cl. 189—35.  
White, William F.: See—  
Walton, Carl S., and White. 2,892,702.  
White, William G. Drop stake bunks for trucks. 2,908,509, 10-13-59, Cl. 280—145.  
White, William J., and L. Besterda. Sod cutting machine with gravity feed means. 2,889,578, 6-9-59, Cl. 164—48.  
White, William L.: See—  
Foster, William W., and White. 2,906,050.  
White, William L., to Collins & Alkman Corp. Methods of processing pile fabrics. 2,875,504, 3-3-59, Cl. 28—72.  
Whitcar, Alten E., to Smith, Kline & French Laboratories. Apparatus for assembling packages. 2,902,806, 9-8-59, Cl. 53—157.  
Whitcar, Alten E., to Smith, Kline & French Laboratories. Machine for assembling a tube into a plug. 2,916,811, 12-15-59, Cl. 29—208.  
Whitefield, Kyle C., to Westinghouse Electric Corp. Bottle dispensing apparatus. 2,903,155, 9-8-59, Cl. 221—115.  
Whiteford, Errington A., and F. Birren, to Whiteford Paper Co., Inc. Books. 2,916,304, 12-8-59, Cl. 283—63.  
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Whiteford, Errington A., and Birren. 2,916,304.  
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Whitehead, Calvert W.: See—  
Traverso, John J., and Whitehead. 2,874,157.  
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- Whitehead, Cyril C., to Bailey Meter Co. Thermionic servo-amplifier systems. 2,870,393, 1-20-59, Cl. 318-29.
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- Whitehead, Edwin C., and A. Ferrari, Jr., to Technicon International, Ltd. Centrifuge apparatus and method. 2,883,103, 4-21-59, Cl. 233-27.
- Whitehead, Edwin C., and A. Ferrari, Jr., to Technicon International Ltd. Method of fluid analysis. 2,899,280, 8-11-59, Cl. 23-230.
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- Whitehead, Robert C., Jr., to Minneapolis-Honeywell Regulator Co. Transmitting apparatus. 2,906,095, 9-29-59, Cl. 60-54.5.
- Whitehead, Stanley, to William Kenyon & Sons, Inc. Spindle idler and brake assembly. 2,892,302, 6-30-59, Cl. 57-83.
- Whitehorn, Walter: See—Wheelwright, Edward H., Bonness, and Whitehorn. 2,876,702.
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- Whitehurst, Harry B., to Owens-Corning Fiberglas Corp. Method of providing glass filaments with a coating of silver. 2,900,274, 8-18-59, Cl. 117-54.
- Whitehurst, Joe R., to Ideal Industries, Inc. Means for feeding silvers to collars. 2,878,527, 3-24-59, Cl. 19-159.
- Whitehurst, Robert N.: See—La Forge, Louis H., Jr., Neal, and Whitehurst. 2,898,273.
- Whiteley, Charles A., to Sperry Rand Corp. Grid manufacturing process. 2,896,307, 7-28-59, Cl. 29-25.14.
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- Whiteman, Marvin E. Cement finishing machine. 2,887,934, 5-26-59, Cl. 94-45.
- Whiteman, Russel O.: See—Graves, Barton R., and Rupe. 2,916,914.
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- Whitener, James W., to Jersey Production Research Co. Washover pipe fluid by-pass sub. 2,906,493, 9-29-59, Cl. 251-346.
- Whitesel, Harry A., and W. R. Bower, to Amana Refrigeration, Inc. Frost attractor for refrigerators. 2,890,574, 6-16-59, Cl. 62-275.
- Whitesel, Lowell E. Drill grinder device. 2,907,149, 10-6-59, Cl. 51-219.
- Whitesell, Albert W. Tree injection device. 2,867,943, 1-13-59, Cl. 47-57.5.
- Whitesell, Harry. Grinding and polishing. 2,910,811, 11-3-59, Cl. 51-267.
- Whiteside, George R.: See—Sorfaten, Chester G., and Whiteside. 2,907,812.
- Whitfield, Joseph E., to Ingersoll-Rand Co. Generated rotor form. 2,901,164, 8-25-59, Cl. 230-143.
- Whitfield, William A., and J. Weber, Jr. Paint applying means. 2,898,618, 8-11-59, Cl. 15-128.
- Whitham, Frederick H., to Sprague Electric Co. Electrostatic unit for producing printed circuits. 2,914,996, 12-1-59, Cl. 95-17.
- Whitham, Glenn E., to Raytheon Co. Waveform generators. 2,894,213, 7-7-59, Cl. 331-151.
- Whitin Machine Works: See—Dudley, John S. 2,898,637.
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- Grishin, Peter F., Szaloki, and Zimmermann. 2,889,679.
- Hargreaves, Robert. 2,884,679.
- Miller, Harold M. 2,881,982.
- Newton, Ross B. 2,867,074.
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- Schlums, Otto W. 2,880,566.
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- Szaloki, Zoltan. 2,900,671.
- Werth, William W. 2,870,488.
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- Whiting, Herbert G., to Cascades Plywood Corp. Circle cutting machine for woody sheet material. 2,899,991, 8-18-59, Cl. 144-136.
- Whiting, James C., to Orenda Engines Ltd. Pressure relief blow-out device. 2,918,941, 12-29-59, Cl. 138-92.
- Whiting, William S., Jr. Hand barrows. 2,896,960, 7-28-59, Cl. 280-36.
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- Whitling, Homer C. Individual pocket-size ventilating appliance. 2,910,225, 10-27-59, Cl. 230-259.
- Whitlock Associates, Inc.: See—Whitlock, Carl H. 2,890,080.
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- Whitlock, Edwin B. Corn pickers. 2,901,877, 9-1-59, Cl. 56-104.
- Whitlock, James B. Polishing file. 2,871,630, 2-3-59, Cl. 51-187.
- Whitlock, Robert A., Jr.: See—Hull, Dean R., and Whitlock. 2,870,788.
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- Whitman, Craig L., to United States of America, Army. Transmitter frequency control. 2,901,597, 8-23-59, Cl. 250-13.
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- Whitman, Howard E. Smoke generator. 2,902,991, 9-8-59, Cl. 126-59.5.
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- Whitmer, La Verne E.: See—Crosby, Gilmore E., Smith, and Whitmer. 2,919,363.
- Whitmore, Le Roy S., to Pittsburgh Plate Glass Co. Apparatus for preparing composite assembly. 2,915,168, 12-1-59, Cl. 198-131.
- Whitmore, William E. Combination opener and dispenser for cardboard containers with inner containers. 2,877,932, 3-17-59, Cl. 222-83.
- Whitmore, Charles E., to General Motors Corp. Air conditioning system controls. 2,916,592, 12-15-59, Cl. 62-161.
- Whitmore, Charles H.: See—Crane, Robert L., Cleland, and Whitmore. 2,898,669.
- Whitmore, Donald L. Hair curling device. 2,888,019, 5-26-59, Cl. 132-40.
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- Whitmore, Quentin R., to United States of America, Navy. Combined ram jet and rocket engine. 2,912,820, 11-17-59, Cl. 60-35.6.
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- Quackenbush, Edward C. 2,881,479.
- Whitney, Charles A., to Pratt & Whitney Co., Inc. Pneumatic strain gage. 2,875,611, 3-3-59, Cl. 73-141.
- Whitney, Donald B.: See—Gunter, Roy C., Jr., Whitney, and Haynes. 2,897,722.
- Whitney, Donald W. Inflatable decorative lantern. 2,871,343, 1-27-59, Cl. 240-10.
- Whitney, Dorothy M.: See—Angstein, Ludwig, Whitney, and Micks. 2,912,359.
- Whitney, Edgar H.: See—Ball, Arthur F., Goldbaum, and Whitney. 2,906,039.
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- Whitney, George W., to The Youngstown Sheet and Tube Co. Pump plunger and method of making same. 2,891,830, 6-23-59, Cl. 309-4.
- Whitney, Gilbert C., Jr., to Foster Wheeler Corp. Expansion joint assembly. 2,913,010, 11-17-59, Cl. 138-50.
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- Whitney, Gordon E., to International Business Machines Corp. Intermediate magnetic core storage. 2,877,449, 3-10-59, Cl. 340-174.
- Whitney, James F. Power transmission apparatus. 2,915,017, 12-1-59, Cl. 103-120.
- Whitney, Kenneth L., to American Viscose Corp. Converting bulk filament into staple fiber. 2,908,043, 10-13-59, Cl. 19-6.
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- Whitney, Robert G.: See—Beck, Eugene P., Jefferies, and Whitney. 2,887,283.
- Nelson, John F., Warner, and Whitney. 2,869,738.
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- Whitney, Robert W.: See—Circle, Sidney J., Julian, and Whitney. 2,881,159.
- Whitney, Theodore R.: See—Fairbanks, Avar, and Whitney. 2,882,416.
- Whitney, Walter D. Sanding mandrel. 2,892,292, 6-30-59, Cl. 51-190.
- Whitney, Wiley: See—Abbott, George F., Jr., Krom, Mehring, and Whitney. 2,894,072.
- Whitney, William B., to Phillips Petroleum Co. Production of petroleum sulfonates. 2,909,563, 10-20-59, Cl. 260-504.
- Whiton, Arthur L., to Chicago Mill and Lumber Co. Crate. 2,910,221, 10-27-59, Cl. 229-23.
- Whiton, Arthur L., and R. J. Byers, to Chicago Mill & Lumber Co. Crate. 2,867,366, 1-6-59, Cl. 229-14.
- Whitson, Walter, to General American Transportation Corp. Setscrew having annular biting edge and central conical point. 2,907,245, 10-6-59, Cl. 85-1.
- Whitson, Walter F.: See—Reavley, Henry W., Whitson, and Yann. 2,895,271.
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- McQueen, Malcolm M. 2,885,030.
- Whittell, Alfred, Jr. Thermostatic flow governor. 2,884,197, 4-28-59, Cl. 236-12.
- Whittemore, Osmond J., Jr., to Norton Co. Calcium oxide articles and method of making the same. 2,876,122, 3-3-59, Cl. 106-63.
- Whitten, Owen M., to Kelsey-Hayes Co. Sealing cup. 2,884,291, 4-28-59, Cl. 309-23.
- Whitten, Owen M., to Kelsey-Hayes Co. Compensation and pumping valve. 2,911,004, 11-3-59, Cl. 137-512.2.
- Whittier, Donald W. Mail box accessory. 2,868,444, 1-13-59, Cl. 232-45.
- Whittier, Sidney B.: See—Bartlett, Philip D., Bishop, Whittier, and Wright. 2,873,657.
- Whittier, Sidney B., to Polaroid Corp. Camera shutter mechanism. 2,877,697, 3-17-59, Cl. 95-53.3.
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- Whittington, William E., to Collins Radio Co. Soldering jig for mechanical filters. 2,869,498, 1-20-59, Cl. 113-99.
- Whittle, Arthur. Reversible paint roller pan. 2,917,764, 12-22-59, Cl. 15-121.2.
- Whittle, Frank, to Shell Development Co. Hydraulic turbine with by-pass valve. 2,879,032, 3-24-59, Cl. 253-4.
- Whittle, Frank, to Shell Development Co. Well drilling apparatus. 2,901,221, 8-25-59, Cl. 235-4.
- Whittle, Robert L.: See—Fischer, Laurin G., Himmel, and Whittle. 2,903,680.
- Whitworth, Sir W. G., Armstrong Aircraft Ltd.: See—Lightbody, Alexander, and Johnston. 2,898,856.
- Wholey, Gordon W.: See—Clurman, Stanley P. 2,890,303.
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- Whyte, Ronald H., and R. T. Clement, to General Motors Corp. Hammer bag for laundry appliances. 2,904,897, 9-22-59, Cl. 34-90.
- Wiancko, Thomas H. Relay circuit. 2,901,673, 8-25-59, Cl. 313-228.
- Wiant, Hugh. Combination burner nozzle. 2,914,257, 11-24-59, Cl. 239-101.
- Wibbens, Virgil J., to United States Rubber Co. Method of making reinforced footwear. 2,880,467, 4-7-59, Cl. 18-58.
- Wiberg, Egon: See—Sperr, Fritz, and Wiberg. 2,909,550.
- Wiberg, Raymond F., and F. J. Silhavy, to Harper-Wyman Co. Thermostatic control for gas burners. 2,892,349, 6-30-59, Cl. 73-368.
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- Jackson, Nolan C., and Schroeder. 2,872,718.
- Wichman, Merle A., to American Can Co. Divider and divided tray. 2,900,120, 8-18-59, Cl. 229-15.
- Wichmann, Hans-Joachim, to Metrawatt, Fabrik elektrischer Messgerate. Electrical relay. 2,879,353, 3-24-59, Cl. 200-110.
- Wichterle, Otto: See—Cerny, Jiri, and Wichterle. 2,890,180.
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- Wick, Jerome J., to United States of America, Atomic Energy Commission. Electrolytic cladding of zirconium on uranium. 2,905,599, 9-22-59, Cl. 204-1.5.
- Wick, Manfred: See—Nitzsche, Siegfried, Reichstaller, and Wick. 2,877,211.
- Wick, Waldemar J.: See—Hampel, Louis A., and Wick. 2,900,664.
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- Kendall, George A., and Hess. 2,918,180.
- Wickham, Henry P., to The M. W. Kellogg Co. Conversion process and apparatus with plural stages and intermediate stripping zone. 2,883,332, 4-21-59, Cl. 208-74.
- Wickham, Henry P., and J. B. Osborne, to The M. W. Kellogg Co. Fluidized hydrocarbon conversion system with an improved regenerator distributor. 2,891,001, 6-16-59, Cl. 208-163.
- Wickland, Edward B. Grinding tool. 2,890,550, 6-16-59, Cl. 51-184.4.
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- Wicklitz, Lee R., to Armour and Co. Packaging apparatus. 2,918,771, 12-29-59, Cl. 53-189.
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- Bateman, William H. 2,893,173.
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- Wildeburg, Allen C., and C. C. Bread dispenser. 2,919,051, 12-29-59, Cl. 221-131.
- Wildeburg, Curt C.: See—Wildeburg, Allen C., and C. C. 2,919,051.
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- Widenmeier, George W., to Vanant Co., Inc. Packaging box. 2,908,437, 10-13-59, Cl. 229-39.
- Widess, Moses B., to Pan American Petroleum Corp. Seismic signal-to-noise ratio. 2,897,476, 7-25-59, Cl. 340-15.
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- Widmann, Adolf A., to National Machine Products Co. Hollow-adjusting screw having radially projecting thread locking portions. 2,869,607, 1-20-59, Cl. 151-14.
- Widmer, Emil C., to Curtiss-Wright Corp. Thermal time delay switch. 2,915,608, 12-1-59, Cl. 200-122.
- Widmer, Gustav: See—Zupfinger, Paul, and Widmer. 2,885,382.
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- Widmer, Paul, to General Motors Corp. Telescopic stay for automotive vehicle lift gate and the like. 2,916,176, 12-8-59, Cl. 217-60.
- Widmer, Thomas F.: See—Mel, Anthony J., and Widmer. 2,907,556.
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- Widolf, Philip R.: See—Monroe, Everett A., and Widolf. 2,910,063.
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- Wiedemann, Erwin: See—  
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- Wiedemann, Erwin, to Saul & Co., as Nominee of Fidelity Union Trust Co., executive trustee under Sandoz Trust. Hook-up for alternating current commutator motor-operated laboratory centrifuges. 2,899,619, 8-11-59, Cl. 318-269.
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- Wiedemann, Martin F., Jr. Portable baptistry. 2,869,140, 1-20-59, Cl. 4-1.
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- Wiedenmann, Hans: See—  
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- Wiedenroth, Harry A. Chimney draft regulator. 2,900,893, 8-25-59, Cl. 98-67.
- Wiederkehr, Karl P.: See—  
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- Wiedmann, John A., to A. W. Cash Co. Fluid control. 2,878,880, 3-24-59, Cl. 137-599.
- Wiedmann, Ludwig: See—  
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- Wiedorn, Paul H., to National Foam System, Inc. Fire extinguishing foam discharge nozzle. 2,868,301, 1-13-59, Cl. 169-15.
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- Wiegand, David E., to Armour Research Foundation of Illinois Institute of Technology. Coil-less playback head. 2,918,534, 12-22-59, Cl. 179-100.2.
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- Wiegand, Edward A. Structural units for buildings. 2,879,557, 3-31-59, Cl. 20-15.
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- Boggs, Alben C. 2,873,347.
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- Drugmann, Lester D. 2,873,342.
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- Wiegand, Henry L., to I-T-E Circuit Breaker Co. Recirculating water system for cooling electrical components. 2,917,685, 12-15-59, Cl. 317-234.
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- Wiehl, Ferdinand T.: See—  
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Levand, Victor A., and Wiley, 2,868,609.
- Wiley, Emmett H., to General Electric Co. Electric lamp, 2,904,714, 9-15-59, Cl. 313-113.
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- Wiley, Ralph M., to The Dow Chemical Co. Method of polymerizing a monoethylenically unsaturated vinylidene compound in aqueous suspension, 2,875,185, 2-24-59, Cl. 280-91.7.
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- Wiley, Richard T., to Morris, Wheeler & Co., Inc. Manually-operable jib cranes, 2,877,905, 3-17-59, Cl. 212-63.
- Wiley, Robert D., to Master Pneumatic, Inc. Air line lubricator, 2,878,895, 3-24-59, Cl. 184-55.
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- Wiley, Verlis H., J. P. Rug, and L. S. Trefethen, to Sylvania Electric Products Inc. Automobile headlight control system, 2,890,387, 6-9-59, Cl. 315-83.1.
- Wiley, William C., to Bendix Aviation Corp. Electron switch, 2,882,399, 4-14-59, Cl. 250-27.
- Wilfert, Grace. Dressmaker ruler and marking device, 2,903,795, 9-15-59, Cl. 33-2.
- Wilfert, Karl: See—  
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- Wil Flo Co.: See—  
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- Wilgus, Donovan R.: See—  
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- Wilhelm, Edward T.: See—  
Tessmer, Ernest H., and Wilhelm, 2,915,404.
- Wilhelm, George: See—  
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- Wilhelm, Harley A.: See—  
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- Wilhelm, Harley A., and R. E. Rundle, to United States of America, Atomic Energy Commission. Thorium-carbon alloys, 2,872,307, 2-3-59, Cl. 75-122.7.
- Wilhelm, Harley A., D. Peterson, and R. F. Russi, Jr., to United States of America, Atomic Energy Commission. Zirconium alloy, 2,872,310, 2-3-59, Cl. 75-177.
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- Wilhelm, John R.: See—  
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- Wilhelm, Joseph A. and G. E. Warnat, and J. Zink. Self-closing valve for tap bushings of kegs, 2,877,790, 3-17-59, Cl. 137-320.
- Wilhelm, Keith A.: See—  
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- Wilhelm, Vincent A., and H. Morelino, to Bendix Aviation Corp. Gyro erection cutout delay circuit, 2,875,619, 3-3-59, Cl. 74-5.41.
- Wilhelmi, Carl J.: See—  
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- Wilhelmsen, Carl R., to Hazeltine Research, Inc. Automatic-gain-control system utilizing constant current source, 2,912,572, 11-10-59, Cl. 250-20.
- Wilhelmsen, Donald A., to General Electric Co. Speed and acceleration responsive device, 2,868,911, 1-13-59, Cl. 200-61.46.
- Wilk, Stanley H., and R. Cuzzone, to General Electric Co. Mechanical pressure relief device, 2,869,579, 1-20-59, Cl. 137-467.
- Wilk, Stanley H., and E. D. O'Neill, to General Electric Co. Transformer core clamp connector, 2,910,663, 10-27-59, Cl. 336-210.
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- Wilke, William J. Colling device, 2,888,214, 5-26-59, Cl. 242-25.
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- Wilkenloh, Wilhelm, E. Jäger, and F. Klenapfel, to Rhein-stahl Wanhelm Gesellschaft mit beschränkter Haftung. Prop and conveyor arrangement for mines, 2,910,281, 10-27-59, Cl. 262-1.
- Wilkins, Gunter G.: See—  
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- Wilkins, Henry J., and L. Dollinko, to Vacap Corp. High voltage variable vacuum capacitor, 2,889,501, 6-2-59, Cl. 317-245.
- Wilkins, William G., to Universal Castings Corp. Method of and means for casting metals under the influence of vacuum, 2,908,054, 10-13-59, Cl. 22-73.
- Wilkinson, Erik A. Stereoscopic range finder, particularly for cameras, 2,918,555, 12-29-59, Cl. 95-44.
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- Wilkinson, Edward D. Conduit protecting sheath, 2,870,242, 1-20-59, Cl. 174-135.
- Wilkinson, Edward D. Bicycle braking system, 2,871,988, 2-3-59, Cl. 188-26.
- Wilkinson, Edward D. Hydraulic brake system bleeding and refilling apparatus, 2,872,951, 2-10-59, Cl. 141-94.
- Wilkinson, Edward D. Apparatus for correcting collision damage, 2,901,022, 8-25-59, Cl. 153-32.
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- Wilkinson, Jefferson R., R. D. Tollefson, and E. G. Fubini, to United States of America, Navy. Ambiguity eliminator, 2,888,670, 5-26-59, Cl. 340-345.
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- Wilkes, Gordon B., Jr., to General Electric Co. Turbo-machine blading and method of manufacture thereof, 2,912,222, 11-10-59, Cl. 253-77.
- Wilkes, Gordon B., Jr., to General Electric Co. Rotor construction, 2,914,207, 11-24-59, Cl. 253-39.15.
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- Wilkes, Reuben. Drill callibrator and sorter, 2,902,152, 9-1-59, Cl. 209-122.
- Wilkes, Wesley H., to Boeing Airplane Co. Interior finish for aircraft cabins or the like, 2,912,724, 11-17-59, Cl. 20-4.
- Wilki, John L., to Socony Mobil Oil Co., Inc. Compact mass surface level control, 2,903,420, 9-8-59, Cl. 208-167.
- Wilkie, Robert C., to Pacific Mills. Process of making yarn, 2,867,077, 1-6-59, Cl. 57-157.
- Wilkie, Robert J., to Continental Machines, Inc. Band saw drive wheel having adjustable band back-up flange, 2,879,813, 3-31-59, Cl. 143-30.
- Wilkie, Wallace J., to Arco Mfg. Corp. Mass deploying apparatus, 2,869,426, 1-20-59, Cl. 89-1.5.
- Wilkins, Charles A. Voltage regulator system, 2,904,644, 9-15-59, Cl. 170-171.
- Wilkins, Charles A., to The Siegler Corp. Control of amplifier source resistance, 2,905,761, 9-22-59, Cl. 179-1.
- Wilkins, Charles L., and R. Y. Multiple conductor service cable insulator, 2,870,237, 1-20-59, Cl. 174-41.
- Wilkins, Earl D., to Kaiser Aluminum & Chemical Corp. Metal clad refractory brick, 2,915,893, 12-8-59, Cl. 72-35.
- Wilkins, Edmond J. Combination article support pedestal and storage compartment, 2,905,515, 9-22-59, Cl. 312-27.
- Wilkins, Floyd V. Adjustable-speed electric motor control system, 2,873,417, 2-10-59, Cl. 318-327.
- Wilkins, Floyd V. Motor-generator power supply systems, 2,897,428, 7-28-59, Cl. 322-36.
- Wilkins, Frank P.: See—  
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- Wilkins, Howard W.: See—  
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- Wilkins, James M., to A. H. Kaplan. Regulator valve, 2,880,753, 4-7-59, Cl. 137-549.
- Wilkins, John, & Co. Ltd.: See—  
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- Wilkins, Lowell A., and H. S. Kane, deceased (F. Kane, administrator). Portable sound and motion picture camera, 2,910,911, 11-3-59, Cl. 88-16.2.

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- Wilkins, Ruth Y.: See—  
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- Wilkinson, Cecil H., Jr. Centrifuge, 2,893,627, 7-7-59, Cl. 233-14.
- Wilkinson, Cyril F., H. A. H. Jenkins, L. T. Lake, and S. V. Radcliffe, to Parker Rust Proof Co. Method of forming phosphate coatings on drawn wire, 2,875,111, 2-24-59, Cl. 148-6.15.
- Wilkinson, Donald G.: See—  
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- Wilkinson, Donald G., to Imperial Chemical Industries, Ltd. Phthaloperine derivatives, 2,884,423, 4-28-59, Cl. 260-26.4.
- Wilkinson, George, and W. A. Eaton, to The Quaker Oats Co. Vitamin fortified canned-fish animal food, 2,873,194, 2-10-59, Cl. 99-188.
- Wilkinson, Herbert F.: See—  
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- Wilkinson, Horace A., to Concrete Industries Engineering Development Pty. Ltd. Batch mixer, 2,884,232, 4-28-59, Cl. 259-32.
- Wilkinson, James D., and C. P. Sedlock. Transportation seat support, 2,916,082, 12-8-59, Cl. 155-50.
- Wilkinson, Leonard A., to Sylvania Electric Products Inc. Shutter mechanism, 2,901,953, 9-1-59, Cl. 95-60.
- Wilkinson, Robert E., to Rostone Corp. Method of producing a molded article, 2,877,499, 3-17-59, Cl. 18-47.5.
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- Wilkinson, Walter R. Cigarette and match pack dispenser, 2,868,603, 1-13-59, Cl. 312-42.
- Wilkinson, William C., Jr., to Radio Corp. of America. Surface waveguide transition section, 2,867,776, 1-6-59, Cl. 333-21.
- Wilkinson, William K., to E. I. du Pont de Nemours and Co. Copolymerization of vinyl aryl sulfonates in the presence of glycols, 2,900,370, 8-18-59, Cl. 260-79.3.
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- Will, William B. Construction elevator, 2,870,900, 1-27-59, Cl. 198-72.
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- Willard, Dennis D., to International Business Machines Corp. Electro-sensitive digital data plotter, 2,869,965, 1-20-59, Cl. 346-74.
- Willard, Dennis D., to International Business Machines Corp. Image transmission system, 2,895,079, 7-14-59, Cl. 315-153.
- Willard, Dennis D., to International Business Machines Corp. Differential interlock for servo system, 2,901,738, 8-25-59, Cl. 340-174.
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- Willard, Herbert R.: See—  
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- Willard, Joe R., and J. F. Henahan, to Food Machinery and Chemical Corp. Pesticidal phosphorus esters, 2,873,228, 2-10-59, Cl. 167-22.
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- Willardson, Robert, and A. C. Beer, to The Battelle Development Corp. Switching circuits and methods, 2,889,492, 6-2-59, Cl. 317-11.
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- Willcox, Frederick P., to Fairchild Camera and Instrument Corp. Camera shutter having two sets of blades, 2,878,735, 3-24-59, Cl. 95-63.
- Willcox, Frederick P., L. F. Welanetz, R. J. Autere, and J. S. Hellen, to Fairchild Camera and Instrument Corp. Variable ratio photoelectric engraving machine, 2,875,275, 2-24-59, Cl. 178-6.6.
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- Wille, Hans, and R. Oberkubusch, to Gesellschaft fuer Teer-verwertung M.B.H. Process of producing technical grade quinoline, 2,916,492, 12-8-59, Cl. 260-283.
- Wille, Herbert S., and V. W. Damm, to Kawneer Co. Sash construction, 2,871,524, 2-3-59, Cl. 20-56.4.
- Willemain, Louis E. Grass catcher clamping device, 2,914,829, 12-1-59, Cl. 24-81.
- Willems, Peter. Flow apparatus for the continuous physical and/or chemical treatment of substances, 2,882,149, 4-14-59, Cl. 92-20.
- Willems, Peter. Mills, particularly granulating and colloid mills, 2,903,197, 9-8-59, Cl. 241-146.
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- Willens, Robert A. A., to British Celanese Ltd. Production of voluminous yarn, 2,890,568, 6-16-59, Cl. 57-157.
- Willer, Bert M., deceased, by L. L. F. Willer, executrix. Color television receiver and picture tube, 2,892,116, 6-23-59, Cl. 313-92.
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- Willie, Frank G., and F. D. Greenleaf, to Servo Corp. of America. Aircraft velocity-altitude meter, 2,918,581, 12-22-59, Cl. 250-82.3.
- Willie, George L., and P. Hey. Quaternary ammonium salts of dialkylaminoalkyl phenyl ethers, 2,895,995, 7-21-59, Cl. 260-367.6.
- Willie, Grant S., to United States Gypsum Co. Process of humidifying hardboard, 2,904,893, 9-20-59, Cl. 34-23.
- Willhauck, Everette I. Emergency fuel stop for Diesel engines, 2,869,530, 1-20-59, Cl. 123-140.
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- Williams, Aaron W., to United States of America, Atomic Energy Commission. Inspection means for induction motors, 2,877,408, 3-10-59, Cl. 324-51.
- Williams, Albert. Adjustable glare shields and mirror attachments for automobile visors, 2,894,576, 7-14-59, Cl. 160-220.
- Williams, Albert J., Jr., to Leeds and Northrup Co. System for adjusting amplifiers, 2,919,409, 12-29-59, Cl. 330-9.
- Williams, Alfred L. W., and J. M. Heinrich, to Clivite Corp. Weapon, 2,889,796, 6-9-59, Cl. 114-20.
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- Williams, Arthur J. Open-mouth air-bound applicator for liquid materials such as inks, cosmetics and other liquid preparations, 2,895,019, 8-4-59, Cl. 222-551.



- Williams, Arthur L., to The Federal Machine and Welder Co. Alternately usable rotary and longitudinal material guiding means. 2,868,265, 1-13-59, Cl. 153-54.
- Williams, Arthur L., and J. F. Deffenbaugh, to The Federal Machine and Welder Co. Electric resistance welder. 2,908,803, 10-13-59, Cl. 219-84.
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- Williams, Bill M., and L. F. Berhenke, to The Dow Chemical Co. 2-(carboxymethoxy) phenyliminodiacetic acids. 2,892,867, 6-30-59, Cl. 260-519.
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- Williams, Chester I. Adjustable scaffold bracket. 2,916,245, 12-8-59, Cl. 248-242.
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- Williams, Clifford L. Mechanical dancing dolls. 2,911,084, 11-3-59, Cl. 194-12.
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- Williams, David J., and K. H. Westley, to Ericsson Telephones Ltd. Discharge devices for electronic counting and like purposes. 2,896,118, 7-21-59, Cl. 315-84.6.
- Williams, Dean L., to Rome Cable Corp. Apparatus for serving a strand on a travelling core. Re. 24,592, 1-20-59, Cl. 57-18.
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- Williams, Don A., Jr., to Bendix Aviation Corp. Ramp wave generator. 2,915,650, 12-1-59, Cl. 307-88.5.
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- Williams, Elmer W., and H. J. Bowman, to Trent Tube Co. Process for butt welding. 2,874,263, 2-17-59, Cl. 219-61.
- Williams, Ernest C. Pivoted anchor bracket for adjustable knee brace. 2,898,071, 8-4-59, Cl. 248-242.
- Williams, Ernest E., and H. M. Ward, to Petro-Flow Corp. Oil well heater. 2,893,490, 7-7-59, Cl. 166-60.
- Williams, Evan T. Lamp shade frame. 2,900,496, 8-18-59, Cl. 240-138.
- Williams, Everard M. Automatic sweeping and jamming radio equipment. 2,885,543, 5-5-59, Cl. 250-13.
- Williams, Everard M., and C. P. Porterfield, to Firth Sterling Inc. Spark machining apparatus. 2,868,947, 1-13-59, Cl. 219-69.
- Williams, Ferd E., to General Electric Co. Radiant energy intensification system and method. 2,909,703, 10-20-59, Cl. 315-10.
- Williams, Forrest V., to Monsanto Chemical Co. Separation of ortho- and para-methylstyrene. 2,904,606, 9-15-59, Cl. 260-669.
- Williams, Fred G., Jr., to Beckman Instruments, Inc. Apparatus for applying a liquid sample. 2,868,020, 1-13-59, Cl. 73-432.
- Williams, Frederic C., to National Research Development Corp. Transistor binary adder. 2,895,673, 7-21-59, Cl. 235-164.
- Williams, Frederic C., T. Kilburn, and G. R. Hoffman, to National Research Development Corp. Electrostatic information-storage systems. 2,885,586, 5-26-59, Cl. 313-68.
- Williams, Frederic C., T. Kilburn, and A. A. Robinson, to International Business Machines Corp. Multiplying arrangements for digital computing machines. 2,892,588, 6-30-59, Cl. 235-166.
- Williams, Frederic C., T. Kilburn, D. B. G. Edwards, and G. E. Thomas, to International Business Machines Corp. Computer storage data handling control apparatus. 2,913,175, 11-17-59, Cl. 235-157.
- Williams, George A. Fishing kit. 2,914,881, 12-1-59, Cl. 43-23.
- Williams, George A. H.: See—
- Oxley, Peter, Bristow, Williams, Woolfe, and Wilmshurst. 2,904,590.
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- Williams, George L., to Hughes Aircraft Co. Multiple-rate compressible liquid spring. 2,904,328, 9-15-59, Cl. 267-1.
- Williams, George R., Jr.: See—
- Stovall, Elmo G., and Williams. 2,917,976.
- Williams, George W.: See—
- Ames, Robert G. 2,889,699.
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- Ames, Robert G. 2,889,557.
- Williams, Gerald I., to Sperry Rand Corp. Diode switching circuits. 2,877,451, 3-10-59, Cl. 340-174.
- Williams, Gerald J., to Ford Motor Co. Adjustable motion transmitting linkage. 2,906,140, 9-29-59, Cl. 74-473.
- Williams, Gilbert A., and A. Firth, to Imperial Chemical Industries Ltd. Crystallization apparatus. 2,897,061, 7-28-59, Cl. 23-273.
- Williams, Glenn S., to Bethlehem Steel Co. Pusher means for feeding articles relative to a threading spindle including motor control means responsive to failure of the pusher means to advance. 2,869,154, 1-20-59, Cl. 10-139.
- Williams, Gorman S., deceased: M. J. Williams, executrix, to herself individually. Hydraulic pumping jack for oil wells. 2,869,460, 1-20-59, Cl. 103-46.
- Williams, Gwyn E.: See—
- Davy, Geoffrey S., and Williams. 2,880,256.
- Williams, Harold E., to B. P. Williams. Method of producing insulating pads for upholstery. 2,908,107, 10-13-59, Cl. 45-138.
- Williams, Harry, and W. A. Gey, to United States of America, Navy. Igniter for gas generator grains and propellants. 2,900,242, 8-18-59, Cl. 52-14.
- Williams, Harry, and W. C. Holliday, to Whessee Ltd. Means for guiding a work head over a work piece. 2,900,486, 8-18-59, Cl. 219-125.
- Williams, Herald J., Jr. Heating device. 2,911,512, 11-3-59, Cl. 219-38.
- Williams, Herbert B., C. H. von Tesmar, and J. Renner, to National Distillers and Chemical Corp. Electrolysis cell. 2,913,387, 11-17-59, Cl. 204-247.
- Williams, Herbert H., Jr.: See—
- Lipes, Alvin W., and Williams. 2,898,600.
- Williams, Herschel A.: See—
- Gauthier, William D., and Williams. 2,878,058.
- Williams & Hill Ltd.: See—
- Hill, Richard F. H. 2,877,684.
- Williams, Hillman L.: See—
- Beck, Morris B., and Williams. 2,907,545.
- Williams, Hugh T.: See—
- Davidson, Samuel H., Love, and Williams. 2,869,462.
- Williams, Ira: See—
- Behre, Johannes, and Williams. 2,873,919.
- Williams, Jack L. R.: See—
- Davison, Joseph W., Williams, and Koble. 2,905,734.
- Van Allan, James A., and Williams. 2,882,450.

- Williams, Jack L. R., to Eastman Kodak Co. Photographic process using light-sensitive polymeric quaternary salts. 2,908,667, 10-13-59, Cl. 260-79.3.
- Williams, Jack L. R., and K. R. Dunham, to Eastman Kodak Co. Manufacture of polyesters under controlled varying agitation. 2,904,534, 9-15-59, Cl. 260-75.
- Williams, Jack R., and R. A. Koble, to Phillips Petroleum Co. Purification of gases. 2,909,038, 10-20-59, Cl. 62-17.
- Williams, James C., to Deering Milliken Research Corp. Tensioning means. 2,869,802, 1-20-59, Cl. 242-156.1.
- Williams, James R. Articular conveyor chain. 2,884,118, 4-28-59, Cl. 198-189.
- Williams, James W., 3rd: See—
- Kinderman, Walter J., and Williams. 2,869,371.
- Williams, James W., III, to Yarnall-Waring Co. Linear movement remote control servosystem. 2,899,615, 8-11-59, Cl. 318-22.
- Williams, Jesse E., to Olin Mathieson Chemical Corp. Tool for driving powder-actuated fasteners. 2,869,127, 1-20-59, Cl. 1-106.
- Williams, John C., Jr.: See—
- Close, Charles D., Rossi, and Williams. 2,882,037.
- Williams, John E.: See—
- Keese, Beverly W., and Williams. 2,915,920.
- Williams, John G.: See—
- Boardman, Thaddeus J., and Williams. 2,913,989.
- Luoma, Aarne A., and Williams. 2,890,014.
- Williams, John H.: See—
- Mastney, Edward J., and Williams. 2,911,834.
- Williams, John J., Jr. Ice cream spoon dispenser. 2,887,247, 5-19-59, Cl. 221-25.
- Williams, John K.: See—
- Cripps, Harry N., and Williams. 2,917,499.
- Williams, John L. Bonnetless gate valve. Re. 24,735, 11-17-59, Cl. 251-30.
- Williams, John L. Stock valve having removable seat. 2,873,943, 3-17-59, Cl. 251-175.
- Williams, John L. Metering valve. 2,883,148, 4-21-59, Cl. 251-205.
- Williams, John L., and S. L. Kum. Corrosion resistant gate valve. 2,893,684, 7-7-59, Cl. 251-328.
- Williams, John N. Autopsy instrument. 2,876,776, 3-10-59, Cl. 128-303.
- Williams, John R., to Selas Corp. of America. Radiant heat fuel burner. 2,870,829, 1-27-59, Cl. 158-113.
- Williams, John R., to Selas Corp. of America. Fire check. 2,913,320, 11-17-59, Cl. 48-192.
- Williams, John R., and C. A. McFadden, to Selas Corp. of America. Burner. 2,888,980, 6-2-59, Cl. 158-116.
- Williams, John S. Golf putter apparatus. 2,898,109, 8-4-59, Cl. 273-163.
- Williams, Joseph H., and E. E. McDole, to Kaiser Aluminum & Chemical Corp. Method and apparatus for treating apparatus for rapid quenching of metals. 2,867,226, 1-6-59, Cl. 134-199.
- Williams, Katherine A.: See—
- Ames, Robert G. 2,889,857.
- Williams, Lawrence S., to Toledo Scale Corp. Ball bearing. Re. 24,686, 8-18-59, Cl. 308-193.
- Williams, Lawrence S., to Toledo Scale Corp. Ball bearing scale pivots. 2,895,726, 7-21-59, Cl. 265-27.
- Williams, Leo C., to Michle-Goss-Dexter, Inc. Rotary valve structure. 2,898,937, 8-11-59, Cl. 137-633.
- Williams, Leslie A., to Eastman Kodak Co. Photographic silver halide emulsions containing thiol compounds. 2,887,378, 5-19-59, Cl. 96-67.
- Williams, Lewis C. Garland construction and method. 2,880,540, 4-7-59, Cl. 41-10.
- Williams, Lyle N., to General Motors Corp. Lamp assembly and lens securing means. 2,876,340, 3-3-59, Cl. 240-41.55.
- Williams, Lynn A., to Anocut Engineering Co. Coolant applicator. 2,899,781, 8-18-59, Cl. 51-267.
- Williams, Lynn A., Jr.: See—
- Keeler, George F., and Williams. 2,905,605.
- Williams, Mary Jo: See—
- Williams, Gorman S., and M. J. 2,869,469.
- Williams, Mason I. Haploscope. 2,890,620, 6-16-59, Cl. 88-20.
- Williams, Maurice W., to Combustion Engineering, Inc. Hot water heating system. 2,888,204, 5-26-59, Cl. 237-59.
- Williams, Melvin L. Target holder. 2,890,051, 6-9-59, Cl. 275-102.
- Williams, Merritt T.: See—
- Morrison, Stephen C., and Williams. 2,891,149.
- Politi, Edward Y., and Williams. 2,891,159.
- Williams, Mortimer P., and C. T. Kirchner, to E. I. du Pont de Nemours and Co. Process of molding dithiocarbamate slurries which contain guar gum. 2,870,059, 1-20-59, Cl. 167-42.
- Williams, Neal T.: See—
- Kompfner, Rudolf, and Williams. 2,916,657.
- Williams, Nigel A. P., to The British Tabulating Machine Co. Ltd. Electronic signal delay circuits. 2,875,336, 2-24-59, Cl. 260-27.
- Williams, Norman C., and R. W. Fishwood, to Power Brake Equipment Co. Air relay valve operable by both input and exhaust control means. 2,880,754, 4-7-59, Cl. 137-620.
- Williams, Norman D.: See—
- Ayers, George W., and Williams. 2,900,357.
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- Williams, Norman H., and C. T. Hawkes, to Humphreys & Glasgow, Ltd. Apparatus incorporating a vibrating grate. 2,869,991, 1-20-59, Cl. 23-281.
- Williams, Ollie D. Self-adjusting cam bearing or bushing knocker and installer. Re. 24,626, 4-7-59, Cl. 29-275.
- Williams, Orville A., to United Conveyor Corp. Apparatus for and method of handling fine pulverulent material in a vacuum conveyor. 2,873,143, 2-10-59, Cl. 302-17.
- Williams, Orville A., to United Conveyor Corp. Method of and apparatus for feeding hot pulverulent material to a storage bin. 2,877,056, 3-10-59, Cl. 302-53.
- Williams, Oscar: See—
- Lockwood, Lawrence W. 2,907,106.
- Williams, Oscar S., and R. S. Tractor cabs. 2,908,531, 10-13-59, Cl. 296-78.
- Williams, Oscar S., and R. S. Windshield for tractor cab. 2,919,155, 12-29-59, Cl. 296-84.
- Williams Patent Crusher and Pulverizer Co., Inc.: See—
- Williams, Robert M. 2,913,109.
- Williams, Paul D.: See—
- McCullough, Jack A., and Williams. 2,910,607.
- Preist, Donald H., Williams, and Hall. 2,903,614.
- Williams, Paul D., to Eitel-McCullough, Inc. Electron tube. 2,879,428, 3-24-59, Cl. 313-247.
- Williams, Paul D., to Eitel-McCullough, Inc. Method of making electron tubes. 2,882,116, 4-14-59, Cl. 316-19.
- Williams, Paul E., to L. M. Gary. Skiving tool. 2,912,843, 11-17-59, Cl. 69-20.
- Williams, Paul R. Coordination training device for small children. 2,889,149, 6-2-59, Cl. 273-103.
- Williams, Philip B., to The Muter Co. Loud speaker diaphragm. 2,905,260, 9-22-59, Cl. 181-32.
- Williams, Philip S., to Jersey Production Research Co. Pellet impact drilling apparatus. 2,868,509, 1-13-59, Cl. 255-61.
- Williams, Philip S., to Jersey Production Research Co. Secondary recovery process. 2,876,838, 3-10-59, Cl. 166-11.
- Williams, Philip S., to Jersey Production Research Co. Apparatus for obtaining unaltered cores. 2,880,969, 4-7-59, Cl. 255-72.
- Williams, Philip S., to United States of America, Navy. Deferred action batteries. 2,895,394, 8-4-59, Cl. 136-90.
- Williams, Ralph E., to B. F. Gump Co. Conveyor construction. 2,869,714, 1-20-59, Cl. 198-213.
- Williams, Ralph E., to B. F. Gump Co. Continuous feeder apparatus. 2,869,715, 1-20-59, Cl. 198-213.
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- Williams, Ray S., to Hagan Chemicals & Controls, Inc. Sequential ratio totalizers. 2,898,929, 8-11-59, Cl. 137-85.
- Williams, Ray S., to Hagan Chemicals & Controls, Inc. Pressure differential device embodying pressure deflectable bellows and means for adjusting the line of action of the bellows. 2,910,092, 10-27-59, Cl. 137-785.
- Williams, Reade, to General Electric Co. High input impedance transistor amplifier. 2,913,671, 11-17-59, Cl. 331-50.
- Williams, Richard A., and J. W. Tiley, to Philco Corp. Semiconductor device. 2,885,571, 5-5-59, Cl. 307-88.5.
- Williams, Richard A., and J. W. Tiley, to Philco Corp. Semiconductor device and method for the fabrication thereof. 2,885,609, 5-5-59, Cl. 317-235.
- Williams, Richard E., to Wilbespan Research Labs., Inc. Tone wheel manufacturing machine. 2,910,299, 10-27-59, Cl. 274-5.
- Williams, Robert A., to Standard Railway Equipment Mfg. Co. Centering device with height adjustment. 2,885,093, 5-5-59, Cl. 213-21.
- Williams, Robert D., to Bell Telephone Laboratories, Inc. Telephone system employing line hunting. 2,904,637, 9-15-59, Cl. 179-18.
- Williams, Robert E.: See—
- Klohs, Murle W., Keller, and Williams. 2,870,164.
- McGillen, Clare D., and Williams. 2,867,767.
- Williams, Robert E., to Olin Mathieson Chemical Corp. Manufacture of liquid alkylpentaborane-9. 2,917,547, 12-15-59, Cl. 260-606.5.
- Williams, Robert F., Jr., and C. S. Lowe, to Eastman Kodak Co. Stabilized cellulose ester compositions and process for preparing the same. 2,899,315, 8-11-59, Cl. 166-171.
- Williams, Robert J.: See—
- Anthony, Robert C., and Williams. 2,870,477.
- Gaddis, Arden H., Hoberg, and Williams. 2,918,659.
- Hogberg, George G., Loneragan, Thornley, Williams, and Stevens. 2,918,658.
- Williams, Robert J., to Hoover Products, Inc. Christmas tree ornament. 2,877,587, 3-17-59, Cl. 41-10.
- Williams, Robert M.: See—
- Gates, Thomas S., and Williams. 2,906,177.
- Jorgensen, Kristen, Williams, and Miller. 2,888,359.
- Williams, Robert M., to Williams Patent Crusher and Pulverizer Co., Inc. Air seal for separating devices. 2,913,109, 11-17-59, Cl. 209-138.
- Williams, Robert S.: See—
- Williams, Oscar S., and R. S. 2,908,531.
- Williams, Oscar S., and R. S. 2,919,155.
- Williams, Roger B., Jr., to Sperry Rand Corp. Pulse amplitude equalizing system. 2,871,369, 1-27-59, Cl. 250-214.
- Williams, Roger B., Jr., to Toledo Scale Corp. Integrating conveyor scale. 2,918,269, 12-22-59, Cl. 265-28.



- Williams, Roger F. Gauge. 2,889,708, 6-9-59, Cl. 73-317.
- Williams, Rollie B., to Esso Research and Engineering Co. Process for registering the relative degree of branching of a hydrocarbon material containing alkyl groups and for controlling a process in response to the registration. 2,871,443, 1-27-59, Cl. 324-5.
- Williams, Rollie B., and R. K. Saunders, to Esso Research and Engineering Co. Determination of asphaltic components of petroleum. 2,909,482, 10-20-59, Cl. 208-309.
- Williams, Rollie B., and R. K. Saunders, to Esso Research and Engineering Co. Determination of asphaltic components of petroleum hydrocarbons by measuring the electrical conductivity thereof. 2,909,483, 10-20-59, Cl. 208-309.
- Williams, Russell C., to General Motors Corp. Track roller. 2,877,059, 3-10-59, Cl. 305-1.
- Williams, Russell C., and E. J. Selyem, to General Motors Corp. Bulldozer. 2,875,535, 3-3-59, Cl. 37-144.
- Williams, Russell J., to Bemis Bro. Bag Co. Bag. 2,869,772, 1-20-59, Cl. 229-55.
- Williams, Russell J., to Bemis Bro. Bag Co. Bag. 2,892,580, 6-30-59, Cl. 229-55.
- Williams, Russell J., to Bemis Bro. Bag Co. Bag. 2,906,446, 9-29-59, Cl. 229-62.5.
- Williams, Samuel B., to Chrysler Corp. Rotary regenerator sealing structure. 2,880,972, 4-7-59, Cl. 257-6.
- Williams, Samuel B., to Chrysler Corp. Turbine blade. 2,888,242, 5-26-59, Cl. 253-39.15.
- Williams, Steele D. Apparatus for making fiber mat. 2,890,496, 6-16-59, Cl. 19-155.
- Williams, Steele D. Dilating massager. 2,915,058, 12-1-59, Cl. 128-64.
- Williams, Theo W., to Sylvania Electric Products Inc. Tuner and control. 2,873,610, 2-17-59, Cl. 74-10.45.
- Williams, Thurston V., to The O. K. Tool Co., Inc. Chip breaker for turning machines. 2,877,535, 3-17-59, Cl. 29-96.
- Williams, Thurston V., to The O. K. Tool Co., Inc. Headstock for lathes and the like. 2,909,955, 10-27-59, Cl. 82-40.
- Williams, Thurman V., Jr.: See—  
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- Williams, Trevor N.: See—  
Bruce, Charles R., and Williams. 2,886,471.
- Williams, Virgil C., and C. W. Ade, to Mississippi River Fuel Corp. Rectification apparatus. 2,918,265, 12-22-59, Cl. 261-9.
- Williams, Walter C., deceased; E. Williams, administratrix, to W. H. Nicholson and Co. Cubicle assembly. 2,881,876, 4-14-59, Cl. 189-34.
- Williams, Warren D., to Sperry Rand Corp. Binder for conductive metallic film. 2,880,181, 3-31-59, Cl. 252-514.
- Williams, William. Plumber's auger. 2,887,703, 5-26-59, Cl. 15-104.3.
- Williams, William A.: See—  
Nuernberger, Eldon L., and Williams. 2,909,343.
- Williams, William A., to T. B. Wood's Sons Co. Flexible couplings for shafts. 2,867,102, 1-6-59, Cl. 64-11.
- Williams, William A., to T. B. Wood's Sons Co. Gripping arrangements for flexible couplings for power transmission shafts. 2,867,103, 1-6-59, Cl. 64-11.
- Williams, William A., to The American Pulley Co. Speed change transmission devices and supports therefor. 2,882,739, 4-21-59, Cl. 74-421.
- Williams, William A., to T. B. Wood's Sons Co. Shaft connectors for power transmission elements. 2,907,597, 10-6-59, Cl. 287-52.04.
- Williams, William A. Chain lubricator and dust guard. 2,909,937, 10-27-59, Cl. 74-230.
- Williams, William H., and D. A. Baldwin, to United States of America, Navy. Submarine bottom scanner. 2,919,423, 12-29-59, Cl. 340-3.
- Williams, William J.: See—  
Rehberg, Richard A., and Williams. 2,912,949.
- Williams, William J. Adjustable differential switch actuator. 2,873,332, 2-10-59, Cl. 200-166.
- Williams, William J. Automatic remote control engine starting system. 2,887,585, 5-19-59, Cl. 290-37.
- Williams, William J. Speed and temperature controlled switching mechanism. 2,904,651, 9-15-59, Cl. 200-80.
- Williams, William T., to North American Aviation, Inc. Quick release fastener. 2,901,804, 9-1-59, Cl. 24-211.
- Williams, William W.: See—  
Freyermuth, Harlan B., and Williams. 2,911,415.
- Kartinos, Nicholas J., and Williams. 2,914,551.
- Strobel, Albert F., and Williams. 2,891,951.
- Williams & Wilson Ltd.: See—  
Lancaster, Arthur W. 2,893,189.
- Lancaster, Arthur W. 2,893,190.
- Lancaster, Arthur W. 2,893,191.
- Williams, Winston F.: See—  
Jacobson, Herbert P., and Williams. 2,886,707.
- Williams, Winston F., to Collins Radio Co. Differential mechanism. 2,896,476, 7-28-59, Cl. 74-724.
- Williamsburg Chair Factory, Inc.: See—  
White, James C. 2,913,739.
- Williamson, Audrey J.: See—  
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- Williamson, Charles E.: See—  
Dawson, Thomas P., Lovejoy, Williamson, and Witten. 2,913,367.
- Williamson, David T. N., A. T. Shepherd, and G. S. Walker, to Ferranti Ltd. Measuring apparatus. 2,886,717, 5-12-59, Cl. 250-220.
- Williamson, Donald E., to United States of America, Navy. Method and apparatus for aligning radiant energy detector cells with the horizon. 2,874,605, 2-24-59, Cl. 88-14.
- Williamson, Donald E., to Kalvar Corp. Continuous printing device. 2,917,985, 12-22-59, Cl. 95-75.
- Williamson, Donald E., to Kalvar Corp. Belt tensioning device. 2,917,986, 12-22-59, Cl. 95-77.5.
- Williamson, Floyd M. Mechanisms for hydraulically controlling movement of pads in dies. 2,890,669, 6-16-59, Cl. 113-46.
- Williamson, Floyd M. Circulating systems for hydraulic liquid between tanks and cylinders. 2,901,238, 8-25-59, Cl. 267-1.
- Williamson, Floyd M. Hydraulic system for controlling the return movement of pressure pads in air cushion presses. 2,918,272, 12-22-59, Cl. 267-1.
- Williamson, Frederick B., Jr., and E. V. Holland, Jr., to Goodall Rubber Co. Hose coupling having longitudinal locking means. 2,890,900, 6-16-59, Cl. 285-238.
- Williamson, George D., Jr. Portable adjustable drill press. 2,887,910, 5-26-59, Cl. 77-20.
- Williamson, Herbert J. Spray nozzle assembly. 2,899,138, 8-11-59, Cl. 239-77.
- Williamson, John F.: See—  
Gow, Robert S., and Williamson. 2,867,647.
- Williamson, John M. Boat bumper. 2,885,989, 5-12-59, Cl. 114-219.
- Williamson, John S., to Westinghouse Electric Corp. Rotor-periphery and adjacent shredder-ring structure for food waste disposer. 2,870,970, 1-27-59, Cl. 241-260.
- Williamson, John T.: See—  
Billue, Robert F., and Williamson. 2,905,643.
- Williamson, John W.: See—  
Rotary chopper type hay breaker assembly. 2,889,862, 6-9-59, Cl. 146-119.
- Williamson Mfg. Co. Ltd.: See—  
Woodcock, Edward C. 2,916,979.
- Williamson, Marshall I. Hollow walled folding boxes. 2,893,620, 7-7-59, Cl. 229-34.
- Williamson, Marshall I., to Federal Paper Board Co., Inc. Multicellular carriers. 2,901,157, 8-25-59, Cl. 229-28.
- Williamson, Norman B., to Jarman-Williamson Co. Seat attachment for golf carts. 2,879,831, 3-31-59, Cl. 155-80.
- Williamson, Norman B., to Jarman-Williamson Co. Golf cart. 2,885,215, 5-5-59, Cl. 280-42.
- Williamson, Reginald M.: See—  
Storm, John F., and Williamson. 2,896,454.
- Williamson, Robert S., to Plywood Research Foundation. Automobile top load carrying device. 2,886,271, 5-12-59, Cl. 248-119.
- Williamson, T. D., Inc.: See—  
Ver Nooy, Burton. 2,886,068.
- Ver Nooy, Burton. 2,906,295.
- Ver Nooy, Burton. 2,909,706.
- Williamson, Tom., to The Texas Co. Fluid contact coking of hydrocarbon oils. 2,890,998, 6-16-59, Cl. 208-127.
- Williamson, William R., to Emhart Mfg. Co. Sea water evaporating and distilling plant. 2,885,328, 5-5-59, Cl. 202-167.
- Willford, Jacob V. Rotor for electric motor. 2,870,352, 1-20-59, Cl. 310-162.
- Willford, Oscar H.: See—  
Weinberg, Seymour B., and Willford. 2,911,474.
- Willingham, Herman P. Trawling gear for catching shrimp. 2,890,542, 6-16-59, Cl. 43-9.
- Willingham, John R. Blind hole drill. 2,898,786, 8-11-59, Cl. 77-68.
- Willis, Barry B.: See—  
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- Willis, Cecil H., to Radio Corp. of America. Automatic soldering apparatus. 2,887,078, 5-19-59, Cl. 113-59.
- Willis, Delbert E., to Mack Trucks, Inc. Clutching mechanism for front axle drive for automotive vehicles. 2,887,201, 5-19-59, Cl. 192-67.
- Willis, Grant N., to Cinch Mfg. Corp. Machine for packaging lugs. 2,898,718, 8-11-59, Cl. 53-196.
- Willis, Grant N., to Arthur G. Russell Co., Inc. Vibratory orienting device. 2,918,163, 12-22-59, Cl. 198-33.
- Willis, Grant N., and L. H. Seecombe, Jr., to Cinch Mfg. Corp. Lug inserting machine. 2,897,644, 8-4-59, Cl. 53-247.
- Willis, Henry W.: See—  
Marshburn, James P., and Willis. 2,870,731.
- Willis, Jack K., to General Motors Corp. Force applying lever and linkage system. 2,884,803, 5-5-59, Cl. 74-512.
- Willis, Merville E.: See—  
Hornsby, John W., Letherbury, and Willis. 2,892,314.
- Willis, Newton H., M. E. Erickson, and J. K. Armstrong, to Waukesha Motor Co. Air conditioning system for railway cars and unit-mounting means therefor. 2,902,837, 9-8-59, Cl. 62-239.
- Willis Oil Tool Co.: See—  
Willis, Robert S. 2,870,629.
- Willis, Robert S., 97 1/2% to Willis Oil Tool Co., and 2 1/2% to E. L. Decker. Apparatus for moving an element into and from a vessel containing fluid under pressure. 2,870,629, 1-27-59, Cl. 73-86.

- Willis, Theodore R.: See—  
Anderson, William G., and Willis. 2,875,965.
- Willis, Theodore R., to Collins Radio Co. Thyatron blasing circuit. 2,876,533, 3-3-59, Cl. 250-27.
- Willis, Victor M., to The Sherwin-Williams Co. Tinting bases for both oil and water reducible paints. 2,878,135, 3-17-59, Cl. 106-308.
- Willis, William J.: See—  
Kaiser, Herman F., Mayes, and Willis. 2,883,569.
- Willison, Donald, to National Malleable and Steel Castings Co. Cushioning device. 2,880,885, 4-7-59, Cl. 213-45.
- Willison, Donald, to National Malleable and Steel Castings Co. Coupler operating mechanism. 2,904,191, 9-15-59, Cl. 213-171.
- Willison, William J., 40% to J. H. Winebrenner. Vehicle emergency brake. 2,868,333, 1-13-59, Cl. 188-4.
- Willits, Charles O.: See—  
Naghsli, Joseph, and Willits. 2,880,094.
- Willits, Charles O., J. C. Underwood, and H. G. Lento, to United States of America, Agriculture. Process for making maple product of intensified maple flavor. 2,895,833, 7-21-59, Cl. 99-142.
- Willmott, Herbert J., to United Shoe Machinery Corp. Pressure applying machines. 2,883,685, 4-25-59, Cl. 12-18.5.
- Willmund, Wolf-Dieter: See—  
Kirstahler, Alfred, Willmund, and Strauss. 2,905,602.
- Willner, Ernst, to Telefunken G.m.b.H. Manufacture of delicate grids. 2,878,549, 3-24-59, Cl. 29-25.14.
- Willis, Ervin E., to Federal Electric Products Co. Enclosed panelboard mounting. 2,871,284, 1-27-59, Cl. 174-52.
- Willis, Ervin E., to Electric Products Co. Contact assembly. 2,872,659, 2-3-59, Cl. 339-255.
- Willis, Marion C., to Shawnee Mfg. Co., Inc. Bucket and bucket arm control for booms. 2,870,924, 1-27-59, Cl. 214-138.
- Willis, Marion C., to Shawnee Mfg. Co., Inc. Control mechanism for swingable booms. 2,903,142, 9-8-59, Cl. 212-66.
- Willis, Percy, to Willis Pressure Filled Joint Ring Ltd. Joint rings. 2,893,060, 7-7-59, Cl. 18-55.
- Willis Pressure Filled Joint Ring Ltd.: See—  
Willis, Percy. 2,893,060.
- Willis, Walter P., to Minneapolis-Honeywell Regulator Co. Electrical apparatus. 2,903,678, 9-8-59, Cl. 340-187.
- Willsea, Jasper. Apparatus for silencing the exhaust of internal combustion engines. 2,881,851, 4-14-59, Cl. 181-40.
- Willsey, Charles H. Egg cracking mechanism. 2,895,587, 7-21-59, Cl. 198-27.
- Willsey, Charles H. Mechanism for separating egg whites from egg yolks. 2,900,071, 8-18-59, Cl. 198-229.
- Willsher, Robert V.: See—  
Crook, William C. H., and Willsher. 2,883,905.
- Willson, Karl S.: See—  
Bence, Lynton, Pugh, and Willson. 2,876,272.
- Willutzky, Kurt: See—  
Altrogge, Wilhelm, Willutzky, and Fröngel. 2,904,723.
- Willwacher, Erwin, and H. Weber, to Telefunken Gesellschaft fuer drahtlose Telegraphie G.m.b.H. Frequency selector of microwaves. 2,899,647, 8-11-59, Cl. 331-97.
- Willwerth, John H., to Sperry Rand Corp. Distributor cover. 2,902,185, 9-1-59, Cl. 220-31.
- Willyoung, David M., to General Electric Co. Ventilation of end turn portions of generator rotor winding. 2,904,708, 9-15-59, Cl. 310-64.
- Willman, Sigismund. Tube bending machines. 2,901,930, 9-1-59, Cl. 80-11.
- Willmarth, Robert W.: See—  
Bryant, John H., Peifer, and Willmarth. 2,894,227.
- Marchese, Theodore J., and Willmarth. 2,912,610.
- Will-Mat Corp.: See—  
Matthews, John T. 2,895,770.
- Willmer, Rudolph H.: See—  
Ruddell, Allison R., and Willmer. 2,887,115.
- Ruddell, Allison R., and Willmer. 2,887,352.
- Willmot-Broeden Ltd.: See—  
Harman, Julius. 2,892,653.
- Willmot Castle Co.: See—  
Greppin, Ernest H. 2,880,372.
- Willms, Carl A., and D. K. Jewell, to J. W. Leslie. Pitting tool. 2,908,305, 10-13-59, Cl. 146-17.
- Willms, Henry F., and P. D. Golrick, to The Elwell-Parker Electric Co. Side operating die handling industrial truck. 2,880,897, 4-7-59, Cl. 214-514.
- Willms, Hugo, O. Bayer, and B. Bunge, to Mobay Chemical Co. Lacquer including diisocyanate and polyhydroxy compounds. 2,904,532, 9-15-59, Cl. 260-63.
- Willmshurst, Eric C.: See—  
Oxley, Peter, Bristow, Williams, Woolfe, and Willmshurst. 2,904,590.
- Willner, John T., to The Hearst Corp., WBAL Division. Camera tube burn-in prevention. 2,881,248, 4-7-59, Cl. 178-7.2.
- Willsker, Oscar: See—  
Stevens, George H., and Willsker. 2,890,401.
- Willsmann, Wilhelm. Feed arrangement for centrifugal separators. 2,869,781, 1-20-59, Cl. 233-45.
- Willsmann, Wilhelm, to Westfalia Separator A.G. Centrifuge drive arrangement. 2,913,169, 11-17-59, Cl. 233-23.
- Wilson, Albert: See—  
Bittner, Louis, and Wilson. 2,885,673.
- Wilson, Albert R., to Monsanto Chemical Co. Water-emulsion paints containing cyanoethylated starch. 2,881,143, 4-7-59, Cl. 260-17.4.
- Wilson, Alexander L.: See—  
Morris, Leo, and Wilson. 2,882,265.
- Wilson, Alexander L., to Corn Products Co. Dry stable feed supplement. 2,899,307, 8-11-59, Cl. 99-2.
- Wilson, Alexander T., and D. A. McCaulay, to Standard Oil Co. Conversion process. 2,872,396, 2-3-59, Cl. 204-162.
- Wilson, Allen B., to Acme Steel Co. Roof construction and tile therefor. 2,874,652, 2-24-59, Cl. 108-6.5.
- Wilson, Allen B., to Acme Steel Co. Metal slat folding door. 2,911,037, 11-3-59, Cl. 160-199.
- Wilson, Allen B., and B. P. Coleman, to Acme Steel Co. Sheet metal piling. 2,880,589, 4-7-59, Cl. 61-60.
- Wilson, Allen B., R. D. Keiser, and B. P. Coleman, to Acme Steel Co. Beach landing mat. 2,912,910, 11-17-59, Cl. 94-13.
- Wilson, Alva R.: See—  
Wigham, William E., Lane, and Wilson. 2,868,225.
- Wilson, Archibald: See—  
Coyle, John H., Wilson, and Vargonicisk. 2,871,899.
- Wilson, Archie S., to United States of America, Atomic Energy Commission. Nitric acid recovery from waste solutions. 2,882,129, 4-14-59, Cl. 23-161.
- Wilson, Arthur O., 1/2 to J. V. Karras. Method and means of securing machine work against a machine table. 2,873,653, 2-17-59, Cl. 90-59.
- Wilson, Arthur V. Automotive vehicle steering wheel. 2,913,923, 11-24-59, Cl. 74-552.
- Wilson Athletic Goods Mfg. Co., Inc.: See—  
Turner, Archibald J. 2,877,018.
- Wilson, Ben W.: See—  
Hunter, Herbert T., and Wilson. 2,867,162.
- Wilson, Benjamin S. Window construction with weather seal. 2,909,813, 10-27-59, Cl. 20-55.
- Wilson, Bernard, to The General Electric Co. Ltd. Frequency modulated series tube phase shift oscillator. 2,917,718, 12-15-59, Cl. 332-27.
- Wilson, Bert A. Roll neck cutting machine. 2,910,904, 11-3-59, Cl. 82-20.
- Wilson, Charles D.: See—  
Fleischmann, John J., and Wilson. 2,888,240.
- Wilson, Charles D., to Allis-Chalmers Mfg. Co. Inlet valve supporting and actuating mechanism for elastic fluid turbines. 2,895,491, 7-21-59, Cl. 137-35.
- Wilson, Charles O., Jr.: See—  
Haber, Charles P., and Wilson. 2,892,873.
- Wilson, Charles O., Jr., to Olin Mathieson Chemical Corp. Process for the preparation of lower alkyl borates. 2,880,227, 3-31-59, Cl. 260-462.
- Wilson, Charles P., to W. R. Grace & Co. Catalyst for hydrocarbon conversion reactions. 2,901,440, 8-25-59, Cl. 252-441.
- Wilson, Charles V.: See—  
Humphlett, Wilbert J., and Wilson. 2,875,195.
- Humphlett, Wilbert J., and Wilson. 2,875,214.
- Wilson, Chester E.: See—  
Wasley, William L., and Wilson. 2,883,340.
- Wilson, Clarence W.: See—  
Guth, Charles H., and Wilson. 2,911,551.
- Wilson, Clarence W., to Sunkist Growers, Inc. Method of purifying flavone derivatives. 2,916,500, 12-8-59, Cl. 260-345.2.
- Wilson, Clark R., to International Telephone and Telegraph Corp. Waveform generators. 2,907,026, 9-29-59, Cl. 343-17.1.
- Wilson & Co., Inc.: See—  
Czarnetzky Edward J. 2,904,437.
- Dormitzer, Henry C. 2,875,222.
- Garapolo, Orlando. 2,911,857.
- Robertson, Edwin J., and Craine. 2,876,114.
- Tschentke, Herman L., and Streightliff. 2,868,661.
- Wilson, Dominic. Dispensing conduit for a liquid dispenser. 2,876,937, 3-10-59, Cl. 222-529.
- Wilson, Donald G.: See—  
Thomson, Ian F., and Wilson. 2,878,357.
- Wilson, Earl E. Automobile drier unit. 2,874,485, 2-24-59, Cl. 34-230.
- Wilson, Earl L. Helicopter kite. 2,893,663, 7-7-59, Cl. 244-154.
- Wilson, Earl L. Flying saucer kite. 2,903,207, 9-8-59, Cl. 244-153.
- Wilson, Edward D. Electrical ignition gas torch. 2,888,066, 5-26-59, Cl. 158-27.4.
- Wilson, Edward S., and D. R. Young, to International Business Machines Corp. System for storing and releasing information. 2,885,656, 5-5-59, Cl. 340-173.
- Wilson Electrical Equipment Co., Inc.: See—  
Calmes, Dallas L. 2,907,870.
- Wilson, Elmo S. Venetian blind assembly device. 2,917,810, 12-22-59, Cl. 29-24.5.
- Wilson, Eric S. Animal holding means. 2,904,006, 9-15-59, Cl. 119-103.
- Wilson, Eugene. Stop motion for terry weave looms. 2,897,849, 8-4-59, Cl. 139-353.
- Wilson, Evelyn H., to Johnson & Johnson. 7-chloro coumarins. 2,887,495, 5-19-59, Cl. 260-343.2.
- Wilson, Evelyn H., to Johnson & Johnson. Process for producing oxy aromatic acid chlorides. 2,899,458, 8-11-59, Cl. 260-480.



- Wilson, Ford M. Pallet loading device. 2,880,558, 4-7-59, Cl. 53-35.
- Wilson, Frank C., to K. R. Wilson, Inc. Hydraulic presses. 2,877,705, 3-17-59, Cl. 100-214.
- Wilson, Frank R., to Q. E. Wilson. Flaring tool with automatic gauging means. 2,907,370, 10-6-59, Cl. 153-79.
- Wilson, Frank R., to Q. E. Wilson. Gauge for swaging tool. 2,915,107, 12-1-59, Cl. 153-79.
- Wilson, Fred B.: See—
- Madison, James J., and Wilson. 2,890,632.
- Wilson, Fred M., Sr., 25% to P. E. Petrie and 25% to B. Braverman. Hot-air liquid-fuel furnace. 2,893,374, 7-7-59, Cl. 126-110.
- Wilson, Gardner P., to Consolidated Electrodynamics Corp. Automatic control apparatus for mass spectrometers. 2,882,405, 4-14-59, Cl. 250-419.
- Wilson, George A., to I-T-E Circuit Breaker Co. Shutter operating mechanism. 2,894,085, 7-7-59, Cl. 200-50.
- Wilson, George D.: See—
- Niven, Charles F., Jr., Deibel, and Wilson. 2,907,661.
- Wilson, George D. Inside diameter comparator. 2,873,533, 2-17-59, Cl. 33-147.
- Wilson, George D., to General Precision Laboratory Inc. Lighting system for counters and the like. 2,909,857, 10-27-59, Cl. 40-77.
- Wilson, George H.: See—
- Barrett, Harold, Forrester, and Wilson. 2,896,946.
- Wilson, Glenn R., to Ford Motor Co. Perfluoroalkyl phosphite and phosphonate lubricants and lubricant additives. 2,888,481, 5-26-59, Cl. 260-461.
- Wilson, Gordon, Jr.: See—
- McBee, Earl T., Roberts, and Wilson. 2,908,710.
- Wilson, Gordon A., Jr., to McGraw-Edison Co. Manual tap changing switch. 2,903,530, 9-8-59, Cl. 200-66.
- Wilson, Harold F.: See—
- Craig, W. E. Shropshire, and Wilson. 2,881,111.
- Wilson, Harry. Round chain saw sprocket. 2,884,798, 5-5-59, Cl. 74-243.
- Wilson, Harry C. Magnetic latch. 2,906,553, 9-29-59, Cl. 292-251.5.
- Wilson, Harry R., to Engineered Equipment Inc. Mobile power concrete saw device having an adjustable cutting disc. 2,889,141, 6-2-59, Cl. 262-20.
- Wilson, Harry W. Self-palletized package. 2,895,608, 7-21-59, Cl. 206-56.
- Wilson, Harry W. Method of packaging K.D.F. cartons. 2,896,207, 7-21-59, Cl. 53-3.
- Wilson, Helen M. Removable purse liner and method of fabrication. 2,893,457, 7-7-59, Cl. 150-30.
- Wilson, Herman I.: See—
- Muenger, James R., and Wilson. 2,885,865.
- Wilson, Homer T., to Johnston Testers, Inc. Safety device. 2,881,842, 4-14-59, Cl. 166-221.
- Wilson, Howard L.: See—
- Rader, William H., and Wilson. 2,906,733.
- Wilson, Hubert N., and F. M. Glass, to United States of America, Atomic Energy Commission. Radiation integrator. 2,874,305, 2-17-59, Cl. 250-83.6.
- Wilson, Hugh M., to The International Nickel Co. Die press. 2,884,822, 5-5-59, Cl. 78-18.
- Wilson, J. A., Lighting & Display Ltd.: See—
- McCormack, Donald C. 2,918,569.
- Wilson, J. G., Corp.: See—
- Zoll, Maurice B. 2,898,988.
- Wilson, Jack K., N. E., and R. S. Archer's bowstring jig. 2,906,086, 9-29-59, Cl. 57-1.
- Wilson, Jack L., to Temploc, Inc. Composite fabrication pipe. 2,894,538, 7-14-59, Cl. 138-64.
- Wilson, Jack M.: See—
- Scott, Thomas R., King, and Wilson. 2,910,394.
- Wilson, Jack M., to International Standard Electric Corp. Methods of producing silicon of high purity. 2,888,328, 5-26-59, Cl. 23-204.
- Wilson, Jack P.: See—
- Clelland, William M., Wilson, and Glassford. 2,915,892.
- Wilson, Jack P., to Proctor & Schwartz, Inc. Shearing and cutting apparatus for gelatinous material. 2,881,472, 4-14-59, Cl. 18-4.
- Wilson, James A.: See—
- Phelan, James M., and Wilson. 2,897,671.
- Wilson, James A., to Esso Research and Engineering Co. Static electricity detection and control system. 2,909,190, 10-20-59, Cl. 137-487.5.
- Wilson, James A., and S. B. Alter, to Equipment Engineers, Inc. Slip mounting for well tools. 2,879,851, 3-31-59, Cl. 166-216.
- Wilson, James C., to Owens-Illinois Glass Co. Corner construction for boxes. 2,875,942, 3-3-59, Cl. 229-35.
- Wilson, James C., to National Container Corp. Carton. 2,884,175, 4-28-59, Cl. 229-5.5.
- Wilson, James L., to Wilson Metal Products, Inc. Frying device. 2,899,889, 8-18-59, Cl. 99-408.
- Wilson, James R.: See—
- Bagdanovich, Michael P., and Wilson. 2,887,055.
- Wilson, James R., and R. Harbec. Individual container dispenser. 2,898,003, 8-4-59, Cl. 222-107.
- Wilson, Jardine C.: See—
- Yamada, Donald A., Katz, and Wilson. 2,883,308.
- Wilson, Jesse A., Jr., to C. A. Norgren Co. Liquid expulsion valve assembly. 2,918,075, 12-22-59, Cl. 137-204.
- Wilson, John B., to Reynolds Metals Co. Apparatus for heat-sealing metallic liners in containers. 2,898,974, 8-11-59, Cl. 154-1.
- Wilson, John F., Jr.: See—
- Beebe, Kenneth H., Carr, and Wilson. 2,874,474.
- Wilson, John H.: See—
- Mahon, William J., and Wilson. 2,879,740.
- Wilson, John H. Clamp-on tool bit. 2,883,737, 4-28-59, Cl. 29-96.
- Wilson, John H. Apparatus for molding concrete building slabs. 2,886,876, 5-19-59, Cl. 25-121.
- Wilson, John H. Fluid pressure actuated clutch mechanism. 2,887,202, 5-19-59, Cl. 192-85.
- Wilson, John H. Method of making a crank shaft assembly for reciprocating pumps. 2,899,742, 8-18-59, Cl. 29-447.
- Wilson, John H. Individual power drive unit for rotary tables. 2,911,193, 11-3-59, Cl. 255-19.
- Wilson, John H. Multi-speed transmission cases. 2,912,882, 11-17-59, Cl. 74-611.
- Wilson, John N.: See—
- De Keizer, Adrianus, and Wilson. 2,897,246.
- Van Dyke, Ross E., and Wilson. 2,880,511.
- Wilson, John R., to Hanlon & Wilson Co. Heat exchangers. 2,872,164, 2-3-59, Cl. 257-241.
- Wilson, John W., 1/2 to R. Lukart, III, and 1/2 to S. Ayres, III. Skin treating apparatus. 2,867,214, 1-6-59, Cl. 128-355.
- Wilson Jones Co.: See—
- Marano, Herbert W. 2,883,792.
- Marano, Herbert W. 2,917,747.
- Potts, John. 2,876,021.
- Segal, Samuel. 2,871,863.
- Segal, Samuel. 2,885,934.
- Wilson, Joseph E., and R. K. Walton, to Union Carbide Corp. Phenolic resin and 3,9-dialkylispirotri (M-dioxane) reaction products and process for hardening same. 2,915,492, 12-1-59, Cl. 260-43.
- Wilson, Joseph E., and R. K. Walton, to Union Carbide Corp. Copolymers of bisphenols and 3,9-dialkylispirotri (M-dioxanes). 2,915,499, 12-1-59, Cl. 260-47.
- Wilson, Joseph E., and R. K. Walton, to Union Carbide Corp. Copolymers of mononuclear phenols, polyols and 3,9-dialkylispirotri (M-dioxanes). 2,915,500, 12-1-59, Cl. 260-47.
- Wilson, Joseph F.: See—
- Hillyer, John C., and Wilson. 2,914,474.
- Wilson, Joseph F., to Phillips Petroleum Co. Manufacture of triple superphosphate. 2,913,330, 11-17-59, Cl. 71-41.
- Wilson, K. R., Inc.: See—
- Wilson, Frank C. 2,877,705.
- Wilson, Kermit H. Folding table. 2,873,157, 2-10-59, Cl. 311-92.
- Wilson, Lawrence A.: See—
- Luning, George A., and Wilson. 2,877,017.
- Wilson, Lawrence A., B. M. Durfee, and H. J. Tashjian, to International Business Machines Corp. Shock absorbing mechanism. 2,900,831, 8-25-59, Cl. 74-216.5.
- Wilson, Lee: See—
- Blackman, Calvin C. 2,875,997.
- Blackman, Calvin C. 2,903,051.
- Wilson, Leon E., and C. D. Pengelley, to United States of America, Air Force. Force sensitive load measuring system. 2,885,891, 5-12-59, Cl. 73-147.
- Wilson, Leonard B. Jig for standard pipe flanges. 2,887,079, 5-19-59, Cl. 113-104.
- Wilson, Lewis E. Multiple screen drive-in theater. 2,895,179, 7-21-59, Cl. 20-112.
- Wilson, Lewis P., and R. L. Turner, deceased, by D. H. Turner, executrix, to Olin Mathieson Chemical Corp. Process of making soft iron shot. 2,867,554, 1-6-59, Cl. 148-3.
- Wilson, Loren R., to The Magnavox Co. Card processing apparatus. 2,883,189, 4-21-59, Cl. 271-27.
- Wilson, Louis D.: See—
- Blain, Albert, Welsh, Wilson, and Reed. 2,914,264.
- Blain, Albert, Welsh, Wilson, Reed, Meyer, and Roggenstein. 2,874,369.
- Wilson, Louis D., S. M. Oster, and T. Ash, to Remington Rand Inc. Record feeding control means. 2,868,340, 1-13-59, Cl. 192-4.
- Wilson, Lucius H., W. M. Thomas, and J. J. Padbury, to American Cyanamid Co. Paper of improved dry strength and method of making same. 2,884,057, 4-28-59, Cl. 162-164.
- Wilson, Lucius H., and Y. Jen, to American Cyanamid Co. Modified urea-formaldehyde resins and paper containing the same. 2,901,391, 8-25-59, Cl. 162-167.
- Wilson, Lucius H., W. C. Hopkins, and S. F. Stafiej, to American Cyanamid Co. Manufacture of rosin and rosin size of decreased latent foaming tendency. 2,909,514, 10-20-59, Cl. 260-97.
- Wilson, Manne I.: See—
- Åberg, Lars D. and C. R., and Wilson. 2,918,235.
- Wilson, Marion E. Method of manufacturing pipes, conduits, and the like. 2,877,150, 3-10-59, Cl. 154-83.
- Wilson, Mathew R., to United States of America, Air Force. Dual retinoscope. 2,882,789, 4-21-59, Cl. 88-22.
- Wilson, Matthew W.: See—
- Formanek, Robert J., and Wilson. 2,912,355.
- Lessig, Edward T., and Wilson. 2,889,802.

- Wilson, Melvin L.: See—
- Stadelman, William J., and Wilson. 2,876,110.
- Wilson, Melvin G., to International Business Machines Corp. Mono-stable multivibrator. 2,894,128, 7-7-59, Cl. 250-27.
- Wilson, Merton C.: See—
- Hudson, Harold R., Nicholson, and Wilson. 2,889,518.
- Wilson Metal Products, Inc.: See—
- Wilson, James L. 2,899,889.
- Wilson, Newton R.: See—
- Webster, George J., and Wilson. 2,871,978.
- Wilson, Norman B. Centrifugal clutch. 2,882,525, 6-30-59, Cl. 192-105.
- Wilson, Norman E.: See—
- Wilson, Jack K., N. E., and R. S. 2,906,086.
- Wilson Plastic Container Corp.: See—
- Penman, Arthur W. 2,903,139.
- Wilson, Quinn E.: See—
- Wilson, Frank R. 2,907,370.
- Wilson, Frank R. 2,915,107.
- Wilson, Reagan T., to Phillips Petroleum Co. Improving color and color stability of kerosene by combined auto fining and hydrofining. 2,880,166, 3-31-59, Cl. 208-100.
- Wilson, Reid F. Auxiliary vehicle brake. 2,886,139, 5-12-59, Cl. 188-5.
- Wilson, Rex C. TV receiver circuit. 2,872,573, 2-3-59, Cl. 250-27.
- Wilson, Richard A., to Sperry Products, Inc. Method and means for detecting flaws in rails. 2,884,592, 4-28-59, Cl. 324-37.
- Wilson, Richard S. Golf caddy vehicle having spring supported golf club rack. 2,880,012, 3-31-59, Cl. 280-47.19.
- Wilson, Robert D., to Raytheon Mfg. Co. Electron tube. 2,883,575, 4-21-59, Cl. 313-247.
- Wilson, Robert F.: See—
- Evans, Lyle W., Rychlewski, and Wilson. 2,898,226.
- Rychlewski, Thaddeus V., and Wilson. 2,872,316.
- Rychlewski, Thaddeus V., and Wilson. 2,898,225.
- Wilson, Robert L. Apparatus for conditioning motors. 2,912,990, 11-17-59, Cl. 134-103.
- Wilson, Robert R., to United States of America, Atomic Energy Commission. Apparatus for producing shadowgraphs. 2,899,557, 8-11-59, Cl. 250-65.
- Wilson, Robert S.: See—
- Wilson, Jack K., N. E., and R. S. 2,906,086.
- Wilson, Robert W.: See—
- Hoyer, Wilmer A., and Wilson. 2,907,900.
- Wilson, Robert W., to R. H. Bouligney, Inc. Valve construction. 2,886,053, 5-12-59, Cl. 137-207.
- Wilson, Rosser L., to American Brake Shoe Co. Railroad brake shoes. 2,869,689, 1-20-59, Cl. 188-251.
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- Wilson, Rosser L., to American Brake Shoe Co. Brake shoes. 2,904,138, 9-15-59, Cl. 188-251.
- Wilson, Rufus W.: See—
- Wald, John R., Jr., and Wilson. 2,878,034.
- Wald, John R., Jr., and Wilson. 2,895,647.
- Wilson, Rufus W., to Wald Industries, Inc. Magnetic conveyor. 2,873,843, 2-17-59, Cl. 198-41.
- Wilson, Rufus W., to Wald Industries, Inc. Highway marking apparatus. 2,878,025, 3-17-59, Cl. 275-2.
- Wilson, Samuel W., and S. J. Bodnar, to Esso Research and Engineering Co. Acetylene removal from diolefin streams. 2,870,232, 1-20-59, Cl. 260-681.5.
- Wilson, Samuel W., and W. H. Silver, to Esso Research and Engineering Co. Crude ethanol operations. 2,872,491, 2-3-59, Cl. 260-639.
- Wilson Supply Co.: See—
- Johnston, Rufus B. 2,914,036.
- Johnston, Rufus B. 2,914,037.
- Wilson, Sylvester V. Tethering device for grooming show animals. 2,902,976, 9-8-59, Cl. 119-19.
- Wilson, Theodore J., to Minneapolis-Honeywell Regulator Co. Aircraft attitude indicating apparatus. 2,889,710, 6-9-59, Cl. 74-5.34.
- Wilson, Thomas C., Inc.: See—
- Schott, Donald E. 2,884,814.
- Wilson, Verne H., to Monroe Calculating Machine Co. Selecting circuit. 2,872,114, 2-3-59, Cl. 235-61.
- Wilson, Volney C., and L. T. Plekarski. Replacement blood transfusion apparatus. 2,910,981, 11-3-59, Cl. 128-214.
- Wilson, W. F.: See—
- Calmes, Dallas L. 2,907,870.
- Wilson, Walter H. Adjustable tripod type gun mount. 2,870,683, 1-27-59, Cl. 89-40.
- Wilson, Walter R.: See—
- Streater, August L., and Wilson. 2,914,724.
- Swerdlow, Nathan, and Wilson. 2,892,012.
- Wilson, Walter R., Sr. Plate bending and seam sealing machine having work engaging roller pivoted to swing across portion of work to be bent. 2,907,366, 10-6-59, Cl. 153-16.
- Wilson, Warren B. Transcribing attachment. 2,877,741, 3-17-59, Cl. 120-31.
- Wilson, Wesley. Fluorescent lighting fixture. 2,907,872, 10-6-59, Cl. 240-51.11.
- Wilson, Wilbert M., and R. J. Martin, to Pluess-Stauffer (North American) Inc. Tobacco smoke filters. 2,909,182, 10-20-59, Cl. 131-208.
- Wilson, William A.: See—
- Archibald, Francis M., and Wilson. 2,885,357.
- Esmay, Donald L., Fotis, and Wilson. 2,881,234.
- Wilson, William B.: See—
- North, Edwin W., and Wilson. 2,871,047.
- Wilson, William D., to Winters Mfg. Co. Mounting means for a removable grill. 2,896,526, 7-28-59, Cl. 98-108.
- Wilson, William G.: See—
- Harter, Isaac, Jr., Ratcliffe, and Wilson. 2,867,018.
- Wilson, William J.: See—
- Sommers, Donald J., and Wilson. 2,877,429.
- Sommers, Donald J., and Wilson. 2,909,736.
- Wilson, William J., to Sanders Associates, Inc. High frequency transmission line tuning device. 2,896,177, 7-21-59, Cl. 333-33.
- Wilson's, William M. Sons, Inc.: See—
- Dunning, Leighton. 2,885,147.
- Wilstead, Graham H., to Electronic Instruments Ltd. Devices comprising electrical condensers adapted to vary their capacity periodically. 2,867,758, 1-6-59, Cl. 317-250.
- Wilt, Myron H.: See—
- Hawthorne, John O., and Wilt. 2,905,570.
- Wilt, Paul E., III, and A. A. Young, to Atlas Powder Co. Process for the manufacture of explosive nitric esters. 2,883,414, 4-21-59, Cl. 260-467.
- Wilt, Ted. Suitcase and tray. 2,873,830, 2-17-59, Cl. 190-41.
- Wilton, Robert, to American Gage & Machine Co. Sensitive meter-type relay. 2,885,534, 5-26-59, Cl. 200-110.
- Wiltse, Sumner D. Pressure actuated resilient sleeve type tube coupling. 2,871,034, 1-27-59, Cl. 285-109.
- Wiltse, Sumner D. Pipe joint with flexible internal sleeve. 2,896,973, 7-28-59, Cl. 285-81.
- Wiltse, Sumner D. Pipe coupling having means to provide for cold flow of a resilient sleeve. 2,896,976, 7-28-59, Cl. 285-230.
- Wiltse, Sumner D. Fluidized pressure system. 2,897,005, 7-28-59, Cl. 302-24.
- Wiltshire, William T. S., and C. S. Terez, to General Electric Co. Electric lamp making machine. 2,910,166, 10-27-59, Cl. 198-33.
- Wimmer, Ernest L., to Chas. A. Krause Milling Co. Adhesives and method of manufacturing the same. 2,881,086, 4-7-59, Cl. 106-213.
- Wimmer, Ernest L., to Chas. A. Krause Milling Co. Starch cross-linked with hexahydro-1,3,5-triacryloyl-s-triazine. 2,910,467, 10-27-59, Cl. 260-233.3.
- Wimmer, Ernest L., and F. Meindl, to Chas. A. Krause Milling Co. Art of manufacturing cold water dispersible adhesives. 2,894,859, 7-14-59, Cl. 127-33.
- Wimmer, Herman J.: See—
- Schum, Eugene F., and Wimmer. 2,906,495.
- Wimpress, Donald S., to The Garrett Corp. Turbine speed control. 2,889,117, 6-2-59, Cl. 239-124.
- Winans, Robert C.: See—
- MacWilliams, Walter H., Jr., and Winans. 2,870,327.
- Winberg, Hilmer E.: See—
- Anderson, John L., and Winberg. 2,876,216.
- Winberg, Hilmer E., to E. I. du Pont de Nemours and Co. Preparation of dimethylene heterocyclic compounds. 2,904,540, 9-15-59, Cl. 260-79.7.
- Winberg, Ragnar W. Work feeding mechanism for sewing machine. 2,892,427, 6-30-59, Cl. 112-211.
- Winberg, Ragnar W. Throat plate. 2,908,237, 10-13-59, Cl. 112-260.
- Wince, Veal S., to Holophane Co., Inc. Outdoor lighting fixtures. 2,905,808, 9-22-59, Cl. 240-25.
- Winch, Allen R., to Personal Products Corp. Fiber abrasive. 2,889,568, 6-9-59, Cl. 15-209.
- Winch, Allen R., to Personal Products Corp. Cleaning and scouring pads. 2,896,242, 7-28-59, Cl. 15-209.
- Winchell, Clifford E.: See—
- Brown, Chester A., and Winchell. 2,903,090.
- Winchell Co., The: See—
- Gloekner, Frederick. 2,882,619.
- Winchell, Frank J.: See—
- Mrlk, Jerry R., and Winchell. 2,875,856.
- Winchell, Frank J., to General Motors Corp. Transmission. 2,891,828, 6-23-59, Cl. 308-235.
- Winchell, Frank J., to General Motors Corp. Spring clutch. 2,895,578, 7-21-59, Cl. 192-41.
- Winchell, Frank J., to General Motors Corp. Transmission control systems. 2,896,478, 7-28-59, Cl. 74-754.
- Winchell, Frank J., to General Motors Corp. One way clutch. 2,902,126, 9-1-59, Cl. 192-45.1.
- Winchell, Wesley L. Automobile visor with rotatable light polarizers. 2,915,936, 12-8-59, Cl. 88-1.
- Winchell, Wesley L. Visor. 2,915,937, 12-8-59, Cl. 88-1.
- Winchester, Barbara. Bowl shaped play thing. 2,878,858, 3-24-59, Cl. 155-69.
- Winchester Electronics, Inc.: See—
- D'Amico, Anthony F. 2,902,665.
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- Winckler, John R.: See—
- Huch, William F., Ney, and Winckler. 2,900,147.
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Winder, William C., and A. M. Swanson, to Wisconsin Alumni Research Foundation. Method for ripening cheese. 2,882,164, 4-14-59, Cl. 99-116.

Winder, William C., and E. W. Kielsmeier, to Wisconsin Alumni Research Foundation. Process of drying milk. 2,911,301, 11-3-59, Cl. 99-56.

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Windl, Herman F.: Bed chair. 2,905,953, 9-29-59, Cl. 5-327.

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Windsor, Alfred A., to United States of America, Atomic Energy Commission. Drift compensated direct coupled amplifier. 2,885,497, 5-5-59, Cl. 179-171.

Windsor, Harold F., to General Electric Co. Method for increasing dry adhesion of luminescent screens. 2,907,673, 10-6-59, Cl. 117-33.5.

Windsor, Harold F., to General Electric Co. Screen settling for cathode ray tubes. 2,913,352, 11-17-59, Cl. 117-33.5.

Windsor, R. H., Ltd.: See—  
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Windust, Frank A.: Camp stove. 2,907,316, 10-6-59, Cl. 126-9.

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Winegard, John R., to Winegard Co. TV antenna supporting substructure for installation on the slope, ridge or end of a roof. 2,891,748, 6-23-59, Cl. 248-46.

Winer, Ephraim, to The National Plastics Products Co. Spooling. 2,889,377, 6-9-59, Cl. 18-8.

Winesett, Frank P.: Bag stacking assembly for a bag making machine. 2,898,106, 8-4-59, Cl. 271-79.

Winet, Hans, to Landis & Gyr. A.G. Valve unit for gas oven temperature regulator. 2,901,212, 8-25-59, Cl. 251-333.

Winfield, Denis, and E. Start, to Cotton William Ltd. Straight bar knitting machine. 2,897,664, 8-4-59, Cl. 60-82.

Wing, Arthur K., Jr., and J. H. Bryant, to International Telephone and Telegraph Corp. Directional power dividers. 2,894,168, 7-7-59, Cl. 315-3.6.

Wing, Arthur K., Jr., and H. W. Cole, to International Telephone and Telegraph Corp. Electron discharge devices. 2,899,593, 8-11-59, Cl. 315-3.5.

Wing, Charles E., to General Motors Corp. Idle vent valve. 2,867,423, 1-6-59, Cl. 261-43.

Wing, George S., to Hi-Shear Rivet Tool Co. Bolt holding wrench. 2,882,773, 4-21-59, Cl. 81-56.

Wingard, William F., and R. A. Gosselin, 1/2 to A. Wells & Co. Ltd., and 1/2 to United-Carr Fastener Corp. Vibration isolator and shock mount. 2,894,711, 7-14-59, Cl. 248-353.

Wingate, Mary K.: Poison bait mouse and rat exterminator. 2,896,362, 7-28-59, Cl. 43-131.

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Farrand, Clair L., and Winget.: 2,915,721.

Winget, William A.: Pusher cup attachment for tractors. 2,919,142, 12-29-59, Cl. 280-481.

Wingfield, Raymond O.: Bath installation, in particular for birds. 2,878,781, 3-24-59, Cl. 119-72.

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Winiarczyk, Edward R., to Metal Hydrides Inc. Preparation of sodium borohydride. 2,900,240, 8-18-59, Cl. 23-312.

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Winicov, Murray W.: See—  
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Wink, Edward C.: Apparatus for connecting plows or the like to a tractor. 2,899,002, 8-11-59, Cl. 172-319.

Wink, Fredrick W., to Bucyrus-Erie Co. Lightweight portable diamond drill. 2,914,305, 11-24-59, Cl. 255-19.

Winkel, Herbert C.: Cell quantity selector for battery plates. 2,870,921, 1-27-59, Cl. 214-6.

Winkel, Herbert C., C. H. McAlpine, and K. G. McGowan: said McAlpine and said McGowan assors. to said Winkel. Apparatus for forming battery components. 2,908,377, 10-13-59, Cl. 198-35.

Winkelmann, Clarence N.: Automotive vehicle foot pedals. 2,878,808, 3-24-59, Cl. 192-3.

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Winker, James A., to United States of America, Air Force. Balloon launching device. 2,917,254, 12-15-59, Cl. 244-2.

Winkin, Justin P., to The Babcock & Wilcox Co. Method of and apparatus for generating vapor. 2,890,684, 6-16-59, Cl. 122-1.

Winkle, Robert G.: See—  
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Winkler, Albert H., to Bendix Aviation Corp. Automatic choke. 2,880,978, 4-7-59, Cl. 261-52.

Winkler, Albert H., to Bendix Aviation Corp. Fuel supply system. 2,884,916, 5-5-59, Cl. 123-119.

Winkler, Albert H., to Bendix Aviation Corp. Engine control mechanism. 2,885,194, 5-5-59, Cl. 261-52.

Winkler, Albert H., to Bendix Aviation Corp. Fuel supply system. 2,888,000, 5-26-59, Cl. 123-119.

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Winkler, Albert H., to Bendix Aviation Corp. Dashpot. 2,915,303, 12-1-59, Cl. 261-34.

Winkler, Alfred, and W. Kaden, to Agfa Akt. Roll-film photographic cameras. 2,879,704, 3-31-59, Cl. 95-31.

Winkler, Alfred, and W. Kaden, to Agfa Aktiengesellschaft. Film spool bearing for photographic cameras or the like. 2,902,231, 9-1-59, Cl. 242-71.3.

Winkler, Alfred, and W. Kaden, to Agfa Aktiengesellschaft. Focusing mechanism for photographic cameras. 2,910,925, 11-3-59, Cl. 95-45.

Winkler, Alvin L., to Acme Steel Co. Lock flap carton folding and strapping machine. 2,905,066, 9-22-59, Cl. 93-55.1.

Winkler, Alvin L., and J. L. Oldham, to Auto Stapler Corp. Apparatus for driving and clinching a two-prong fastener. 2,881,438, 4-14-59, Cl. 1-3.

Winkler, Alvin L., R. E. Hager, and K. A. Falck-Pedersen, to Acme Steel Co. Box strapping machine. 2,882,814, 4-21-59, Cl. 100-25.

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Cobbett, Leonard C., and Winkler.: 2,917,722.

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Picha, George J., and Winkler.: 2,883,519.

Winkler, Frederic C., to Westinghouse Electric Corp. Lighting fixture. 2,912,568, 11-10-59, Cl. 240-147.

Winkler, Frederic C., to Westinghouse Electric Corp. Luminaire. 2,914,661, 11-24-59, Cl. 240-78.

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Winkler, Otto, to Geraetebau-Anstalt. Rotatable current lead-in units for furnace crucible. 2,885,647, 5-5-59, Cl. 339-5.

Winkler, Raymond W.: See—  
May, Walter G., Winkler, and Gorguly.: 2,902,441.

Winkler, Richard, and K. Dunnebler, to Berkley Machine Co. Apparatus for counting and banding envelopes and the like. 2,917,884, 12-22-59, Cl. 53-198.

Winkler, Richard H., to Monogram Precision Industries, Inc. Waveguide. 2,872,650, 2-3-59, Cl. 333-95.

Winkler, Richard H., to Monogram Precision Industries, Inc. Resonant waveguide backward-wave oscillator. 2,899,595, 8-11-59, Cl. 315-3.5.

Winkler, Theodore E.: Incinerator construction. 2,910,020, 10-27-59, Cl. 110-18.

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Winn, Oliver H., to General Electric Co. Piezo-electric type frequency changer. 2,881,390, 4-7-59, Cl. 324-68.

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Winslow, Arnold A., to Robertshaw-Fulton Controls Co. Temperature responsive control device. 2,872,555, 2-3-59, Cl. 219-20.

Winslow, Charles A.: Folding anchor. 2,869,503, 1-20-59, Cl. 114-208.

Winslow, Charles A.: Anchor, hose pipe, and hoist means. 2,903,989, 9-15-59, Cl. 114-179.

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Hawkins, Walter L., Lanza, and Winslow.: 2,889,306.

Winslow, James C.: Drill countersink bit. 2,897,695, 8-4-59, Cl. 77-66.

Winslow, James C.: Power drill with work holding device and spacing means. 2,909,949, 10-27-59, Cl. 77-13.

Winslow, James C.: Power tool with suction foot. 2,910,895, 11-3-59, Cl. 77-13.

Winslow, James C., and R. C. Schneider, to Winslow Product Engineering Corp. Collet foot for power tool. 2,911,860, 11-10-59, Cl. 77-55.

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Wison, Jonathan. Method of applying elastic to thermoplastic sheeting. 2,884,643, 5-5-59, Cl. 2-158.

Wisor & Jerauld Mfg. Co.: See—  
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Wisor, Paul, III: See—  
Disson, Stanley B., and Wisor.: 2,915,702.

Martin, Joseph M., Norwood, and Wisor.: 2,903,502.

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Winter, Carl E.: Improved multiple speed gear transmission. 2,870,644, 1-27-59, Cl. 74-351.

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Winter, Charles L., and J. E. Euth, to Uarco, Inc. Line finder. 2,907,438, 10-6-59, Cl. 197-114.

Winter, Daniel F.: Hydraulic metal shear. 2,868,289, 1-13-59, Cl. 164-46.

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Winter, Erno, to Egyesult Izzolampa es Villamosagi Reszvenytarsasag. Supply cathode. 2,902,621, 9-1-59, Cl. 313-346.

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Winter, Frank J., Jr.: Merchandise display apparatus. 2,887,232, 5-19-59, Cl. 211-78.

Winter, Lester L., and T. Edstrom, to Union Carbide Corp. Thermosetting cement comprising a pitch, a furfuryl compound, carbonaceous particles and acid catalyst. 2,884,391, 4-28-59, Cl. 260-28.5.

Winter, Louis, to Mabs, Inc. Collar construction for shirts. 2,905,945, 9-29-59, Cl. 2-132.

Winter, Marvin, to The Pelton & Crane Co. Power-operated dental aspirator. Re. 24,755, 12-15-59, Cl. 32-33.

Winter, Paul H., to Pass & Seymour, Inc. Waterproof wall plate with hinged lids. 2,870,933, 1-27-59, Cl. 220-24.3.

Winter, Paul H., to Pass & Seymour, Inc. Receptacle grounding device. 2,872,503, 2-3-59, Cl. 174-51.

Winter, Paul H., and M. N. Russell, to Pass & Seymour, Inc. Tool trigger switch. 2,881,292, 4-7-59, Cl. 200-157.

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Winter, Paul H., to Pass & Seymour, Inc. Alternating current switch. 2,903,531, 9-8-59, Cl. 200-67.

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Winterbottom, Robert, H. Mendelsohn, S. A. Muller, and J. R. D. McCormick, to American Cyanamid Co. Purification of chlorotetracycline. 2,899,422, 8-11-59, Cl. 260-207.

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Wintermute, Harry A., to Research Corp. Production of oxidizing liquids. 2,867,573, 1-6-59, Cl. 204-164.

Wintermute, Harry A., to Research Corp. Electrical precipitator. 2,895,563, 7-21-59, Cl. 183-7.

Wintermute, Harry A., to Research Corp. Voltage control system for electrostatic precipitators. 2,896,741, 7-28-59, Cl. 183-7.

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Wintermute, Harry A., to Research Corp. Apparatus for collecting magnetic susceptible material. 2,904,178, 9-15-59, Cl. 209-216.

Wintermute, Harry A., to Research Corp. Gas and liquid contact apparatus. 2,907,707, 10-6-59, Cl. 204-312.

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Winters, Alva B., and D. K. Holst, to Kever Electric Mfg. Light pole construction. 2,869,690, 1-20-59, Cl. 189-28.

Winters, Berl C., to Sperry Rand Corp. Indicator mechanisms. 2,888,832, 6-2-59, Cl. 74-424.8.

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Eley, Myrie C., and Winters.: 2,911,033.

Thorpe, Robert J., and Winters.: 2,870,826.

Winters, Donald F., and H. A. Smith, to Westinghouse Electric Corp. Control apparatus. 2,875,734, 3-3-59, Cl. 121-41.

Winters, Everett: See—  
Taylor, Floyd B.: 2,888,287.

Winters, John B., and L. R. Westbrook, to Incar, Inc. Nickel plating compositions and method. 2,893,933, 7-7-59, Cl. 204-49.

Winters, Kauno W., and G. E. Oja. Log handling arm attachment for trucks. 2,869,741, 1-20-59, Cl. 214-92.

Winters Mfg. Co.: See—  
Wilson, William D.: 2,896,526.

Winters, Mel E.: See—  
Herrick, Wallace, and Winters.: 2,889,089.

Winters, Paul N., to General Motors Corp. Stabilized inverter stage. 2,914,623, 11-24-59, Cl. 179-171.

Winters, Thomas F.: Machine for assembling bed springs. 2,888,959, 6-2-59, Cl. 140-3.

Winterstein, Hans-Ludwig: See—  
Emter, Dietrich, and Winterstein.: 2,874,429.

Winther, Anthony, to Eaton Mfg. Co. Magnetic clutch. Re. 24,608, 2-24-59, Cl. 192-21.5.

Winther, Howard, to The Symington-Gould Corp. Draft rigging. 2,876,911, 3-10-59, Cl. 213-66.

Winther, Martin P., to Eaton Mfg. Co. Seal for relatively rotatable parts. 2,874,982, 2-24-59, Cl. 286-10.

Winther, Martin P., to Eaton Mfg. Co. Four speed planetary transmission. 2,892,365, 6-30-59, Cl. 74-759.

Winther, Martin P., to Eaton Mfg. Co. Clutch pulsator mechanism. 2,900,847, 8-25-59, Cl. 74-752.

Winther, Martin P., to Eaton Mfg. Co. Centrifugally-actuated magnetic particle clutch or brake. 2,905,293, 9-22-59, Cl. 192-21.5.

Winther, Robert O., to King-Seeley Corp. Electric space heater. 2,883,512, 4-21-59, Cl. 219-39.

Winther, Simon P.: Cleat. 2,870,733, 1-27-59, Cl. 114-218.

Winther, Simon P., 40% to L. Krueger. Electric shaver with oscillating blade. 2,917,825, 12-22-59, Cl. 30-43.



- Winthrop-Atkins Co., Inc.: See—  
Nichols, Gordon E. 2,880,948.  
Nichols, Gordon E. 2,902,753.  
Winthrop, Stanley O.: See—  
Grant, Gordon A., von Seemann, and Winthrop. 2,876,224.  
Winthrop, Stanley O., to American Home Products Corp. S-substituted-N-benzhydryl pseudothioureas and their pseudothiourenium salts. 2,894,029, 7-7-59, Cl. 260—564.  
Winthrop, Stanley O., to American Home Products Corp. N-benzhydryl-S-( $\alpha$ -dilower alkylaminoalkyl) pseudothioureas and their pseudothiourenium salts. 2,894,030, 7-7-59, Cl. 260—564.  
Winthrop, Stanley O., to American Home Products Corp. S-substituted-N-benzhydryl pseudothioureas and their pseudothiourenium salts. 2,910,505, 10-27-59, Cl. 260—564.  
Winthrop, Stanley O. and M. A. Davis, to American Home Products Corp. Sulfonium compounds. 2,914,527, 11-24-59, Cl. 260—243.  
Wintle, Harry D., Jr.: See—  
Kollmorgen, Ernst O., and Wintle. 2,909,838.  
Wintriss, George, to Wintriss Inc. Whistle with integral attaching means. 2,867,942, 1-13-59, Cl. 46—175.  
Wintriss Inc.: See—  
Wintriss, George. 2,867,942.  
Wintrade, Warner C.: See—  
Kunz, William J., Jr., and Wintrade. 2,880,581.  
Wintzer, Rudolph C., to The Babcock & Wilcox Co. Heating system. 2,912,167, 11-10-59, Cl. 237—58.  
Wingall, Milton E., to W. R. Grace & Co. Process for preparing a silica-alumina gel catalyst and a hydrocarbon cracking process using said catalyst. 2,886,512, 5-12-59, Cl. 208—120.  
Winz, Karl: See—  
Brann, Oskar, Dobner, and Winz. 2,910,028.  
Winz, Karl, to G. M. Pfaff A.-G. Sewing machines. 2,868,149, 1-13-59, Cl. 112—125.  
Winz, Karl, to G. M. Pfaff A.-G. Thread controlled automatic stop device for sewing machines. 2,868,151, 1-13-59, Cl. 112—219.  
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Winz, Karl, to G. M. Pfaff, Akt. Sewing machines. 2,878,764, 3-24-59, Cl. 112—219.  
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Winz, Karl, to G. M. Pfaff, A.G. Electromagnetic clutch for sewing machines and the like. 2,883,018, 4-21-59, Cl. 192—12.  
Winz, Karl, to G. M. Pfaff A.G. Thread-controlled contact device for power driven sewing machines. 2,895,440, 7-21-59, Cl. 112—219.  
Winz, Karl, to G. M. Pfaff, A.-G. Time delayed switching device for sewing and the like machines. 2,906,221, 9-29-59, Cl. 112—219.  
Winz, Karl, to G. M. Pfaff A.G. Material-controlled contact device for power driven sewing machines. 2,910,027, 10-27-59, Cl. 112—219.  
Winzen, Otto C.: See—  
Suomi, Verner E., and Winzen. 2,919,083.  
Winzen, Otto C., V. E. Baumgartner, and J. T. Beck: said Winzen and said Baumgartner assigns, to Winzen Research, Inc. Electromagnetically controlled ballast dispensing means. 2,900,149, 8-18-59, Cl. 244—94.  
Winzen, Otto C. and V. H., to Winzen Research, Inc. Ballon having reinforcing structure. 2,919,082, 12-29-59, Cl. 244—31.  
Winzen Research, Inc.: See—  
Suomi, Verner E., and Winzen. 2,919,083.  
Winzen, Otto C., Baumgartner, and Beck. 2,900,149.  
Winzen, Otto C. and V. H. 2,919,082.  
Winzen, Vera H.: See—  
Winzen, Otto C. and V. H. 2,919,082.  
Wipac Development Ltd.: See—  
Gayler, George A. 2,892,109.  
Wire Belt Co. of America: See—  
Greer, Fred W. 2,906,395.  
Wire-O-Corp.: See—  
Brook, Arthur F. 2,879,775.  
Wire-Text Corp.: See—  
Beckner, Marshall H. 2,897,978.  
Wirkkala, Albert R. Mechanical means for extending the operating radius of a log loading boom. 2,878,946, 3-24-59, Cl. 212—7.  
Wirkkala, Albert R. Grapple for handling logs or the like. 2,916,322, 12-8-59, Cl. 294—112.  
Wirsching, Robert E., to Bell Telephone Laboratories, Inc. Locking push button mechanism. 2,873,334, 2-10-59, Cl. 200—169.  
Wirsching, Robert E., to Bell Telephone Laboratories, Inc. Solderless connector. 2,908,884, 10-13-59, Cl. 339—99.  
Wirsing, Erwin. Fastening device for fastening railroad rails or the like. 2,890,833, 6-16-59, Cl. 238—349.  
Wirt, Harrison L., to General Electric Co. Air-directing vane structure for fluid fuel combustor. 2,916,878, 12-15-59, Cl. 60—39.65.  
Wirt, John R., to General Motors Corp. Laminated article and method of manufacture. 2,878,552, 3-24-59, Cl. 29—180.  
Wirtz, Elmer R., to Fairchild Engine and Airplane Corp. Resistance welding. 2,902,589, 9-1-59, Cl. 219—107.  
Wirtel, Arthur F., and C. M. Blair, Jr., to Petrolite Corp. Process for inhibiting corrosion in oil and gas wells. 2,888,399, 5-26-59, Cl. 252—8.55.  
Wirth, Edward C., W. B. Pierce, and A. R. Vogel, to Northrop Aircraft, Inc. Variable authority servo. 2,871,830, 2-3-59, Cl. 12—41.  
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Wirth, Leo J., to The Martin Co. Expansion-permitting hanger. 2,918,239, 12-22-59, Cl. 248—55.  
Wirth, Pierre, to F. E. Jonas. Therapeutic mellitic acid compositions. 2,906,666, 9-29-59, Cl. 167—65.  
Wirth, Raymond E., to Rilco Laminated Products. Scarfing machine. 2,894,545, 7-14-59, Cl. 144—125.  
Wirth, Thomas, K.-H. Nebhuth, and K. Wenger. Oscillating centrifuge. 2,872,045, 2-3-59, Cl. 210—370.  
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Wirtz, Robert W., Ratcliff, and Turner. 2,898,827.  
Wirtz, Robert W., Ratcliff, and Turner. 2,898,828.  
Wirtz, Robert W., Ratcliff, and Turner. 2,898,829.  
Wirtz, Robert W., Ratcliff, and Turner. 2,898,830.  
Wirtz, Robert W., H. B. Ratcliff, and J. S. Turner, Jr., to Wirtz Co. Proportional spacing and justifying mechanism. 2,898,827, 8-11-59, Cl. 95—4.5.  
Wirtz, Robert W., H. B. Ratcliff, and J. S. Turner, Jr., to Wirtz Co. Mechanical indexing apparatus for photocomposing machine. 2,898,828, 8-11-59, Cl. 95—4.5.  
Wirtz, Robert W., H. B. Ratcliff, and J. S. Turner, Jr., to Wirtz Co. Electrical indexing apparatus for photocomposing machine. 2,898,829, 8-11-59, Cl. 95—4.5.  
Wirtz, Robert W., H. B. Ratcliff, and J. S. Turner, Jr., to Wirtz Co. Photocomposing apparatus. 2,898,830, 8-11-59, Cl. 95—4.5.  
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Darlington, Henry S., Jr. 2,899,705.  
Wisby, Warren J.: See—  
Hasler, Arthur D., and Wisby. 2,880,133.  
Wischmeyer, Carl R., to Jersey Production Research Co. Electronic gate circuit. 2,868,971, 1-13-59, Cl. 250—27.  
Wisconsin Alumni Research Foundation: See—  
Asplin, James G. 2,903,198.  
Cusida, John E., and Arthur. 2,911,435.  
Herb, Raymond G. 2,888,189.  
Herb, Raymond G. 2,894,679.  
Herb, Raymond G. 2,913,167.  
Johnson, William S. 2,891,995.  
Potter, Van R. 2,878,887.  
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Wisconsin Laboratories, Inc.: See—  
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Wisdom, Lacy: See—  
Wisdom, Pollard V. 2,890,044.  
Wisdom, Pollard V., 1/4 each to L. Wisdom, N. K. Savage, and T. Lancer. Sheet folding and pleating machine. 2,890,044, 8-9-59, Cl. 270—79.  
Wise, Charles W. Invalid's bed. 2,913,738, 11-24-59, Cl. 5—67.  
Wise, Clarence L. Mixing device. 2,905,453, 9-22-59, Cl. 259—134.  
Wise, David S.: See—  
Weiss, Walter A., and Wise. 2,903,644.  
Wise, George. Attachments to cabinets. 2,911,275, 11-3-59, Cl. 312—242.  
Wise, Harold F.: See—  
Daul, George C., Wise, and Wharton. 2,902,391.  
Ratcliffe, Charles B., and Wise. 2,888,369.  
Wise, Harry L., and R. R. Braun. Compensator device. 2,890,708, 6-16-59, Cl. 137—87.  
Wise, Homer L. Dash board picture frame. 2,887,804, 5-26-59, Cl. 40—152.1.  
Wise, Joseph L. Vertically arranged threshing cylinder assembly for combines. 2,905,182, 9-22-59, Cl. 130—27.  
Wise, Lester V., A. Mann, and G. Buegel, to Bulova Research and Development Laboratories, Inc. Automatic crystal measuring and sorting apparatus. 2,895,612, 7-21-59, Cl. 209—111.  
Wise, Paul H. Arithmetic tutoring device. 2,899,756, 8-18-59, Cl. 35—31.  
Wise Potato Chip Co.: See—  
Xander, Paul A., and Hoover. 2,879,264.  
Wise, Raleigh J.: See—  
Hackenberg, John H., and Wise. 2,878,095.  
Ridings, Garvice H., Wise, and Jelinek. 2,894,063.  
Wise, Raleigh J., to The Western Union Telegraph Co. Photoconductive facsimile transmitting apparatus. 2,884,486, 4-28-59, Cl. 178—7.1.

- Wise, Raleigh J., and D. M. Zabriskie, to The Western Union Telegraph Co. Facsimile apparatus for use in producing tickets, messages and the like. 2,872,275, 2-3-59, Cl. 346—74.  
Wise, Raleigh J., J. H. Hackenberg, and G. H. Ridings, to The Western Union Telegraph Co. Facsimile optical scanning system. 2,894,065, 7-7-59, Cl. 178—7.1.  
Wise, Ralph H., to The Anderson Co. Window regulator mechanism. 2,872,184, 2-3-59, Cl. 268—124.  
Wise, Ralph H., to The Anderson Co. Actuator for compound motion vehicular windows. 2,907,564, 10-6-59, Cl. 268—124.  
Wise, Ralph H., to The Anderson Co. Bearing structure. 2,907,610, 10-6-59, Cl. 308—6.  
Wise, Ralph H., to The Anderson Co. Window lift assembly. 2,913,920, 11-24-59, Cl. 74—424.8.  
Wise, Ralph H., to The Anderson Co. Window lift assembly. 2,914,315, 11-24-59, Cl. 268—124.  
Wise, Robert H., to Standard Oil Co. Purification of alcohols and production of esters in the presence of borohydrides. 2,867,651, 1-6-59, Cl. 260—475.  
Wiseley, William E.: See—  
Frazier, William D., and Wiseley. 2,915,678.  
Wiseman, Alex D. Variable pitch V-pulley. 2,900,833, 8-25-59, Cl. 74—230.17.  
Wiseman, Arthur W., to The Sheffield Corp. Electric cabinet. 2,885,600, 5-5-59, Cl. 317—99.  
Wiseman, George, to Ciba Co., Inc. Dyeing process. 2,872,279, 2-3-59, Cl. 8—55.  
Wiseman, Joseph. Combined table and chair assembly for children. 2,910,113, 10-27-59, Cl. 155—123.  
Wiseman, Robert M., and J. Troeger. Combined paint and calking compound applicator. 2,913,151, 11-17-59, Cl. 222—325.  
Wiseman, Russell M., to Diamond Alkali Co. Coupling means for screw conveyor. 2,899,042, 8-11-59, Cl. 198—213.  
Wiseman, Thomas A. Disk attachment for a plow. 2,880,813, 4-7-59, Cl. 172—583.  
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Moore, Thomas W., and Wiseman. 2,872,605.  
Wiseman, William, to Continental Motors Corp. Anti-backlash device. 2,896,466, 7-28-59, Cl. 74—440.  
Wisenhaker, Lorenzer D. V. Key-seat reamer. 2,904,313, 9-15-59, Cl. 255—73.  
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Selberling, Dale A., and Wish. 2,895,688.  
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Wisnar, Franklin O., to Bendix Aviation Corp. Hydro-pneumatic energy storage device. 2,880,759, 4-7-59, Cl. 138—30.  
Wisner, Eli F., Jr. Pipe pick and tamper. 2,894,515, 7-14-59, Cl. 131—243.  
Wisner, Isle R., W. S. Corbin, and H. Walden, to The Black-Clawson Co. Fourdrinier paper making machine. 2,870,691, 1-27-59, Cl. 92—44.  
Wisner, Isle R., W. S. Corbin, and H. Walden, to The Black-Clawson Co. Fourdrinier paper making machine. 2,870,692, 1-27-59, Cl. 92—44.  
Wisniewski, Julian: See—  
Zajac, Michael, and Wisniewski. 2,905,015.  
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Huff, Joseph F., and Wisotsky. 2,882,503.  
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Wissmann, Joseph T., to Warner Bros. Pictures, Inc. Magnetic record control method and circuits. 2,876,294, 3-3-59, Cl. 179—100.2.  
Wistoft, Soren. Weighing scales. 2,896,934, 7-28-59, Cl. 265—62.  
Wistrich, Harry A., and R. B. Olney, to Shell Development Co. Fluid mixer with rotating baffles. 2,893,846, 7-7-59, Cl. 23—270.5.  
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Wiswall, Richard W.: See—  
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Withall, William E., to W. H. Miner, Inc. Draft gears for railway draft rigging. 2,914,196, 11-24-59, Cl. 213—45.  
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Witt, Kenneth F., to Goodspeed Machine Co. Lubricating device. 2,902,064, 9-1-59, Cl. 142—48.  
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Wittell, Otto, to Eastman Kodak Co. Film pitch compensating mechanism for photographic apparatus. 2,895,375, 7-21-59, Cl. 88—17.  
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Ploegert, Anatol T. 2,880,927.  
Witten, Arthur L., Jr., J. F. Marlon, and R. E. Henning, to Sperry Rand Corp. Radar system evaluator. 2,876,447, 3-3-59, Cl. 343—17.7.  
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Witten, Leslie B., and E. C. Housam, to The British Petroleum Co. Ltd. Desulfurization with fluorine-containing catalyst and regeneration of catalyst. 2,910,432, 10-27-59, Cl. 208—216.  
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Wittenberg, Kenneth J. Collar attachments. 2,867,815, 1-13-59, Cl. 2—132.  
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Armstrong, John D., Flynn, and Wittenberger. 2,883,033.  
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Witter, Melvin L., 10% to W. R. Struble, and 12 1/2% each to T. B. Akins and M. R. Saunders. Fluid pressure operated air injector. 2,884,000, 4-28-59, Cl. 137—209.  
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Pommer, Horst, and Wittig. 2,917,524.  
Wittke, Ernest C., to Combustion Engineering, Inc. Apparatus for burning fuel. 2,873,099, 2-10-59, Cl. 158—73.  
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Wittlake, Karl H., to Orenda Engines Ltd. Variable-resistance device. 2,902,662, 9-1-59, Cl. 338—51.



- Wittler, Fritz, to Zimmermann and Jansen G.m.b.H. Valve arrangement for regeneratively heated furnace. 2,910,284, 10-27-59, Cl. 263-15.
- Wittmann, Georg: See—  
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- Wittmann, Richard B.: See—  
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- Wittmoser, Adalbert, to Firma Eisenwerke Gelsenkirchen Akt. Continuous casting apparatus. 2,895,188, 7-21-59, Cl. 22-57.2.
- Wittnebert, Frederick R., to Dupli-Color Products Co., Inc. Fountain brush with orifice guided brush retractor and closure cap. 2,875,462, 3-3-59, Cl. 15-139.
- Wittren, Richard A.: See—  
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- Wittren, Richard A., to Deere & Co. Selective brake system. 2,894,608, 7-14-59, Cl. 188-152.
- Wittren, Richard A., to Deere & Co. Selector means. 2,917,941, 12-22-59, Cl. 74-473.
- Wittren, Richard A., to Deere & Co. Hydraulic system, especially for steering. 2,918,135, 12-22-59, Cl. 180-79.2.
- Witrock, Harold R. Combination printing and die scoring and cutting presses for paper box blanks and the like. 2,892,390, 6-30-59, Cl. 93-58.
- Wittry, David B., to California Institute Research Foundation. Electron probe microanalyzer. 2,916,621, 12-8-59, Cl. 250-49.5.
- Wittwer, Bernard W., to International Business Machines Corp. Clutch and pawl control for carriage return mechanisms. 2,872,013, 2-3-59, Cl. 197-66.
- Wittwer, Norman C., Jr., to Bell Telephone Laboratories, Inc. Electrode support and spacing structure for electron discharge devices. 2,886,734, 5-12-59, Cl. 313-270.
- Witty, Ralph P. D., and J. A. Drum, to Canada Packers Ltd. Stabilized vasoconstrictor-enzyme preparation. 2,887,435, 5-10-59, Cl. 167-58.
- Witz, Henry W., to Nursmatic Corp. Nursing bottle nipple with control valve. 2,876,772, 3-10-59, Cl. 128-252.
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- Witzky, Julius E. Stratified spark ignition internal combustion engine. 2,882,873, 4-21-59, Cl. 123-32.
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- Woebecke, Herman N., to Hydrocarbon Research, Inc. Gasification process. 2,868,631, 1-13-59, Cl. 48-206.
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- Wohler, Viktor, to Ciba Ltd. Controlling means for rotary machines. 2,899,131, 8-11-59, Cl. 233-1.
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- Wolf, Alfred, to Geophysical Research Corp. Seismic reflection prospecting technique. 2,872,095, 2-10-59, Cl. 181-5.

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- Wolniak, Stanley C., to The Illinois Lock Co. Lock. 2,883,848, 4-28-59, Cl. 70-367.
- Wolock, Sydney: See—  
Kushynski, Leon, and Wolock. 2,914,105.
- Wolpin, Martin P.: See—  
Baltus, George T., Wolpin, Smith, and Lachek. 2,897,792.
- Wolshin, Louis, 50% to S. Axelrod. Swimming and diving aid. 2,906,263, 9-29-59, Cl. 128-142.
- Wolske, Lawrence E., to Whirlpool Corp. Rotisserie with automatic basting mechanism. 2,885,951, 5-12-59, Cl. 90-346.
- Wolsky, Sumner P., to Raytheon Mfg. Co. Ohmic semiconductor contact. 2,879,457, 3-24-59, Cl. 317-235.
- Wolston, Clinton M., Jr., and G. W. Jack, to The American Oil Co. Laboratory distillation testing apparatus. 2,894,881, 7-14-59, Cl. 202-172.
- Wolter, Harry A., and G. L. Vaughan, to Diamond Gardner Corp. Spring clothespin packaging. 2,902,750, 9-8-59, Cl. 29-211.
- Wolter, Herbert R.: See—  
De Faymoreau, Etienne, Singer, and Wolter. 2,912,688.
- Wolverine Equipment Co.: See—  
Dapies, William P. 2,874,484.
- Wolverine Porcelain Enameling Co.: See—  
Saunders, Seymour G., and Holcomb. 2,911,076.
- Wolverton, Marcine P., to United Mfg. Co. Ball retarding device. 2,879,064, 3-24-59, Cl. 273-47.
- Womack, Jack M.: See—  
Hsu, John P. T., and Womack. 2,875,922.
- Womack, Sherman E.: See—  
Lawhorn, Roger W., Woodcock, and Womack. 2,893,252.
- Womble, Sherman C., Jr. Follower latch for cartridge magazines. 2,885,811, 5-12-59, Cl. 42-50.
- Womersley, John R., and R. Townsend, to International Computers and Tabulators Ltd. Electronic adding devices. 2,898,042, 8-4-59, Cl. 237-170.
- Wonnack, Sidney J., H. A. Kahn, and J. F. Keating, to Olin Mathieson Chemical Corp. Method and apparatus for roll coating webs. 2,918,393, 12-22-59, Cl. 117-111.
- Wonder Products Co.: See—  
Thoenning, George R. 2,888,775.
- Thoenning, George R. 2,891,792.
- Wondisford, Floyd E., to Youngstown Mfg. Inc. Vinyl insert-type threshold plate. 2,877,518, 3-17-59, Cl. 20-64.
- Wondra, Raymond O., to Western Electric Co. Inc. Machine for assembling screw eyes and porcelain insulators. 2,884,689, 5-5-59, Cl. 29-203.
- Wondrack, Edward R. Camping pack. 2,896,754, 7-28-59, Cl. 190-47.
- Wong, Lan J. Evacuation valve cup. 2,916,059, 12-8-59, Cl. 141-65.
- Wong, Lem: See—  
Sensiper, Samuel, and Wong. 2,911,555.
- Woo, Way D., to Raytheon Co. Pulse shaping circuits. 2,909,659, 10-20-59, Cl. 250-27.
- Woo, Wenfoo G., to Raytheon Mfg. Co. Electron discharge devices. 2,875,377, 2-24-59, Cl. 315-52.
- Woo, Wenfoo G., to Raytheon Co. Grid support wedges. 2,910,608, 10-27-59, Cl. 313-260.
- Wood Brothers Mfg. Co.: See—  
Wood, Leonard W. 2,889,677.
- Wood, Mervel E. 2,872,831.
- Wood, Byron A. Method of and means for steam treating and vibrating garments. 2,911,729, 11-10-59, Cl. 34-37.
- Wood, Charles J., to Superior Rubber Mfg. Co. Link mat structure. 2,885,748, 5-12-59, Cl. 20-78.3.
- Wood, Charles J., to Superior Rubber Mfg. Co. Splash attachment. 2,910,098, 10-27-59, Cl. 141-285.
- Wood, Charles W., and C. W. Bondurant, to Standard Thompson Corp. Calibration apparatus. 2,889,700, 6-9-59, Cl. 73-1.
- Wood, Charles W., and C. W. Bondurant, to Standard-Thompson Corp. Thermostatic valve with safety lock. 2,891,730, 6-23-59, Cl. 236-34.
- Wood, Claude O., to Goodman Mfg. Co. Ground protection device. 2,881,361, 4-7-59, Cl. 317-18.
- Wood Conversion Co.: See—  
Dahle, Donald E. 2,902,091.
- Videen, Otis R., and Bergstrom. 2,912,350.
- Videen, Otis R., and Johnson. 2,912,349.
- Wood, David D.: See—  
Wood, George B. 2,888,158.
- Wood, Donald, to Hill Cross Co. Inc. Reticular structure. 2,869,693, 1-20-59, Cl. 189-34.
- Wood, Donald W.: See—  
Aldridge, Clyde L., Catterall, and Wood. 2,906,794.
- Aldridge, Clyde L., and Wood. 2,889,385.
- Hunt, John C., Maisei, and Wood. 2,906,787.
- Wood, Edward L., to Gar Wood Industries, Inc. Tire trim. 2,901,292, 8-25-59, Cl. 301-37.
- Wood, Edward L., to Gar Wood Industries, Inc. Tire trim-wheel trim structure. 2,900,390, 10-20-59, Cl. 301-37.

- Wood, Edward L., to Gar Wood Industries, Inc. Tire trim. 2,918,329, 12-22-59, Cl. 301-37.
- Wood, Elwood S., Jr. Illuminated surgical and dental instruments. 2,885,537, 5-5-59, Cl. 240-646.
- Wood, Elwood S., Jr. Convertible baby crib and playpen. 2,901,755, 9-1-59, Cl. 5-99.
- Wood, Elwood S., Jr. Convertible bassinet and child's vehicle. 2,902,286, 9-1-59, Cl. 280-31.
- Wood, Fenton M.: See—  
Price, Berry G., Unger, and Wood. 2,878,446.
- Price, Berry G., Unger, and Wood. 2,878,447.
- Price, Berry G., Wood, and Unger. 2,881,386.
- Price, Berry G., Wood, and Unger. 2,882,488.
- Price, Berry G., Wood, and Unger. 2,903,085.
- Price, Berry G., Wood, and Unger. 2,909,393.
- Wood, Fenton M., to Tuboscope Co. Pipe inspection. 2,881,387, 4-7-59, Cl. 324-37.
- Wood, Floyd W., to United States of America, Interior. Electrode for melting and arc welding zirconium metal. 2,892,924, 6-30-59, Cl. 219-118.
- Wood, Frank A., to Zenith Radio Corp. High frequency transformer assembly. 2,892,955, 6-30-59, Cl. 333-78.
- Wood, Frederic E.: See—  
Glenger, Fred, and Wood. 2,890,316.
- Henrikson, Oscar W., and Wood. 2,907,836.
- Wood, Frederick. Self mastering device for precision setting of tool bits. 2,891,317, 6-23-59, Cl. 33-185.
- Wood, Frederick B.: See—  
Quade, Edward A., and Wood. 2,899,657.
- Wood, Frederick C., to Union Oil Co. of California. Hydrocarbon conversion process including removal of elemental sulfur by water washing. 2,891,905, 6-23-59, Cl. 208-136.
- Wood, Frederick C., to Union Oil Co. of California. Process for the simultaneous desulfurization and conversion of hydrocarbons. 2,891,906, 6-23-59, Cl. 208-136.
- Wood, Fredric E., to General Telephone Laboratories, Inc. Sensitive relay. 2,896,048, 7-21-59, Cl. 200-104.
- Wood, Gar, Industries: See—  
Bailey, William R. 2,870,793.
- Wood, Gar, Industries, Inc.: See—  
Gwinn, Joseph M., Jr. 2,879,906.
- Mulhern, William A. 2,899,240.
- Schultz, Thomas W., and Crabiel. 2,879,612.
- Spisak, Edward G. 2,910,323.
- Wood, Edward L. 2,901,292.
- Wood, Edward L. 2,909,390.
- Wood, Edward L. 2,918,329.
- Wreford, John S., and Harris. 2,906,807.
- Wood, George: See—  
Forsyth, George H., Wood, and Stevens. 2,895,512.
- Wood, George, to Vickers-Armstrongs Ltd. Regulating means for boiler feed pumps. 2,870,775, 1-27-59, Cl. 137-98.
- Wood, George. Hydraulic lash adjusters. 2,887,996, 6-26-59, Cl. 123-90.
- Wood, George B., to D. D. Wood. Refuse vehicle loading devices. 2,888,158, 5-26-59, Cl. 214-308.
- Wood, George H., Jr., C. E. Neale, and R. E. Hawes, to The Apponaug Co. Method of printing on web material. 2,878,096, 3-17-59, Cl. 8-62.
- Wood, George R., Sr. Compass visualizer. 2,904,885, 9-22-59, Cl. 33-1.
- Wood, George W., to Westinghouse Electric Corp. Air conditioning apparatus. 2,905,454, 9-22-59, Cl. 261-30.
- Wood, Herbert H., to Thomas Walker, Ltd. Means for attaching prong-carrying fasteners to a garment. 2,916,740, 12-15-59, Cl. 1-4.
- Wood, Hugh, and Co. Ltd.: See—  
Walton, John T. 2,915,328.
- Wood, James L., to Manufacturers and Marketers, Inc. Evaporative cooler. 2,910,279, 10-27-59, Cl. 261-24.
- Wood, James M., Jr., to Ethyl Corp. Production of sodium. 2,876,181, 3-3-59, Cl. 204-68.
- Wood, James Q.: See—  
Pennington, Edward N., Pollock, Wood, Andrews, and Boyer. 2,883,271.
- Wood, James Q., to Phillips Petroleum Co. Carbon black plant emergency shutdown system. 2,886,567, 5-12-59, Cl. 23-259.5.
- Wood, James Q., to Phillips Petroleum Co. Process and apparatus for carbon black handling and pelleting. 2,917,374, 12-15-59, Cl. 23-314.
- Wood, James Q., and L. W. Pollock, to Phillips Petroleum Co. Process for producing carbon black. 2,867,508, 1-6-59, Cl. 23-209.4.
- Wood, James Q., and A. J. Andrews, to Phillips Petroleum Co. Controlling feedstock temperature in combustion process. 2,895,805, 7-21-59, Cl. 23-209.6.
- Wood, John A.: See—  
Chapman, Edward P., Jr., and Wood. 2,904,424.
- Wood, John G., S. B. Hainsworth, and B. Tebb, to Mastabar Mining Equipment Co. Ltd. Slip coupling for belt fastening machines. 2,870,886, 1-27-59, Cl. 192-3.5.
- Wood, Joseph D.: See—  
Caswell, Arthur S., and Wood. 2,905,793.
- Wood, Joseph D., to I-T-E Circuit Breaker Co. Solenoid interrupter. 2,868,927, 1-13-59, Cl. 200-144.
- Wood, Joseph D., to I-T-E Circuit Breaker Co. Recirculating gas blast interrupter. 2,911,507, 11-3-59, Cl. 200-148.
- Wood, Joseph D., to I-T-E Circuit Breaker Co. Multiple break air magnetic breaker. 2,916,588, 12-8-59, Cl. 200-145.
- Wood, Joseph D., and G. E. Heberlein, to I-T-E Circuit Breaker Co. Fused drawout switchgear. 2,885,501, 5-5-59, Cl. 200-50.
- Wood, Joseph E., deceased, by F. M. Owens, administratrix, to R. C. Owens. Ironing boards. 2,885,803, 5-12-59, Cl. 38-117.
- Wood, Joseph F., and C. H. Hopkins, to Skelly Oil Co. Liquid fuel composition. 2,878,109, 3-17-59, Cl. 44-58.
- Wood, Joseph K., to General Spring Corp. Spring support. 2,896,888, 7-28-59, Cl. 248-34.
- Wood, Judson A.: See—  
Nicolaisen, Bernard H., and Wood. 2,911,446.
- Wood, Leonard W., to Wood Brothers Mfg. Co. Cutter assembly. 2,889,677, 6-9-59, Cl. 56-295.
- Wood, Loren E.: See—  
Leusler, Wayne E., Wood, and Teal. 2,868,313.
- Leusler, Wayne E., Wood, and Teal. 2,868,314.
- Wood, Louvan E.: See—  
Kjellman, Thomas K., and Wood. 2,897,304.
- Wood, Mervel E., to Wood Brothers Mfg. Co. Belt drive for multiple spindle tractor attachments. 2,872,831, 2-10-59, Cl. 74-665.
- Wood, Robert I. Denture impression tray. 2,891,311, 6-23-59, Cl. 32-17.
- Wood, Robert J., to Woodmack Products, Inc. Post support. 2,909,816, 10-27-59, Cl. 20-98.
- Wood, Robert S.: See—  
Booth, Douglas G., and Wood. 2,874,764.
- Wood, Robert T., to Aluminum Co. of America. Hollow cores for making castings. 2,907,084, 10-6-59, Cl. 22-165.
- Wood, Ronald M. Dispensing device. 2,877,812, 3-17-59, Cl. 141-113.
- Wood, Samuel R. Internal combustion engine starter. 2,897,677, 8-4-59, Cl. 74-8.
- Wood, Shovel and Tool Co. The: See—  
Olver, Charles L. 2,901,261.
- Wood, Sidney E., to Jahlili Co. Looper attachment and method. 2,868,147, 1-13-59, Cl. 112-25.
- Wood, Thomas F.: See—  
Carpenter, Marion S., Easter, and Wood. 2,897,237.
- Carpenter, Marion S., Easter, and Wood. 2,915,561.
- Wood, Thomas F., to The Givaudan Corp. Perfume oils containing 3-methyl-1-nonyl-3-ol. 2,918,412, 12-22-59, Cl. 167-94.
- Wood, Walter H. Freeze-proof fountain with cooling unit. 2,888,812, 6-2-59, Cl. 62-263.
- Wood, Wayne L. Fluid line coupling device. 2,868,563, 1-13-59, Cl. 28-1.
- Wood, William M.: See—  
West, Kenneth R., and Wood. 2,891,809.
- Wood, William S.: See—  
Holmes, William R., Le Feuvre, Lait, and Wood. 2,914,382.
- Wood, William S., to United States of America, Army. Phase shift compensating network. 2,919,410, 12-29-59, Cl. 330-117.
- Wood, William W., to Link Aviation, Inc. Interferometric micrometer. 2,880,514, 4-7-59, Cl. 33-164.
- Wood, Winchester R., to General Electric Co. Generator automatic field forcing circuit. 2,879,465, 3-24-59, Cl. 322-27.
- Woodall Industries, Inc.: See—  
Greig, James W. 2,901,036.
- Stahl, Lloyd E. 2,879,105.
- Stahl, Lloyd E. 2,894,298.
- Stahl, Lloyd E. 2,903,298.
- Woodall, William R., to The Firestone Tire & Rubber Co. Tire construction. 2,874,747, 2-24-59, Cl. 152-354.
- Woodard, George W., and C. L. Lunsford, to The Dow Chemical Co. Well cementing compositions and method of preparing the same. 2,880,102, 3-31-59, Cl. 106-90.
- Woodberry, Norman T., S. T. Moore, and Y. Jen, to American Cyanamid Co. Paper of high dry strength and low wet strength. 2,890,978, 6-16-59, Cl. 162-168.
- Woodbury, Frank A.: See—  
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- Woodbury, William W., L. T. Wheelock, and G. J. Toben, to International Business Machines Corp. Information storage system. 2,884,619, 4-28-59, Cl. 340-174.
- Woodcock, Charles A.: See—  
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- Woodcock, Edward C., to Williamson Mfg. Co. Ltd. Photographic shutters. 2,916,979, 12-15-59, Cl. 93-63.
- Woodcock, Francis H. Fluid cylinder surrounding a stationary barrel. 2,894,347, 7-14-59, Cl. 42-75.
- Woodcock, Francis H. Vane pumps. 2,918,877, 12-29-59, Cl. 103-136.
- Woodcock, John W., to T. I. (Group Services) Ltd. Packing containers. 2,868,407, 1-13-59, Cl. 220-7.
- Woodcock, Robert R., to J. W. Greer Co. Pallet loading apparatus. 2,875,908, 3-3-59, Cl. 214-6.
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- Woodhead, Frank. Means for controlling the main springs of a vehicle suspension. 2,896,939, 7-28-59, Cl. 267-16.



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Harbottle, John R. 2,901,093.

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Wooding, William M., to American Cyanamid Co. Treatment of keratinous material. 2,887,116, 5-19-59, Cl. 132-73.

Wooding, William M., to American Cyanamid Co. Pheral coating with nitrogen resin primer. 2,887,405, 5-19-59, Cl. 117-81.

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Wooding, William M., to American Cyanamid Co. Bonding of perhalogen polymers to metallic substrates. 2,918,387, 12-22-59, Cl. 117-49.

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Howell, Robert H., Jr., and Woodle. 2,884,384.

Woodle, Robert A., to Texaco Inc. Manufacture of alkylated aromatic hydrocarbons. 2,909,574, 10-20-59, Cl. 260-671.

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Singleton, Benoit M. 2,894,293.  
Singleton, Benoit M. 2,894,295.

Woodling, George V., Fluid conduit swivel adapter coupling assembly. 2,871,032, 1-27-59, Cl. 285-31.

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Wood-Mallock, James C., and F. Hughes, to Manchester Oil Refinery (Holdings) Ltd. Insulating oils. 2,868,730, 1-13-59, Cl. 252-63.7.

Woodman, Charles K.: See—  
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Woodruff, Almon C., and D. D.: said D. D. Woodruff assor. to said A. C. Woodruff. Storage shelf construction for vending machines. 2,913,141, 11-17-59, Cl. 221-104.

Woodruff, Alvin. Single sash gang sawmill. 2,875,795, 3-3-59, Cl. 143-60.

Woodruff, Charles E., to Television Mat Service Corp. Slide mount. 2,871,600, 2-3-59, Cl. 40-152.

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Woodruff, James E., Roll paper storage receptacle and dispensing holder. 2,896,871, 7-28-59, Cl. 242-55.3.

Woodruff, Walter M., Electrical switch. 2,903,527, 9-8-59, Cl. 200-6.

Woodrum, William W., to Assembly Products, Inc. Method of calibrating an electrical instrument. 2,890,412, 6-9-59, Cl. 324-74.

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Woods, Charles W., and A. R. Harmon, to Philco Corp. Tools. 2,891,661, 6-23-59, Cl. 203-125.

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Woods, James A., Floor cleaning and waxing device. 2,876,476, 3-10-59, Cl. 15-139.

Woods, James A., Temperature control valve. 2,884,198, 4-28-59, Cl. 236-34.

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Woods, John E., to Standard-Thomson Corp. Secondary refrigerant and apparatus for circulating the same. 2,901,892, 9-1-59, Cl. 62-86.

Woods, Joseph, and H. Schofield, to John Bright & Brothers Ltd. Machines for the manufacture of cords or the like. 2,897,647, 8-4-59, Cl. 57-60.

Woods, Joseph J., to Technicon International Ltd. Automatic immersion apparatus. 2,869,509, 1-20-59, Cl. 118-10.

Woods, Leroy R., to International Electronic Research Corp. Tube shield attachment. 2,899,670, 8-11-59, Cl. 339-143.

Woods, Leroy R., to International Electronic Research Corp. Shield for electronic components. 2,905,742, 9-22-59, Cl. 174-35.

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Woods, Stephen E., and L. J. Derham, to Metallurgical Processes Ltd., and The National Smelting Co. Ltd. Transfer of zinc vapour from a furnace to condenser. 2,912,322, 11-10-59, Cl. 75-88.

Wood's, T. R. Sons Co.: See—  
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Williams, William A. 2,867,102.  
Williams, William A. 2,867,103.  
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Woods-Hill, William, to The British Tabulating Machine Co. Ltd. Electronic adder apparatus with sum radix correction means. 2,890,830, 6-16-59, Cl. 235-169.

Woodson, Hughes W., Sr. Cigarette dispensing pocket case. 2,887,248, 5-19-59, Cl. 221-67.

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Woodward, Donald E., to Raymond Bag Corp. Sleeve structure for bag valve. 2,884,182, 4-28-59, Cl. 229-62.5.

Woodward, Edith E., Expandable contour diaper. 2,910,982, 11-3-59, Cl. 128-284.

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Gillespie, Sidney L. 2,878,850.  
Oldenburger, Rufus. 2,908,826.

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Woodward, James S., to United States of America, Navy. Engine control coordinator. 2,881,632, 4-14-59, Cl. 74-471.

Woodward, Oakley M., Jr., to Radio Corp. of America. Corner reflector antenna. 2,897,496, 7-28-59, Cl. 343-818.

Woodward, Richard H., and L. P. Horwitz, to Pickard & Burns, Inc. Automatic mapping device. 2,912,761, 11-17-59, Cl. 33-20.

Woodward, Robert B., to Research Corp. Production of reserpine and analogs thereof. 2,883,384, 4-21-59, Cl. 260-287.

Woodward, Robert M., to Owens-Corning Fiberglass Corp. Apparatus for contacting molten glass. 2,900,252, 8-8-59, Cl. 75-171.

Woodward, Roy E., and E. T. Owada. Breast developer. 2,911,969, 11-10-59, Cl. 128-66.

Woodward, Stephen G., and C. A. Hartman, to Bendix Aviation Corp. Method of adjusting fuel injector valves. 2,883,976, 4-28-59, Cl. 123-119.

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Woofter, Cecil B., to Brown & Bigelow. Interchangeable calendar. 2,892,275, 6-30-59, Cl. 40-122.

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Woofter, Robert C., to General Motors Corp. Electric switch. 2,919,315, 12-29-59, Cl. 200-16.

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Wool Industries Research Assn.: See—  
Wilks, Ralph. 2,886,939.

Woolard, Thomas L., to The Air Preheater Corp. Heat exchanger walls with coupled sinuous fin elements. 2,870,998, 1-27-59, Cl. 257-245.

Woolard, Thomas L., Copper base brazing alloy. 2,891,860, 6-23-59, Cl. 75-159.

Woolard, Thomas L., to The Air Preheater Corp. Copper base brazing alloy. 2,911,298, 11-3-59, Cl. 75-159.

Woolard, Thomas L., and D. G. Peterson, to The Air Preheater Corp. Brazed extended surface heat exchanger. 2,874,941, 2-24-59, Cl. 257-245.

Woolcock, James W., to Imperial Chemical Industries Ltd. Production of olefinic gases from hydrocarbon oils. 2,889,384, 6-2-59, Cl. 260-683.

Woolcott, Roger M.: See—  
Dailley, William H., Jr., and Woolcott. 2,883,175.

Woodridge, Cecil A., Minnow bucket. 2,873,550, 2-17-59, Cl. 43-57.

Woodridge, William A.: See—  
Johnston, Donald I., Derr, and Woodridge. 2,912,480.

Wooler, Alan Metcalf: See—  
Lowe, Arthur, Moysie, and Wooler. 2,897,162.

Woolf, Cyril: See—  
Cunningham, William J., and Woolf. 2,917,558.  
Gordon, Joseph, and Woolf. 2,870,222.  
Gordon, Joseph, and Woolf. 2,917,546.  
Miller, Charles B., and Woolf. 2,870,211.  
Stahl, Richard F., and Woolf. 2,885,449.  
Stahl, Richard F., and Woolf. 2,900,422.  
Sweeney, Richard F., and Woolf. 2,917,559.

Woolf, Cyril, to Allied Chemical Corp. Difluorochloroacetaldehyde and process. 2,870,213, 1-20-59, Cl. 260-601.

Woolf, Cyril, to Allied Chemical Corp. Difluorovinyl methyl ether. 2,870,219, 1-20-59, Cl. 260-614.

Woolf, Cyril, to Allied Chemical Corp. Manufacture of fluorohalometanes. 2,885,450, 5-5-59, Cl. 260-653.8.

Woolf, George P., and R. G. Crab meat extractor. 2,915,781, 12-8-59, Cl. 17-2.

Woolf, Robert G.: See—  
Woolf, George P., and R. G. 2,915,781.

Woolfe, Gerald: See—  
Oxley, Peter, Bristow, Williams, Woolfe, and Wilmshurst. 2,904,590.

Oxley, Peter, Bristow, Woolfe, and Williams. 2,912,438.

Woolfolk, Eldon W., Disposable paint, can extension. 2,904,208, 9-15-59, Cl. 220-4.

Woolfolk, Eldon W., and H. M. Boll, to Beaman Plastics. Holder for tear strip can openers. 2,915,215, 12-1-59, Cl. 220-52.

Woolfolk, Louis W., Dispensing machine. 2,912,143, 11-10-59, Cl. 222-129.4.

Woolfson, Martin G.: See—  
Castruccio, Peter A., and Woolfson. 2,896,093.

Woolley, Alfred B.: See—  
Hinchliffe, Ernest D., and Woolley. 2,901,785.

Woolley, Charles H.: See—  
Smith, Charles S., and Woolley. 2,872,907.

Woolley, Dilworth, and E. N. Shaw, to Research Corp. 1-benzyl, 2-methyl, 5-methoxy tryptamine. 2,890,223, 6-9-59, Cl. 260-319.

Woolley, George C., Portable cooler, gasser and dispenser for keg beer and the like. 2,917,906, 12-22-59, Cl. 62-306.

Woolley, Jack E.: See—  
Chin, Allan, Woolley, and Warren. 2,916,397.

Woolley, John M., to Imperial Chemical Industries Ltd. Colour photographic images produced from indazole color couplers. 2,872,317, 2-3-59, Cl. 96-55.

Woolley, John M., to Imperial Chemical Industries Ltd. 5-sulfamyl indazole-2-carboxylic acid esters. 2,881,167, 4-7-59, Cl. 260-239.9.

Woolslayer, Homer J., C. Jenkins, and C. D. Iddings, to Lee C. Moore Corp. Combination oil well derrick and tilting construction boom. 2,889,898, 6-9-59, Cl. 189-15.

Woolslayer, Homer J., C. D. Iddings, C. Jenkins, and E. A. Campbell, to Lee C. Moore Corp. Portable well drilling structure. 2,903,102, 9-8-59, Cl. 189-11.

Woosley, William P.: See—  
Babcock, Gordon M., Rethwisch, and Woosley. 2,904,525.

Wooster Brush Co., The: See—  
Conklin, Robert M. 2,891,301.

Wooster, Philip A., to West Chemical Products, Inc. Dispensing devices for fan-fold sheet material. 2,869,951, 1-20-59, Cl. 312-39.

Wooster Sealkote Co., The: See—  
Braun, Alfred E., and English. 2,874,677.

Wooten, Cora S.: See—  
Wooten, Spencer D., Jr. 2,912,082.

Wooten, Jurden, Jr., Eye actuating device for a doll. 2,889,661, 6-9-59, Cl. 46-169.

Wooten, Spencer D., Jr., to Home Music Systems, Inc. Intercommunication system. 2,896,022, 7-21-59, Cl. 179-1.

Wooten, Spencer D., Jr., deceased, C. S. Wooten, executrix. Accelerator control device. 2,912,082, 11-10-59, Cl. 192-3.

Wooten, Willis C., Jr.: See—  
Coover, Harry W., Jr., and Wooten. 2,887,464.  
Coover, Harry W., Jr., and Wooten. 2,917,398.

Wooten, Willis C., Jr., and D. J. Shields, to Eastman Kodak Co. Continuous process for preparing vinyl or vinylidene chloride graft polymers of improved solubility. 2,879,256, 3-24-59, Cl. 260-45.5.

Wootton, Douglas J.: See—  
Pearce, Albert F., and Wootton. 2,901,660.

Wootton, Gerald V., and H. M. Hoxie, to The B. F. Goodrich Co. Acetone-water solution of vinylidene cyanide-vinyl acetate copolymer and method for preparing same. 2,871,214, 1-27-59, Cl. 260-29.6.

Wootton, William C., to United-Carr Fastener Corp. Resiliently retained separable fastener. 2,888,971, 6-2-59, Cl. 151-41.75.

Worbla A.G.: See—  
Gewiss, Max, Maeder, and Teher. 2,887,750.

Worcester, Joseph A., Jr., to General Electric Co. Scan tuning receiver. 2,915,625, 12-1-59, Cl. 250-20.

Worcester Valve Co., Inc.: See—  
Sanctuary, Robert E. 2,895,496.  
Sanctuary, Robert E. 2,895,710.

Worden, Donald P., R. Young, and W. H. Janneck, to General Motors Corp. Process of coating steel tubing. 2,876,132, 3-3-59, Cl. 117-50.

Worden, Edgar C., to United States of America, Interior. Dynamic resistance recorder. 2,879,472, 3-24-59, Cl. 324-62.

Worden, Edgar C., to United States of America, Interior. Controller for regulating the resistance of a melt. 2,882,328, 4-14-59, Cl. 13-24.

Worden, Norbert P., to C. M. Hall Lamp Co. Sealed beam headlight mounting. 2,868,961, 1-13-59, Cl. 240-41.5.

Worden, Norbert P., to C. M. Hall Lamp Co. Lamp assembly. 2,903,570, 9-8-59, Cl. 240-7.1.

Work, Erich W., to Heaton & Cadwell Mfg. Co. Pressure relief valve. 2,871,877, 2-3-59, Cl. 137-469.

Work, Erich W., to Union Mfg. Co. Combination power-and-hand operated chuck. 2,890,889, 6-16-59, Cl. 279-114.

Work, Ervan H.: See—  
Work, John S., and E. H. 2,878,770.

Work, John S.: See—  
Coody, John L., Work, and Bell. 2,888,895.

Work, John S., and E. H. Internal expanding line-up pipe clamp. 2,878,770, 3-24-59, Cl. 113-103.

Workman, Evelyn J.: See—  
Bleakney, Robert M., and Workman. 2,903,534.  
Kempton, Marvin L., and Workman. 2,900,907.

Workman, James F.: See—  
Johnson, Robert E., Levit, and Workman. 2,881,780.

Workman, Woodrow L., to International Packings, Inc. Fluid seal. 2,915,345, 12-1-59, Cl. 308-187.2.

Works, Madden T.: See—  
Allen, Herbert, Works, and Oliver. 2,912,214.

Works, Madden T., and J. P. Slough, to Pioneers Specialties, Inc. Piston. 2,918,336, 12-22-59, Cl. 309-4.

Wormell, Robert L., to Courtaulds Ltd. Production of artificial protein threads, fibres, filaments and the like. 2,897,044, 7-28-59, Cl. 18-54.

Wormley, James D., and D. J. Mihal, to Deere & Co. Forward-reverse transmission. 2,885,900, 5-12-59, Cl. 74-377.

Wormser, Arthur, to Inflico Inc. Apparatus for screening and comminuting. 2,885,079, 5-5-59, Cl. 210-154.

Wormser, Arthur. Geometrical puzzle game. 2,885,207, 5-5-59, Cl. 273-157.

Wormser, Arthur, to Inflico Inc. Distributor seal. 2,903,278, 9-8-59, Cl. 285-11.

Wormser, Eric M.: See—  
Astheimer, Robert W., and Wormser. 2,895,049.

Wormser, Hans H., to Universal Winding Co. Textile machine. 2,918,778, 12-29-59, Cl. 57-35.

Worn David K.: See—  
Evans Howard and Worn. 2,889,224.

Worn, George A., and G. W. Evans, Jr., to The Lummus Co. Condenser deaerator. 2,916,260, 12-8-59, Cl. 257-43.

Worobel, John, to United Aircraft Corp. Engine construction. 2,916,874, 12-15-59, Cl. 60-39.16.

Worobey, Raymond G.: See—  
Madland, Glen R., and Worobey. 2,915,624.

Worrall, Roy R.: See—  
Boehl, Wilhelm, Worrall, and Alvey. 2,883,074.

Worrall, Walter L., to Federal Products Corp. Gauging apparatus. 2,889,631, 6-9-59, Cl. 33-147.

Worrall, William H., Storage equipment and the like. 2,907,617, 10-6-59, Cl. 312-201.

Worrel, John W., Finger guide for musical instruments. 2,918,838, 12-29-59, Cl. 84-465.

Worrell, Robert L., to Allis-Chalmers Mfg. Co. Valve and outlet spout for grain bin. 2,885,129, 5-5-59, Cl. 222-519.

Worsham, Charles H., and C. W. Skarstrom, to Esso Research and Engineering Co. Hydroforming process using alumina supported shock-cooled catalyst. 2,900,328, 8-18-59, Cl. 208-136.

Worsham, Joe B., Rotating traffic signal light. 2,883,646, 4-21-59, Cl. 340-43.

Worst, Joseph C.: See—  
Raczynski, Walter J., and Worst. 2,873,598.  
Raczynski, Walter J., and Worst. 2,900,080.

Worst, Joseph C., to General Electric Co. Spring clutch mechanism. 2,878,914, 3-24-59, Cl. 192-81.

Worst, Joseph C., to General Electric Co. Combination circuit breaker and dynamic unbalance switch for clothes washing machines. 2,878,937, 3-24-59, Cl. 210-144.

Worth, Charles J.: See—  
Ruhl, Charles A. L., and Worth. 2,916,049.



- Worth, Elmer R., Sr.: See—  
Elworthy, Bernard C. T. 2,893,448.
- Worth, Elmer R., Sr., and E. A. Petre, said Petre assor. to said Worth. Remote control of sawmill networks by electromechanical means. 2,888,047, 5-26-59, Cl. 143-120.
- Worth, Henry H. Coffee dispenser. 2,904,230, 9-15-59, Cl. 222-452.
- Worthen, Eugene P., and F. S. Barbour, to Bethlehem Steel Co. Combined flash type distilling plant and back-pressure turbo-generator. 2,893,926, 7-3-59, Cl. 202-92.
- Worthen, John H.: See—  
Walter, John M., and Worthen. 2,881,527.
- Worthen, Leonard P.: See—  
Barnes, John A., and Worthen. 2,912,338.
- Worthington Corp.: See—  
Alma, Herbert F. 2,873,010.
- Aronson, David, and Melick. 2,869,833.
- Bennett, Andrew E. 2,887,427.
- Bennett, Andrew E. 2,909,239.
- Boardman, Thaddeus J., and Williams. 2,913,959.
- Heteji, Paul S. 2,869,900.
- Hilkemeier, Louis G. 2,883,166.
- Hilkemeier, Louis G. 2,899,197.
- Hilkemeier, Louis G. 2,900,115.
- Hilkemeier, Louis G., and Berg. 2,879,978.
- Kauffmann, William M. 2,900,968.
- Kauffmann, William M., and Ueberschaer. 2,900,971.
- Kelr, Alexander J., and Harvey. 2,911,224.
- Kelr, Alexander J., and Hirsch. 2,867,376.
- Luoma, Aarne A., and Williams. 2,890,014.
- Nicholas, Andrew J. 2,910,947.
- Pratt, Ward E., and Farr. 2,873,127.
- Roeder, Rolf H. 2,873,105.
- Spining, Warren P. 2,872,999.
- Steven, George, and Kauffmann. 2,889,682.
- Walter, Hellmuth. 2,910,827.
- Walter, Hellmuth. 2,916,877.
- Wright, Elliott F., Watson, and Larrecq. 2,907,609.
- Worthington, Emory W.: See—  
Poligase, Burton C., Jr., Worthington, and Ringe. 2,909,999.
- Worthington, Emory W. Rotary letterpress ink fountain. 2,869,460, 1-20-59, Cl. 101-366.
- Worthington Mower Co.: See—  
Lewis, Evan T. 2,909,882.
- Lewis, Evan T., and Sanborn. 2,902,814.
- Wortman, Donald E., to General Motors Corp. Adjustable fuel nozzle. 2,893,647, 7-7-59, Cl. 239-404.
- Wortmann, Herbert, to Carl von der Crone & Co. Electric flashlights or torches. 2,911,637, 11-3-59, Cl. 340-321.
- Wortz, James M.: See—  
Hogan, Eric E., and Malloch. 2,908,959.
- Wosmek, Raymond. Portable grinding and mixing device for stock feed. 2,894,733, 7-14-59, Cl. 259-23.
- Wotring, John A.: See—  
Murray, John F., and Wotring. 2,870,719.
- Wotring, John A., and J. G. Mainland, to Thompson Ramo Wooldridge Inc. Gear pump having means to maintain center to center gear alignment. 2,898,863, 8-11-59, Cl. 103-126.
- Woughter, Earl R., and W. J. Knochel, to Westinghouse Electric Corp. Cathode ray tube. 2,906,904, 9-29-59, Cl. 313-85.
- Woughter, John M., to Minnesota Mining and Mfg. Co. Mixing and dispensing system. 2,895,648, 7-21-59, Cl. 222-235.
- Wouters, Louis F., to United States of America, Atomic Energy Commission. Vapor valve. 2,901,623, 8-25-59, Cl. 250-419.
- Wowk, Anatole: See—  
Randall, David I., and Wowk. 2,914,537.
- Randall, David I., Wowk, and Taras. 2,914,538.
- Woxman, Robert J., to General Motors Corp. Electric range. 2,882,382, 4-14-59, Cl. 219-37.
- Woydt, Eduard. Pivoted cam follower. 2,877,662, 3-17-59, Cl. 74-569.
- Woydt, Eduard. Pump or motor having four cylinders arranged in one plane. 2,889,783, 6-9-59, Cl. 103-169.
- Woydt, Eduard. Infinitely variable hydrostatic gears. 2,901,921, 9-1-59, Cl. 74-677.
- Woytych, Raymond M., to Giddings & Lewis Machine Tool Co. Automatic positioning device. 2,881,801, 5-5-59, Cl. 74-472.
- Wozencraft, John L. Swimming fin. 2,903,719, 9-15-59, Cl. 9-21.
- Wozencraft, John M., to United States of America, Army. Active filters. 2,880,316, 3-31-59, Cl. 250-27.
- Wozencraft, John M., to United States of America, Army. Method of and system for detecting signals. 2,882,338, 4-14-59, Cl. 178-69.
- Wozniak, Adolph J., to Thompson Products, Inc. Coaxial line switch. 2,876,422, 3-3-59, Cl. 333-97.
- Wrage, Phlert. Paint roller cleaner and dryer. 2,881,776, 4-14-59, Cl. 134-150.
- Wraight, Robert A. Work holding attachment for circular saws. 2,918,953, 12-29-59, Cl. 144-253.
- Wrase, Erich: See—  
Benink, Christiaan J. M., and Wrase. 2,885,983.
- Wray, Edward J., to Canadian General Electric Co., Ltd. Pipe coupling having a hand operated spring biased catch means. 2,912,260, 11-10-59, Cl. 285-7.
- Wray, Lem: See—  
Shiplet, Francis P. 2,882,889.
- Wray, Phillip G.: See—  
Reek, Robert J., and Wray. 2,879,332.
- Wray, Phillip G., to Teletype Corp. Transistor relay and signal shaping device. 2,905,835, 9-22-59, Cl. 307-88.5.
- Wreford, John S. Liquid-cooled obstruction-bypassing welding cable. 2,879,317, 3-24-59, Cl. 174-15.
- Wreford, John S., and F. L. Harris, to Gar Wood Industries, Inc. Sealed welding cable terminals. 2,906,807, 9-29-59, Cl. 174-15.
- Wren, John B.: See—  
Penney, James H., and Wren. 2,878,911.
- Wren Products Corp.: See—  
Gergely, John V. 2,911,643.
- Wretling, Karl A. J. Preparation of mixtures of amino acids. 2,872,319, 2-3-59, Cl. 99-14.
- Wretling, Karl A. J. Preparation of mixtures of amino acids. 2,872,320, 2-3-59, Cl. 99-14.
- Wrhen, Wilmer C.: See—  
Olson, Alfred E., and Wrhen. 2,905,291.
- Wrigglesworth, Norman A., to American Optical Co. Illuminators. 2,914,660, 11-24-59, Cl. 240-41.
- Wright, Albert L. H.: See—  
Bartlett, Phillip D., Bishop, Whittier, and Wright. 2,873,657.
- Wright, Alexander M., to Chandler-Evans Corp. Liquid flow regulating system. 2,882,918, 4-21-59, Cl. 137-108.
- Wright, Arthur. Apparatus for manufacturing candles. 2,885,727, 5-12-59, Cl. 18-1.
- Wright, Arthur A., to E. I. du Pont de Nemours and Co. Spinnet pack. 2,869,176, 1-20-59, Cl. 18-8.
- Wright-Batchelder Corp.: See—  
Rubico, Jerome A. 2,876,469.
- Wright, Byron T., to United States of America, Atomic Energy Commission. High voltage regulator. 2,890,338, 6-9-59, Cl. 250-41.9.
- Wright, Charles S. Discharge tube flashing circuit. 2,902,624, 9-1-59, Cl. 315-100.
- Wright, Charles S., to The Pure Oil Co. Process for isomerizing hydrocarbons. 2,913,508, 11-17-59, Cl. 260-683.65.
- Wright Chemical Corp.: See—  
Bailey, Nathaniel A., Pasowicz, and Reynolds. 2,901,437.
- Wright, Clifford B.: See—  
Barish, Thomas, Irwin, Line, and Wright. 2,886,112.
- Wright, Clyde E.: See—  
Ingwer, Carl H., Wright, and Wetzel. 2,916,749.
- Wright, Daniel M. Lubricating device. 2,911,068, 11-3-59, Cl. 184-1.
- Wright, David J.: See—  
McNulty, John V., and Wright. 2,910,622.
- Mollen, John C., and Wright. 2,911,557.
- Wright, Duane H., to R. L. Crain, Ltd. Strip printer and burster. 2,875,689, 3-3-59, Cl. 101-227.
- Wright, Edward J.: See—  
Klein, Norman E., and Wright. 2,914,903.
- Wright, Edward J., and N. E. Klein, to Deering Milliken Research Corp. Apex guide arrangement. 2,890,565, 6-16-59, Cl. 37-106.
- Wright, Edward P., to Turco Products, Inc. Railway journal box lid seal. 2,871,068, 1-27-59, Cl. 308-44.
- Wright, Edwin C., to Pennsylvania Engineering Corp. Method of making Bessemer or converter steel. 2,875,037, 2-24-59, Cl. 75-46.
- Wright, Elliott F., R. M. Watson, and A. J. Larrecq, to Worthington Corp. Crosshead guide assembly. 2,907,609, 10-6-59, Cl. 308-3.
- Wright, Ernest A., and G. E. Duffin, to Kalamazoo Ltd. Rod brake for vertically adjustable post member. 2,918,989, 12-29-59, Cl. 188-67.
- Wright, Esmond P. G., to International Standard Electric Corp. Electric telegraph systems. 2,918,526, 12-22-59, Cl. 178-23.
- Wright, Esmond P. G., and J. Rice, to International Standard Electric Corp. Electric register and control circuit therefor. 2,868,447, 1-13-59, Cl. 235-61.
- Wright, Esmond P. G., J. Rice, and D. G. N. Hunter, to International Standard Electric Corp. Methods of recording intelligence. 2,871,464, 1-27-59, Cl. 340-174.
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- Wright, Floyd H., to General Electric Co. Voltage stabilizer and reference circuit therefor. 2,869,069, 1-13-59, Cl. 323-66.
- Wright, George C.: See—  
Stoner, George G., and Wright. 2,901,457.
- Wright, George W., to Tokheim Corp. Separable motor-pump connector. 2,897,763, 8-4-59, Cl. 103-87.
- Wright, George W., to Tokheim Corp. Valve assembly. 2,901,000, 8-25-59, Cl. 137-527.
- Wright, George W., and J. C. Kerr, to Tokheim Corp. Impact responsive valve. 2,910,080, 10-27-59, Cl. 137-39.
- Wright, Gilbert M., to Kett Engineering Corp. Noiseless device for generating audible voice frequencies including harmonics. 2,895,126, 7-14-59, Cl. 340-392.

- Wright, Harry D., and E. G. Laue; said Laue assor. to said Wright. Pressure-responsive transducer. 2,917,642, 12-15-59, Cl. 310-8.3.
- Wright, Howard B., and M. B. Moore, to Abbott Laboratories. Morpholine ethers. 2,870,147, 1-20-59, Cl. 260-247.5.
- Wright, Howard B., and M. B. Moore, to Abbott Laboratories. Morpholine ethers IV. 2,870,149, 1-20-59, Cl. 260-247.7.
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- Wright, Howard B., Jr., and H. J. Hagemeyer, Jr., to Eastman Kodak Co. Purification of neopentylglycol by steam sublimation. 2,895,996, 7-21-59, Cl. 260-637.
- Wright, Ivan E., to Stone Container Corp. End pad and corrugated container. 2,887,263, 5-19-59, Cl. 229-23.
- Wright, James A.: See—  
Kohner, Melvin, and Wright. 2,900,719.
- Wright, James C.: See—  
Bruniche-Olsen, Henning A., Wright, Price, Steele, and Silver. 2,885,311.
- Wright, James H.: See—  
Capell, Robert G., Wright, and Gruse. 2,897,065.
- Wright, James H., W. E. Briggs, S. M. Billings, and H. A. Harriman, to General Electric Co. Magnetic thickness gauge. 2,903,645, 9-8-59, Cl. 324-34.
- Wright, James R.: See—  
Bolt, Robert O., Fontana, and Wright. 2,883,331.
- Wright, James R., to California Research Corp. Process for making poly 2-ethylbutoxysiloxanes. 2,870,184, 1-20-59, Cl. 260-448.8.
- Wright, James R., and R. O. Bolt, to United States of America, Atomic Energy Commission. Reactor coolant and method of use. 2,915,567, 12-1-59, Cl. 260-666.5.
- Wright, James W.: See—  
Settelmayr, Joseph J., and Wright. 2,884,950.
- Wright, Jernald G., to The Minister of National Defence of Her Majesty's Canadian Government. Means for polar coordinate navigation. 2,911,143, 11-3-59, Cl. 235-61.
- Wright, John B., to The Upjohn Co. 1,1 bis (p-aminophenyl) alkanols. 2,881,174, 4-7-59, Cl. 260-294.7.
- Wright, John B., to The Upjohn Co. 1,1 bis (p-aminophenyl) alkanones. 2,881,175, 4-7-59, Cl. 260-294.7.
- Wright, John B., to The Upjohn Co. 1(p-aminophenyl) 1 phenyl alkanols and alkanones. 2,881,216, 4-7-59, Cl. 260-570.
- Wright, John B., and E. H. Lincoln, to The Upjohn Co. Alpha-hydroxy, beta-amino-propionaldehyde. 2,875,248, 2-24-59, Cl. 260-584.
- Wright, John E.: See—  
Baker, George T., and Wright. 2,907,007.
- Wright, John G., G. M. Wynn, and R. H. Hutcheson, to The Auto-Soler Co. Fastener forming and inserting machine. 2,871,479, 2-3-59, Cl. 1-29.
- Wright, John G., G. M. Wynn, and R. H. Hutcheson, to The Auto-Soler Co. Fastener forming and inserting machine. 2,890,453, 6-16-59, Cl. 1-15.
- Wright, John R., to American Optical Co. Lens retaining ring. 2,874,610, 2-24-59, Cl. 88-57.
- Wright, John R., to Radio Condenser Co. Trimmer construction for variable condensers. 2,876,403, 3-3-59, Cl. 317-253.
- Wright, John S.: See—  
Austin, Robert B., Pierce, and Wright. 2,873,866.
- Wright, John W.: See—  
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- Wright, John W. Cutting saw chain. 2,891,586, 6-23-59, Cl. 143-135.
- Wright, John W. Portable reciprocating power saw. 2,895,514, 7-21-59, Cl. 143-68.
- Wright, Joseph W., to Owens-Illinois Glass Co. Method and apparatus for controlling convection currents of molten glass. 2,890,548, 6-16-59, Cl. 49-54.
- Wright, Kenneth A., and J. R. Solum, to B and W, Inc. Stop collar for a well pipe. 2,872,226, 2-3-59, Cl. 287-114.
- Wright, Kenneth A., J. R. Solum, and W. C. Hempel, to B and W, Inc. Well scratcher. 2,881,339, 4-14-59, Cl. 166-173.
- Wright, Kenneth A., and J. R. Solum, to B and W, Inc. Tool for use in cementing well casing. 2,881,840, 4-14-59, Cl. 166-173.
- Wright, Kenneth E. Ramp for seaplane. 2,896,564, 7-28-59, Cl. 114-43.5.
- Wright, Kenneth N.: See—  
Turner, Willard, and Wright. 2,912,331.
- Wright, Lawrence T., to Standard Oil Co. Valve control mechanism. 2,902,885, 9-8-59, Cl. 74-625.
- Wright, Lawrence W. P.: See—  
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- Wright, Lawson W. Water shock absorber. 2,875,789, 3-3-59, Cl. 138-31.
- Wright, Lee A., to General Motors Corp. Refrigerating apparatus. 2,886,296, 5-12-59, Cl. 257-262.11.
- Wright, Lemuel D., H. R. Skeggs, D. E. Wolf, and C. H. Hoffman, to Merck & Co., Inc.  $\beta$ , $\delta$ -dihydroxy- $\beta$ -methylvaleric and derivatives thereof as growth promoters. 2,915,398, 12-1-59, Cl. 99-2.
- Wright, Leonard: See—  
Pollock, Vincent A., and Wright. 2,902,924.
- Wright Line, Inc., The: See—  
Howard, Don R. 2,885,251.
- Wright, Manfred G.: See—  
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- Wright Mfg. Co.: See—  
Melgaard, Oscar C. 2,868,102.
- Petrie, Gordon D. 2,891,462.
- Wright, Michael A., to National Research Development Corp. Electrical signal storage systems. 2,906,999, 9-29-59, Cl. 340-173.
- Wright, Norman: See—  
Thlegs, Bernard J., and Wright. 2,875,555.
- Wright, Oswald A.: See—  
Thlegs, Bernard J., and Wright. 2,875,555.
- Wright, Palmer W.: See—  
Nagle, Floyd B., Ruffing, Wright, Kozakiewicz, and Roche. 2,915,482.
- Wright, Peter M.: See—  
Brandon, Percy S., and Wright. 2,888,651.
- Brandon, Percy S., and Wright. 2,913,717.
- Wright, Peter M., and N. M. Rust, to Marconi's Wireless Telegraph Co. Ltd. Moving target radar systems. 2,896,203, 7-21-59, Cl. 343-7.7.
- Wright, Peter M., and P. S. Brandon, to Marconi's Wireless Telegraph Co. Ltd. Frequency spectrum analyzers. 2,897,442, 7-28-59, Cl. 324-7.7.
- Wright, Peter M., and A. E. Sale, to Marconi's Wireless Telegraph Co. Ltd. Electronic switches. 2,914,669, 11-24-59, Cl. 250-27.
- Wright, Peter M., and E. M. Wells, to Marconi's Wireless Telegraph Co. Ltd. Frequency and phase shifters and modulators for very high frequency electro-magnetic waves. 2,915,714, 12-1-59, Cl. 333-31.
- Wright Products, Inc.: See—  
Falk, Harold W. 2,915,329.
- Wright, Richard C., to Iron Fireman Mfg. Co. Pilot burner and igniter. 2,905,236, 9-22-59, Cl. 158-115.
- Wright, Robert A., and A. R. McFadden, to Eastman Kodak Co. Apparatus for measuring moisture in web coatings. 2,870,405, 1-20-59, Cl. 324-65.
- Wright, Robert D.: See—  
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- Wright, Robert J.: See—  
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- Metcalfe, Kenneth A., and Wright. 2,900,320.
- Metcalfe, Kenneth A., and Wright. 2,907,674.
- Wright, Robert L., Jr., to Westinghouse Electric Corp. Turbine eccentricity meter. 2,879,470, 3-24-59, Cl. 324-34.
- Wright, Robert M., and T. J. Anderson, to The American Oil Co. Portable scaffolding. 2,903,282, 9-8-59, Cl. 287-53.5.
- Wright, Roy E.,  $\frac{1}{4}$  to H. J. Boetel, and  $\frac{1}{4}$  to L. P. Bowman. Combination sail and paddle boat. 2,891,260, 6-23-59, Cl. 9-2.
- Wright, Roy E., to Philadelphia Quartz Co. of Calif. Water-resistant adhesive compositions. 2,894,847, 7-14-59, Cl. 106-79.
- Wright, Stanley R.,  $\frac{1}{4}$  to M. W. Haines. Deflection tool for rotary directional drilling. 2,915,286, 12-1-59, Cl. 253-1.6.
- Wright, Sylvan L., and W. L., and R. R. Dansie. Investing chamber. 2,877,494, 3-17-59, Cl. 18-5.7.
- Wright, Theodore M.: See—  
Wright, Theodore M. Wire staple handling apparatus. 2,896,214, 7-28-59, Cl. 1-203.
- Wright, Theodore M., to Radio Corp. of America. Automatic punching machine. 2,911,045, 11-3-59, Cl. 164-115.
- Wright, Theodore M., to Radio Corp. of America. Apparatus for soldering printed circuits. 2,918,028, 12-22-59, Cl. 113-59.
- Wright, Thomas O., and I. V. Rigby, to International Computers and Tabulators Ltd. Printing mechanisms. 2,893,311, 7-7-59, Cl. 101-93.
- Wright, Warren L.: See—  
Wright, Sylvan L., and W. L., and Dansie. 2,877,494.
- Wright, Wayne E., W. A. Fitz Gibbons, and S. C. Major, to Sprague Electric Co. Molded resistors. 2,885,523, 5-5-59, Cl. 201-67.
- Wright, Zelma H., Jr. Automatic marker buoy. 2,903,718, 9-15-59, Cl. 9-9.
- Wrighton, Robert J.: See—  
Cushman, Clifford E., and Wrighton. 2,899,836.
- Wrigley, Clifford C.: See—  
Kelley, Oliver K., Hause, and Wrigley. 2,882,545.
- Kelley, Oliver K., Hause, and Wrigley. 2,898,644.
- Wrigley, Wm., Jr., Co.: See—  
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- Schlesinger, Walter. 2,912,759.
- Wrobbel, Ray J.: See—  
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- Wrobel, Kurt, to Etablissements Colson. Ring clips and clamps produced by moulding. 2,884,214, 4-28-59, Cl. 248-74.
- Wrobel, Kurt, to Societe Parisienne de Constructions Electromecaniques (S.O.P.A.C.E.M.) Ring clamp. 2,915,268, 12-1-59, Cl. 248-74.
- Wroblewski, Theodore: See—  
Zack, Albert, Wroblewski, and De Merritt. 2,915,811.
- Wroby, John S., to General Motors Corp. Drive shaft vibration isolation mount. 2,906,572, 9-29-59, Cl. 308-184.



- Wronka, Bodo, to Demag-Elektrometallurgie G.m.b.H. Cover lifting device for an electric furnace. 2,886,313, 5-12-59, Cl. 268-10.
- Wroughton, Donald M.: See—  
Marden, John W., Wroughton, and Baker. 2,916,535.
- Wu, William I. L., to Panoramic Radio Products, Inc. Signal generator. 2,892,944, 6-30-59, Cl. 250-36.
- Wubbe, Henry J.: See—  
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Leslie, James D., and Wubbe. 2,887,866.
- Wucher, Roland. Apparatus for moulding plastic materials. 2,885,734, 5-12-59, Cl. 18-30.
- Wucher, Roland. Apparatus for moulding plastic materials. 2,903,747, 9-15-59, Cl. 18-30.
- Wucherer, Johannes, H. Linde, and F. Jakob, to Gesellschaft Fur Linde's Elasmachinen Akt. Process and apparatus for gas purification. 2,895,304, 7-21-59, Cl. 62-13.
- Wuck, Karl, and A. Kresse. Washing machines. 2,896,437, 7-28-59, Cl. 68-133.
- Wuerfel, Donald F.: See—  
Hans, Edmund E., and Wuerfel. 2,906,349.
- Wuerfel, Richard K.: See—  
Redmond, John A., Peach, Wuerfel, and Weight. 2,900,479.
- Wuerker, Charles A., Jr., to Jacobsen Mfg. Co. Lawn mower handle. 2,900,660, 8-25-59, Cl. 16-111.
- Wuerth, John M., to North American Aviation, Inc. Accelerometer and integrator. 2,882,034, 4-14-59, Cl. 264-1.
- Wuerth, Robert C. System and device for prolonging the life of current energized filamentary elements. 2,914,637, 11-24-59, Cl. 200-122.
- Wuerthner, John P.: See—  
Ross, John G. 2,878,975.
- Wuest, Elmer T. Spring assembly. 2,885,693, 5-12-59, Cl. 5-260.
- Wuesthoff, Paul P., to Pandjiris Weldment Co. Crosshead assembly. 2,909,394, 10-20-59, Cl. 308-6.
- Wukasch, Eugene. Outdoor projection screen or the like. 2,911,686, 11-10-59, Cl. 20-112.
- Wulf, Carl-Adolf, to Deutsche Edelstahlwerke Akt. Apparatus and method for cooling or quenching. 2,893,409, 7-59, Cl. 134-22.
- Wulfert, Adolph C.: See—  
Kelly, John T., and Wulfert. 2,898,991.
- Wulff, Bernhard, to Daimler-Benz Akt. Closure for trunk compartments. 2,894,276, 7-14-59, Cl. 16-139.
- Wulff, Cal W., to Holland Co. Bolster damping arrangement for railway car trucks. 2,873,690, 2-17-59, Cl. 105-197.
- Wulff, Cal W., to Holland Co. Bolster damping arrangement for railway car trucks. 2,896,550, 7-28-59, Cl. 105-197.
- Wulff Process Co.: See—  
Coherly, Clarence J. 2,882,960.
- Wulle, William A., to The Pyle-National Co. Foraminous ceiling ventilating apparatus. Re. 24,637, 4-21-59, Cl. 98-40.
- Wulpi, Donald J., to International Harvester Co. Tool for cold rolling crankshaft fillets. 2,876,528, 3-10-59, Cl. 29-90.
- Wunder, Heinrich: See—  
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- Wunderlich, Clarence B.: See—  
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- Wunderlich, Donald K., to Sinclair Refining Co. Process for conducting high temperature conversions using fluidized solids as heat exchange media. 2,867,676, 1-6-59, Cl. 280-673.
- Wunderlich, George F.: See—  
Eitel, William W., McCullough, and Wunderlich. 2,918,597.
- Wunderman, Irwin, to Hewlett-Packard Co. Attenuator network. 2,896,086, 7-21-59, Cl. 250-211.
- Wunsch, Guido, to Askania-Werke A. G. Measuring apparatus, mainly for thermo-electric measurements. 2,878,449, 3-17-59, Cl. 324-99.
- Wunstorf, Hans. Oil heater. 2,899,530, 8-11-59, Cl. 219-38.
- Wurbs, Alfred. Amalgam producing apparatus. 2,876,192, 3-3-59, Cl. 204-220.
- Wurker, Carl H. Zigzag stitch attachment for sewing machines. 2,896,563, 7-28-59, Cl. 112-160.
- Wurlitzer, Rudolph, Co., The: See—  
Andersen, Clifford W. 2,881,651.  
Andersen, Clifford W. 2,888,851.  
Andersen, Clifford W. 2,909,093.  
Andersen, Clifford W. 2,909,727.  
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- Wurm, Stanley C. Audible signal device. 2,896,952, 7-28-59, Cl. 274-1.
- Wursch, Walter, 50% to Emanuel S. Klausner, Inc. Magnetic holding device. 2,884,698, 5-5-59, Cl. 33-75.
- Wurttembergische Spinnelfabrik G. m. b. H.: See—  
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- Wurtz, Clifford H., to General Motors Corp. Refrigerating apparatus. 2,894,731, 7-14-59, Cl. 257-256.
- Wurtz, Clifford H., and L. J. Mann, to General Motors Corp. Self-defrosting two-temperature refrigerator. 2,900,806, 8-25-59, Cl. 62-186.
- Wurtz, John W., and C. K. Wolff, to Federal-Mogul-Bower Bearings, Inc. Pipe joint having a reinforced extrusion-resistant gasket. 2,880,019, 3-31-59, Cl. 285-95.
- Wurtz, John W., and W. C. Bowker, to Federal-Mogul-Bower Bearings, Inc. Seal ring. 2,893,058, 7-7-59, Cl. 18-42.
- Wurzburg, Otto B.: See—  
Caldwell, Carleyle G., and Wurzburg. 2,917,506.
- Wurzbarger, Paul D. Coupling nut with cam operated pin means for releasably engaging a nut locking means. 2,884,981, 5-5-59, Cl. 151-39.
- Wurzel, Hugo, to Walde Kohinoor, Inc. Tools for assembling retaining rings. 2,885,770, 5-12-59, Cl. 29-229.
- Wurzel, Hugo, to Walde Kohinoor, Inc. Coupled assemblies and coupling ring for use therein. 2,886,353, 5-12-59, Cl. 287-52.
- Wurzel, Hugo, to Walde Kohinoor, Inc. Connectors. 2,895,754, 7-21-59, Cl. 287-53.
- Wurzel, Hugo, to Walde Kohinoor, Inc. Means for locking internal retaining rings. 2,898,135, 8-4-59, Cl. 287-52.
- Wust, Hans, to Manufacture de Machines du Haut-Rhin. Ordinance. 2,900,873, 8-25-59, Cl. 89-1.
- Wustenev, Herbert, and H. Richter, to Siemens & Halske Akt. Typewriter carriage return. 2,891,651, 6-23-59, Cl. 197-68.
- Wustenev, Herbert, and F. Hennig, to Siemens & Halske Aktengesellschaft. Start-stop teleprinter. 2,907,823, 10-6-59, Cl. 178-175.
- Wut, Donald E.: See—  
Stavenger, Paul L., and Wut. 2,913,112.
- Wyatt, Joseph M. B. A., to International Standard Electric Corp. Device having vibrating reeds. 2,876,445, 3-3-59, Cl. 340-359.
- Wyandotte Chemicals Corp.: See—  
Jacon, Leslie R., Smith, and Vaughn. 2,886,533.  
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Lewis, William W., Jr., and Langdon. 2,875,200.  
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- Wyant, Gerald W. Fire retarding device. 2,917,116, 12-15-59, Cl. 169-2.
- Wyatt, John W. Slot-lock for cuff links and the like. 2,901,797, 9-1-59, Cl. 24-109.
- Wyatt Mfg. Co., Inc., The: See—  
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- Wyatt, William K.: See—  
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- Wyatt, William K., Jr., and J. R. Brownell, to F. J. Stokes Corp. Tablet coating machine. 2,879,724, 3-31-59, Cl. 107-1.
- Wyckoff, Ralph D., to Gulf Research & Development Co. Temperature compensated permanent magnet. 2,906,929, 9-29-59, Cl. 317-201.
- Wycesany, Mitchell C. Tire pressure indicating device. 2,868,907, 1-13-59, Cl. 200-61.25.
- Wygant, James C.: See—  
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- Wygant, James C., to Monsanto Chemical Co. Hexachlorobicycloheptene sulfonic acids and derivatives as insecticides. 2,875,123, 2-24-59, Cl. 167-30.
- Wygant, James C., to Monsanto Chemical Co. Fungicidal composition and method for its preparation. 2,900,297, 8-18-59, Cl. 167-30.
- Wygant, James F.: See—  
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- Wygant, James F., to Standard Oil Co. High temperature gas and solids filter. 2,892,510, 6-30-59, Cl. 183-41.
- Wyld, Arthur H.: See—  
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- Wylde, Joseph R.: See—  
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- Wylde, Ronald J. System for producing amplitude-modulated signals. 2,906,970, 9-29-59, Cl. 332-31.
- Wylezik, Curt, to Telefunken G.m.b.H. Loudspeaker arrangement. 2,888,090, 5-26-59, Cl. 181-31.
- Wylie, Jean, W. E. Osborne, and C. R. Amsler, to Hycon Mfg. Co. Camera system for image motion compensation. 2,899,882, 8-18-59, Cl. 95-12.5.
- Wylie, Leonard M.: See—  
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- Wylie, Russell G., to Commonwealth Scientific and Industrial Research Organization. Hygrometers. 2,897,673, 8-4-59, Cl. 73-336.5.
- Wyllie, Malcolm R. J., to Gulf Research & Development Co. Sampling drilling fluid. 2,902,637, 9-1-59, Cl. 324-10.
- Wyman, Charles G., to The Dayton Rubber Co. Apparatus for winding tire beads. 2,917,087, 12-15-59, Cl. 140-92.2.
- Wyman, John H.: See—  
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- Wyman, Leonard J.: See—  
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- Wyndham, Paul I., to Telephone Mfg. Co. Ltd. Signal detectors. 2,907,930, 10-6-59, Cl. 317-142.
- Wynn, Edward W. Valves of the diaphragm type. 2,880,961, 4-7-59, Cl. 251-331.
- Wynn, George M.: See—  
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- Wynn, Harold S.: See—  
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- Wynn, John S., to Pan American Petroleum Corp. Well apparatus brake. 2,897,898, 8-4-59, Cl. 166-212.
- Wynn Pharmacal Corp.: See—  
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- Wynn, Robert O., to ACF Industries, Inc. Lubricated gate valve. 2,904,059, 9-15-59, Cl. 137-246.12.
- Wynn, Robert O., and G. F. Hyde. Fuze for special shaped charge bomb. 2,911,914, 11-10-59, Cl. 102-70.2.
- Wynn, Robert W., to General Aniline & Film Corp. Manufacture of 2,3,3-tetrachloro-1,4-butanediol. 2,901,516, 8-25-59, Cl. 260-633.
- Wynn, Robert W., and P. E. Hoch, to General Aniline & Film Corp. 2,2'-dihydroxy-4,4'-substituted benzophenones as ultraviolet absorbers for Gr-A rubber. 2,876,210, 3-3-59, Cl. 260-45.95.
- Wynn, Ted R. Sugar dispenser. 2,903,164, 9-8-59, Cl. 222-189.
- Wynne, Hubert C., and F. Cousen, to Pilkington Brothers Ltd. Manufacture of opaque glass in ribbon form. 2,883,799, 4-28-59, Cl. 49-87.
- Wynne, Ira H., to Reserve Mining Co. Pulp splitter. 2,870,909, 1-27-59, Cl. 209-284.
- Wynne, William J., Jr. Crimping tool. 2,875,656, 3-3-59, Cl. 81-15.
- Wynwood Corp.: See—  
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- Wynstra, John: See—  
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- Wysoczanski, Alfred: See—  
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- Wysong, Donald G., to Price Brothers Co. Mechanical vibrator. 2,875,958, 3-3-59, Cl. 259-1.
- Wysong, Paul V., Jr., A. F. Bohnhoff, and W. H. West, to General Motors Corp. Alternator valve assembly for reversible fluid pressure systems. 2,878,788, 3-24-59, Cl. 121-150.
- Wyssmont Co., Inc.: See—  
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- Xander, Paul A., and E. F. Hoover, to Wise Potato Chip Co. Method of producing protein and protein hydrolysate from potatoes and potato waste. 2,879,264, 3-24-59, Cl. 260-112.
- Xanten, Elmer F., to Adjustable Stair & Mfg. Co. Adjustable stair. 2,867,855, 1-13-59, Cl. 20-10.
- Xenis, Constantine P., to Consolidated Edison Co. of New York, Inc. Apparatus for traveling through pipes. 2,917,762, 12-22-59, Cl. 15-104.05.
- Yackel, Otto. Truck box dumping devices. 2,894,785, 7-14-59, Cl. 298-22.
- Yacoe, Jesse C.: See—  
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- Yacoe, Jesse C., to E. I. du Pont de Nemours and Co. Process for preparing free-flowing pellets of polychloroprene and the resulting product. 2,879,173, 3-24-59, Cl. 117-16.
- Yacowitz, Harold: See—  
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- Yaeger, Joseph C., to McGraw-Edison Co. Ballast construction. 2,910,623, 10-27-59, Cl. 315-241.
- Yaeger, Luther L.: See—  
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- Yaffee, Philip, to United States of America, Navy. Control apparatus for radio monitoring station. 2,900,635, 8-18-59, Cl. 343-205.
- Yaffack, John J. Lawn scarifier. 2,902,099, 9-1-59, Cl. 172-354.
- Yager, Joseph S. Cotton and corn chopper. 2,873,807, 2-17-59, Cl. 172-88.
- Yagi, Takashi, to N. Kawataki. Loader. 2,913,133, 11-17-59, Cl. 214-512.
- Yahn, William J. Method of increasing production of oil, gas and other wells. 2,911,046, 11-3-59, Cl. 166-367.
- Yahnka, Otto P. Method of and means for screen venting a core box. 2,914,821, 12-1-59, Cl. 22-13.
- Yakel, Frederick O., and J. H. Conservation fishhooks. 2,897,624, 8-4-59, Cl. 43-36.
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- Yalich, Michael, and J. M. Berill, to Westinghouse Air Brake Co. Car retarder speed control systems. 2,891,144, 6-16-59, Cl. 246-182.
- Yamada, Donald A., I. Katz, and J. C. Wilson, to North American Aviation, Inc. Ethoxylated-cyanurate-acrylate resinous composition and copper conductor coated therewith. 2,883,308, 4-21-59, Cl. 117-232.
- Yamamoto, Tamechika: See—  
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- Yamartino, Raymond L., to National Research Corp. Method of producing refractory metals. 2,915,353, 12-1-59, Cl. 75-84.5.
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- Yan, Maxwell M.: See—  
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- Yandell, Ronald P. B., to Powers-Samas Accounting Machines Ltd. Digital computing machines. 2,892,997, 6-30-59, Cl. 340-174.
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- Yando, Stephen, to Sylvania Electric Products Inc. Electroluminescent device. 2,917,669, 12-15-59, Cl. 315-174.
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- Yang, Chang-Tsing, to Shell Development Co. Expoxidation process. 2,873,283, 2-10-59, Cl. 260-348.5.
- Yang, Christen H. C., to Crown Zellerbach Corp. Creped paper with improved softness and process of making the same. 2,874,618, 2-24-59, Cl. 92-70.
- Yankee Engineering Co., Inc.: See—  
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- Yankee, Richard B.: See—  
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- Yann, Carl C.: See—  
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- Yant, William P., and J. P. Strange, to Mine Safety Appliances Co. Prevention of catalyst poisoning. 2,876,064, 3-3-59, Cl. 23-1.
- Yantis, Fordyce M. Casting plug. 2,886,322, 5-12-59, Cl. 273-106.5.
- Yarber, Gordon W. Multiple-position valve. 2,910,089, 10-27-59, Cl. 137-623.
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- Yarbrough, Stanton L., to Philco Corp. Mounting apparatus. 2,881,405, 4-7-59, Cl. 339-17.
- Yard, Edward M.: See—  
Kraftson, Harry A., and Yard. 2,895,335.
- Yard-Man, Inc.: See—  
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- Yardney International Corp.: See—  
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 Brown, Kenneth N. 2,906,803.  
 Chapman, Christopher L. C. 2,908,740.  
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Ohlinger, Leo A., Seltz, and Young. 2,874,107.  
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Ohlinger, Leo A., Wigner, Weinberg, and Young. 2,890,158.  
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Young, George V., to Video Instruments Co., Inc. Integral transducer amplifier system. 2,887,591, 5-19-59, Cl. 307-88.5.  
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Young, Harland H., J. L. Ohlson, and G. Barshefsky, to Swift & Co. Manufacture of structural board from rumen. 2,899,352, 8-11-59, Cl. 162-148.  
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Young, Jack R. Manually operated latching device for a truck rear door. 2,890,478, 6-16-59, Cl. 16-144.  
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Young, Michael R. P.: See—  
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Humbert, Kingsley E., Jr., Young, and Hough. 2,902,162.  
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Young, Richard J., to International Business Machines Corp. Consecutive serial numbering device. 2,919,003, 12-29-59, Cl. 197-19.  
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Young, Samuel M. Tool for use in installing power lines. 2,902,257, 9-1-59, Cl. 254-134.3.  
Young, Sidney G. Electric socket connectors. 2,875,422, 2-24-59, Cl. 339-64.  
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Youngblood, Ulysses H. Exterminating device and system. 2,906,056, 9-29-59, Cl. 43-124.  
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Youngren, Milton D. Animated card device. 2,895,244, 7-21-59, Cl. 40-126.  
Youngson, Charles R., to The Dow Chemical Co. Method and composition for improving the plant growing properties of soil. 2,889,244, 6-2-59, Cl. 167-22.  
Youngson, Charles R., to The Dow Chemical Co. Method and composition for destroying nematodes. 2,898,261, 8-4-59, Cl. 167-22.  
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Youtz, Philip N. Method of erecting buildings. 2,871,544, 2-3-59, Cl. 25-155.  
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- Zeserson, Hyman M., and E. J. McFarland. Spring loaded shoe tree for children's shoes. 2,903,725, 9-15-59, Cl. 12-115.6.
- Zetetic Inc.: See—  
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- Zetour, Russell: See—  
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- Zettel, Joseph E.: See—  
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- Zeuthen, Albert W.: See—  
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- Zeuthen, Leon H. Garment hangers. 2,914,228, 11-24-59, Cl. 223-95.
- Zevely, Thomas K., to The Washington Brick Co. Mold box stripping mechanism. 2,887,755, 5-26-59, Cl. 25-41.
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- Zick, William J., to B. Heller & Co. Method of preparing ground meat products. 2,899,311, 8-11-59, Cl. 90-108.
- Zickefoose, Ellis J., to Griffin Wheel Co. Pouring spout assembly and mounting arrangement. 2,874,424, 2-24-59, Cl. 22-69.
- Zickendraht, Christian, and E. J. Koller, to Ciba Ltd. New phthalocyanine dyestuffs. 2,897,207, 7-28-59, Cl. 260-314.5.

- Zickler, Gottfried: See—  
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Grobl, Jon E., and Zickler. 2,883,105.
- Ziebell, Theodore R., to The Cottrell Co. Printing plate tension lockups. 2,893,319, 7-7-59, Cl. 101-378.
- Ziebolz, Herbert, to GPE Controls, Inc. Compensation of back pressure variation in discharge type regulators. 2,903,007, 9-8-59, Cl. 137-83.
- Zieg, Clifford V. Automatic shut-off valve. 2,869,593, 10-20-59, Cl. 141-208.
- Zieg, Clifford V., J. C. Lee, and R. D. Lambert, to Symington-Wayne Corp. Double-acting diaphragm pump. 2,918,878, 12-29-59, Cl. 103-150.
- Ziege, Norman E., to Phillips Petroleum Co. Excess flow check valve. 2,917,077, 12-15-59, Cl. 137-514.7.
- Ziegenbela, Paul W. Self-sharpening safety pin. 2,904,865, 9-22-59, Cl. 24-156.
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- Ziegler, Fritz: See—  
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- Ziegler, George N.: See—  
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- Ziegler, Günther: See—  
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- Ziegler, Hans W. G.: See—  
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- Ziegler, John C. U. Bendix Aviation Corp. Anti-backlash gear train. 2,868,028, 1-13-59, Cl. 74-409.
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- Ziegler, Karl, and K. Hafner; said Hafner assor. to said Ziegler. Process for the preparation of azulenes. 2,900,426, 8-18-59, Cl. 260-666.
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- Ziegler, Karl, H.-G. Gellert, and K. Nagel; said Gellert and Nagel assors. to said Ziegler. Production of alkyl aluminum hydrides and their complex compounds with alkali hydrides. 2,915,541, 12-1-59, Cl. 260-448.
- Ziegler, Robert M., Jr., to Hughes Aircraft Co. Magnetostriction switch. 2,897,312, 7-28-59, Cl. 200-87.
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- Ziegler, William M.: See—  
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- Ziegler, William M., to American Cyanamid Co. Refining process for vitamin B. 2,914,524, 11-24-59, Cl. 260-211.5.
- Ziehm, Günter: See—  
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- Ziehm, George P., Jr., to American Can Co. Locking clip. 2,876,896, 3-10-59, Cl. 206-65.
- Ziel, Max G. Baseball control developer and tester. 2,873,960, 2-17-59, Cl. 273-26.
- Ziellinski, Edward J. Arrow head. 2,874,968, 2-24-59, Cl. 273-106.5.
- Ziellinski, Max I.: See—  
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- Ziemer, Waldemar: See—  
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- Zienty, Ferdinand B., to Monsanto Chemical Co. Preparation of substituted amines. 2,885,439, 5-5-59, Cl. 260-563.
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- Ziese, Walter, to Badische Anilin- & Soda-Fabrik Akt. Process for the continuous production of hydrogels containing silicic acid. 2,871,099, 1-27-59, Cl. 23-182.
- Ziese, Walter, W. Chorbacher, and A. Steinhof, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of colloidal soluble aluminum hydroxide. 2,907,634, 10-6-59, Cl. 23-143.
- Zievers, James F., to Industrial Filter & Pump Mfg. Co. Filtering apparatus. 2,891,673, 6-23-59, Cl. 210-323.
- Ziff, Henry. Insulated bag. Re. 24,600, 2-17-59, Cl. 150-52.
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- Zifferer, Lothar R. Apparatus for curing a moldable object with carbon dioxide. 2,876,510, 3-10-59, Cl. 22-89.
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- Zilm, Dwight M., to Canadian Forest Products Ltd. Bracing apparatus for logs in veneer lathes. 2,884,966, 5-5-59, Cl. 144-209.
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- Zimiles, Paul: See—  
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- Zimmerli, Adolf. Container closure. 2,885,128, 5-5-59, Cl. 222-541.
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- Zimmerli, Kurt, to B. F. Perkins & Son, Inc. Calendar apparatus. 2,900,747, 8-25-59, Cl. 38-52.
- Zimmerman, Benjamin: See—  
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- Zimmerman, Charles H., deceased; by R. C. Zimmerman, administrator, to The Zimmerman Packing Co. Cutting implement. 2,880,506, 4-7-59, Cl. 30-293.
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- Zimmerman, George, to Owens-Illinois Glass Co. Electric welding glass parts. 2,867,948, 1-13-59, Cl. 49-82.
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- Zimmerman, Herman M., and R. A. Powers, to Union Carbide Corp. Corrosion inhibitors. 2,900,434, 8-18-59, Cl. 136-161.
- Zimmerman, Jack J., to Die-Form Circuits of Delaware, Inc. Electrical component placing device. 2,878,475, 3-24-59, Cl. 1-82.



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- Zimmerman, Joseph E. House trailer awning. 2,909,220, 10-20-59, Cl. 160-213.
- Zimmerman Packing Co., The: See—  
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- Zimmermann, Albert. Noting device, in particular for telephone numbers. 2,894,343, 7-14-59, Cl. 40-86.
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- Zimmermann, Ehrenfried, and W. Hennings. Closures for bottles and like containers. 2,884,149, 4-28-59, Cl. 215-37.
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- Wittler, Fritz. 2,910,284.
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- Zindler, Roger R.: See—  
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- Zingone, Anthony E., to Zylco Corp. Latch mechanism. 2,868,577, 1-13-59, Cl. 292-99.
- Zink, George A., J. P. Child, J. Servi, and R. J. Gorsky, to General Motors Corp. Core making apparatus. 2,899,725, 8-18-59, Cl. 22-10.
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- Zinke, Erwin M. Suction cup. 2,871,054, 1-27-59, Cl. 294-64.
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- Zinkil, Roy H., to Crane Co. Diaphragm valve. 2,885,180, 5-5-59, Cl. 251-331.
- Zinkowski, Charles N., to Republic Aviation Corp. Device for packaging machines. 2,914,896, 12-1-59, Cl. 53-78.
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- Zintel, Clarence C. Coat-hanger cover. 2,873,054, 2-10-59, Cl. 223-98.
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- Zitomir, Joseph H. Illuminated electric ceiling fixture construction. 2,873,828, 2-17-59, Cl. 189-82.
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- Zivi, Edwin L. Collapsible overbed table. 2,893,803, 7-7-59, Cl. 311-28.
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- Bleger, Walter L., to The Parker Pen Co. Desk base for a writing instrument. 185,933, 8-18-59, Cl. D74-1.
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- Bloch, Jack, to Foster Grant Co., Inc. Flexible sunglass frame or the like. 184,555, 3-10-59, Cl. D57-1.
- Bloch, Jack, to Foster Grant Co., Inc. Sunglass frame front or the like. 184,705, 3-31-59, Cl. D57-1.
- Bloch, Jack, to Foster Grant Co., Inc. Drinking tumbler or the like. 184,976, 4-28-59, Cl. D36-8.
- Bloch, Jack, to Foster Grant Co., Inc. Pitcher. 185,810, 8-4-59, Cl. D44-21.
- Block, Edwin B. Marine distress signalling unit. 185,188, 5-19-59, Cl. D72-1.

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- Boldt, Melvin H., to Zenith Radio Corp. Radio control panel. 185,731, 7-28-59, Cl. D26-14.
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- Bono, Luigi, to Necchi Societa per Azioni. Sewing machine. 185,657, 10-27-59, Cl. D70-1.
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- Bowden, Stanley, to Rogers Inc. Decorative panel for cigarette lighters or the like. 186,720, 11-24-59, Cl. D48-27.
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Bedack, Joseph, and Carotenuto. 186,372.  
Bedack, Joseph, and Carotenuto. 186,373.  
Bedack, Joseph, and Carotenuto. 186,374.

Carpenter, L. E., & Co., Inc.: See—  
Scheidling, Arno H. 184,266.  
Scheidling, Arno H. 184,493.  
Sylvester, Arthur D., and Scheiding. 185,245.  
Sylvester, Arthur D., and Scheiding. 185,723.  
Sylvester, Arthur D., and Scheiding. 186,835.

Carpenter, Mark. Educational tool toy. 184,912, 4-21-59, Cl. D34-15.

Carpenter, William J. Table lamp or similar article. 185,917, 8-18-59, Cl. D48-20.

Carpenter, William P., to The Superior Electric Co. Electrical induction unit. 186,511, 11-3-59, Cl. D26-15.

Carr, John W. X-ray processing tank. 184,421, 2-17-59, Cl. D61-1.

Carrier Corp.: See—  
Federico, Joseph. 184,863.

Carrigan, Richard M.: See—  
Mapes, Carl H., and Carrigan. 184,882.

Carter, Roland, and J. P. Giacomini, to Thonett Industries, Inc. Combined headboard and chest unit. 184,711, 3-31-59, Cl. D5-4.

Carters Ink Company, The: See—  
Fleming, Jack F. 184,720.

Cartier, Inc.: See—  
Mayeur, Jean. 184,823.

Caruso, Anthony M., to The Seeburg Corp. Vending machine cabinet. 186,788, 12-1-59, Cl. D52-3.

Carvel, Thomas. Top unit for vending motor vehicles. 184,983, 4-28-59, Cl. D14-27.

Carvel, Thomas. Superstructure unit for vending motor vehicles. 185,131, 5-12-59, Cl. D14-27.

Cassinelli, Francesco, to Messrs Fratelli Paganini. Antifog headlight for vehicles. 185,696, 7-21-59, Cl. D48-32.

Cassini, Oleg. Dress. 184,211, 1-6-59, Cl. D3-26.

Cassini, Oleg. Dress. 184,272, 1-20-59, Cl. D3-26.

Cassini, Oleg. Dress. 184,301, 1-27-59, Cl. D3-26.

Cassini, Oleg. Dress. 185,189, 3-19-59, Cl. D3-26.

Castellano, Carmine A.: See—  
Dickman, Carl H., and Castellano. 185,990.

Cataldo, John B., to I-T-E Circuit Breaker Co. Electrical duct fitting. 184,913, 4-21-59, Cl. D26-5.

Cauldon Potteries Ltd.: See—  
Harrison, Thomas S. 185,147.  
Harrison, Thomas S. 185,281.

Cawl, Allen P.: See—  
Belicka, Michael E., Cawl, Guld, and Lampe. 186,873.

Causton, William D. Beanbag. 184,273, 1-20-59, Cl. D34-15.

Cena, Albino, to Pietro Ferrero & C. Albo. Chocolate cake. 185,332, 6-23-59, Cl. D82-2.

Cena, Albino, to Pietro Ferrero & C. Alba. Chocolate cake. 186,579, 11-10-59, Cl. D8-1.

Ceratile Corp.: See—  
Bunday, Glenn W. 184,337.

Cerrito, John A. Jewelry finding. 184,660, 3-24-59, Cl. D45-1.

Chadbourne, Gilbert R., to Keyes Fibre Co. Divided plate. 185,911, 8-18-59, Cl. D44-15.

Chaikin, Herbert. Combined locket, compact and lipstick holder. 186,543, 11-3-59, Cl. D45-15.

Chaille, Everett W. Power line support or the like. 186,768, 12-1-59, Cl. D26-9.

Chakine, Alexander. Cap and stopper combination for hose or the like. 186,971, 12-29-59, Cl. D91-1.

Chalmers, Robert S. Toy horse and wagon. 185,489, 6-16-59, Cl. D34-15.

Chamberlain Aviation, Inc.: See—  
Hale, Jack W. 186,652.

Chambers, Worthy L., to Sunbeam Corp. Hair dryer cap or the like. 184,601, 3-17-59, Cl. D3-13.

Chamness, Abe. Portable stool. 184,602, 3-17-59, Cl. D15-8.

Champion Heater Co., Inc.: See—  
Cooper, William M. 184,800.

Champlin, Joe N. Transistor training aid. 186,073, 9-8-59, Cl. D26-1.

Channel Master Corp.: See—  
Harris, Harold, and Sokol. 184,998.

Chapin, Charles J.: See—  
Cvetko, Henry J., and Chapin. 186,771.

Chapman, Cell. Dress or the like. 186,571, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,572, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,573, 11-10-59, Cl. D3-26.

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Chapman, Cell. Dress or the like. 186,579, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,580, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,581, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,582, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,583, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,584, 11-10-59, Cl. D3-26.

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Chapman, Cell. Dress or the like. 186,619, 11-10-59, Cl. D3-26.

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Chapman, Cell. Dress or the like. 186,621, 11-10-59, Cl. D3-26.

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Chapman, Cell. Dress or the like. 186,708, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,709, 11-10-59, Cl. D3-26.

Chapman, Cell. Dress or the like. 186,710, 11-10-59, Cl. D3



## Chrysler Corp.: See—

- Brownlie, William M. 184,471.  
Brownlie, William M. 186,875.  
Cabell, Douglas N. 184,509.  
Gempel, John C. 186,722.  
Geraci, Vincent J. 184,478.  
Geraci, Vincent J. 185,902.  
Kenitz, Jack E. 184,485.  
Kenitz, Jack E., and Baird. 185,553.  
Kopka, Donald F. 184,486.  
Pratt, William B. 185,792.  
Reynolds, Frederick. 184,492.  
Samsen, John R. 186,876.  
Voas, Clifford C., and Schwarz. 184,841.  
Church, Michael, to Clark Equipment Co. Tow tractor. 186,159, 9-22-59, Cl. D14-3.  
Church, Warren C., to The Lane Co., Inc. Headboard for a bed. 186,100, 9-15-59, Cl. D5-4.  
Church, Warren C., to The Lane Co., Inc. Chest or the like. 186,112, 9-15-59, Cl. D33-6.  
Church, Warren C., to The Lane Co., Inc. Dresser or the like. 186,113, 9-15-59, Cl. D33-6.  
Church, Warren C., to The Lane Co., Inc. Mirror. 186,114, 9-15-59, Cl. D33-9.  
Church, Warren C., to The Lane Co., Inc. Buffet or the like. 186,115, 9-15-59, Cl. D33-13.  
Church, Warren C., to The Lane Co., Inc. Cabinet or the like. 186,116, 9-15-59, Cl. D33-19.  
Church, Warren C., to The Lane Co., Inc. Cabinet or the like. 186,117, 9-15-59, Cl. D33-19.  
Church, Warren C., to The Lane Co., Inc. Cabinet or the like. 186,118, 9-15-59, Cl. D33-19.  
Cincinnati Butchers Supply Co., The: See—  
Schmidt, William C. 185,616.  
Clanton, Raymond W. Wall block. 185,592, 6-30-59, Cl. D18-2.  
Clark, Alexander. Wind-driven rotary bubble blower. 185,805, 8-4-59, Cl. D34-15.  
Clark Equipment Co.: See—  
Chucta, Michael. 186,159.  
Lauck, John A. 186,558.  
Clark, Joseph C. Fishing reel. 186,515, 11-3-59, Cl. D31-4.  
Clark, Lancaster P., Jr., to Clark Metal Products, Inc. Creamer. 185,063, 5-5-59, Cl. D44-21.  
Clark, Lancaster P., Jr., to Clark Metal Products, Inc. Covered sugar bowl. 185,064, 5-5-59, Cl. D44-15.  
Clark, Lancaster P., Jr., to Clark Metal Products, Inc. Platter. 185,065, 5-5-59, Cl. D44-15.  
Clark, Lancaster P., Jr., to Clark Metal Products, Inc. Vegetable dish. 185,066, 5-5-59, Cl. D44-15.  
Clark, Lancaster P., Jr., to Clark Metal Products, Inc. Divided vegetable dish. 185,067, 5-5-59, Cl. D44-15.  
Clark Metal Products, Inc.: See—  
Clark, Lancaster P., Jr. 185,063-185,067.  
Clark, Truman B., to The Tappan Co. Range. 185,533, 6-23-59, Cl. D81-4.  
Clark, William E. Hoop roller. 186,177, 9-22-59, Cl. D34-5.  
Clarke, Frank W. Religious flag. 184,340, 2-3-59, Cl. D29-17.  
Clary Corp.: See—  
Nessel, Jiri M. 185,385.  
Clay, Eugene O. Car top container. 186,591, 11-10-59, Cl. D14-27.  
Clay, Jeff C.: See—  
Long, John B., and Clay. 185,159.  
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Clayton, La Verne E., to Amerock Corp. Pull. 184,665, 3-24-59, Cl. D10-8.  
Clayton, La Verne E., to Amerock Corp. Pull. 184,666, 3-24-59, Cl. D10-8.  
Clayton, La Verne E., to Amerock Corp. Escutcheon plate. 185,190, 5-19-59, Cl. D50-6.  
Clayton, La Verne E., to Amerock Corp. Knob. 186,053, 9-1-59, Cl. D50-3.  
Clayton, La Verne E., to Amerock Corp. Knob. 186,787, 12-1-59, Cl. D50-3.  
Clayton, Morris. Composite minnow trap and bait bucket or the like. 185,347, 6-2-59, Cl. D31-4.  
Clayton, Richard L. Hand puppet. 185,803, 8-4-59, Cl. D34-2.  
Clemens, Charles W. Molding for a table or similar article. 184,799, 4-7-59, Cl. D54-2.  
Clement, Richard T., to General Motors Corp. Air conditioner cabinet or similar article. 185,191, 5-19-59, Cl. D62-4.  
Clemens, Roger A., and F. F. Humbarger, to Union Carbide Corp. Compressed gas cylinder handle or similar article. 185,593, 6-30-59, Cl. D78-1.  
Cleveland Skate Co., Inc., The: See—  
Reynolds, Clarence R. 186,178.  
Clever Things Inc.: See—  
Keller, John R., and Kelly. 186,018.  
Clinton, Elmer J., to Curtiss-Wright Corp. Ground trainer for aircraft personnel. 185,348, 6-2-59, Cl. D13-1.  
Clive, Robert B., and B. Waber. Book. 185,068, 5-5-59, Cl. D6-2.  
Close, Egbert B., and J. A. Patenaude, to C & P Phonoproductions, Inc. Hand operated viewer or similar article. 186,916, 12-22-59, Cl. D61-1.

## Club Aluminum Products Co.: See—

- Lilja, Ernest L. 184,232.  
Lilja, Ernest L. 186,043.  
Coats & Clark Inc.: See—  
Bacco, Stephen V. 186,250.  
Cobbledick, Carol, and R. J. Harper, to Scripto, Inc. Display box for a pen, a pencil, or the like. 184,986, 4-28-59, Cl. D80-5.  
Coca-Cola Co., The: See—  
Hodgman, Clare E. 184,482.  
Hodgman, Clare E. 184,483.  
Hodgman, Clare E. 184,999.  
Hodgman, Clare E. 185,551.  
Cockerham, Indie S., to N. Bogatin and 1/2 to M. H. Embree. Game board. 184,714, 3-31-59, Cl. D34-5.  
Cordell, Neicie S. Stringed musical instrument body. 186,688, 11-17-59, Cl. D56-1.  
Cohen, Hilda L. Hand puppet. 185,802, 8-4-59, Cl. D34-2.  
Cohen, Jacob: See—  
De Fano, Dominic J., and Kallman. 184,608.  
Cohen, Maurice. Garment hanger for a display rack. 185,534, 6-23-59, Cl. D80-10.  
Cohen, Morton R. Table leg. 185,735, 7-28-59, Cl. D33-14.  
Cohen, Morton R. Table. 186,776, 12-1-59, Cl. D33-14.  
Cohn, Bernard Co., Inc.: See—  
Chase, Herbert S. 186,258.  
Cole, Edwin L., to The Stiffel Co. Combined flower holder and base for a table lamp. 184,852, 4-14-59, Cl. D45-20.  
Cole, James D., to United Pressed Products Co. Electric vibrator. 185,192, 5-19-59, Cl. D55-1.  
Cole, James D. Paint pall. 186,195, 9-22-59, Cl. D58-17.  
Cole, Richard C., and J. A. Woodson. Boat. 186,480, 10-27-59, Cl. D71-1.  
Cole, William E., to Craxford Ltd. Combined containers and rack therefor. 185,625, 7-7-59, Cl. D44-1.  
Cole, William E., to Craxford Ltd. Canister or similar article. 185,736, 7-28-59, Cl. D44-6.  
Coleman, Howard, 3/40 to E. E. Hatton, and 3/40 to D. T. Dougherty. Airplane. 185,535, 6-23-59, Cl. D71-1.  
Collatz, George: See—  
Jackie, Erwin K., and Collatz. 186,947.  
Collins, Robert. Bag for Christmas gifts. 186,410, 10-20-59, Cl. D58-2.  
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Columbia Pen & Pencil Co., Inc.: See—  
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Columbus Auto Parts Co., The: See—  
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Klages, John W. 185,755.  
Columbus Coated Fabrics Corp.: See—  
Schuss, Philip. 185,043.  
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- Knowles, Frederick G., to Eastman Kodak Co. Motion-picture projector. 185,500, 6-16-59, Cl. D61-1.
- Knowles, Frederick G., to Eastman Kodak Co. Motion-picture camera. 185,501, 6-16-59, Cl. D61-1.
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- Knowles, Frederick G., to Eastman Kodak Co. Motion picture camera. 185,996, 8-25-59, Cl. D61-1.
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- Koch, Walter L., to Rowe Mfg. Co., Inc. General merchandising machine cabinet. 186,285, 10-6-59, Cl. D52-3.
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- Koret, Samuel. Handbag frame. 186,150, 9-15-59, Cl. D87-2.
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 Rutter, Sheldon M., and H. J. Talge, to J. C. Hockery, Trustee. Combined power-operated can opener and clock. 186,166, 9-22-59, Cl. D22-2.  
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- Zapolski, Bronislaw, to Union Carbide Corp. Spray gun unit. 186,738, 11-24-59, Cl. D62-2.
- Zdar, Robert E., and R. C. Krall, to The Weatherhead Co. Regulator or similar article. 186,925, 12-22-59, Cl. D78-1.
- Zehntner, Kurt, to Renata S. A. Box for balance wheels. 184,789, 3-31-59, Cl. D58-11.
- Zeller, Henry, and A. H. Herter. Portable fan. 184,469, 2-17-59, Cl. D26-7.
- Zenith Radio Corp.: See—  
Boldt, Melvin H. 185,731.  
Boldt, Melvin H. 185,732.  
Boldt, Melvin H. 185,986.  
Boldt, Melvin H. 186,689.  
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Boldt, Melvin H. 186,691.  
Boldt, Melvin H. 186,815.  
Criswell, Byron R. 185,740.
- Zerkowitz, Albert. Shoe sole. 185,654, 7-7-59, Cl. D7-5.
- Zerkowitz, Albert. Shoe. 186,154, 9-22-59, Cl. D7-5.
- Zerkowitz, Albert. Shoe. 186,267, 10-6-59, Cl. D7-7.
- Zervas, Peter, to Congoleum-Nalra Inc. Hard surface floor covering or similar article. 186,206, 9-22-59, Cl. D92-17.



- Ziegler, Helen M. Shirt folding board. 185,482, 6-9-59, Cl. D49-1.  
 Ziegler, Russell A. Shirt folding board. 185,483, 6-9-59, Cl. D49-1.  
 Zierhut, Harold, to Southern California Pipe & Steel Co. Playground climbing apparatus or similar article. 186,122, 9-15-59, Cl. D34-5.  
 Zimmerman, Jack. Card holding clip. 185,408, 6-2-59, Cl. D17-3.  
 Zimmermann, Herbert P.: See—  
 McCarthy, Joseph H., and Zimmermann. 184,530.  
 McCarthy, Joseph H., and Zimmermann. 185,558.  
 McCarthy, Joseph H., and Zimmermann. 185,867.  
 Zion, Moses, to The Lionel Corp. Toy culvert unloader and station. 186,527, 11-3-59, Cl. D34-15.
- Ziroll, Alfred E.: See—  
 Cagan, Bernard J., and Ziroll. 185,733.  
 Zucconi, Bruno. Impedance matching transformer or similar article. 184,470, 2-17-59, Cl. D26-15.  
 Zuckerwar, Richard, to Alexette Bacmo Corp. Glove or similar article. 185,898, 8-18-59, Cl. D3-11.  
 Zwicker Knitting Mills: See—  
 Laux, Anna M. 185,156.  
 Laux, Anna M. 185,157.  
 Zychlick, Aaron H. Soap bar holder. 185,484, 6-9-59, Cl. D4-3.  
 Zychlick, Aaron H. Soap bar holder. 186,152, 9-22-59, Cl. D4-2.  
 Zylite Products Co., Inc.: See—  
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- Armocost & Royston, Inc.: See—  
 Hartgerink, Conrad. 1,862.  
 Armstrong Nurseries, Inc.: See—  
 Gaujard, Jean. 1,829.  
 Swim, Herbert C. 1,796.  
 Swim, Herbert C. 1,809.  
 Swim, Herbert C. 1,810.  
 Swim, Herbert C. 1,814.  
 Swim, Herbert C. 1,835.  
 Swim, Herbert C. 1,846.  
 Swim, Herbert C. 1,883.  
 Swim, Herbert C. 1,884.  
 Swim, Herbert C. 1,885.  
 Bloom, Alan H. V., to The Wayde Gardens Co. Phlox paniculata. 1,817, 3-10-59, Cl. 47-60.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,797, 1-13-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 1,798, 1-13-59, Cl. 47-60.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,799, 1-13-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,803, 1-20-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 1,820, 3-17-59, Cl. 47-60.  
 Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 1,823, 3-31-59, Cl. 47-60.  
 Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 1,824, 3-31-59, Cl. 47-60.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,830, 5-5-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,833, 5-12-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,834, 5-12-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,840, 6-9-59, Cl. 47-61.  
 Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 1,850, 7-14-59, Cl. 47-61.  
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 Cumming, Roderick W. 1,876.  
 Cumming, Roderick W. 1,877.  
 Brooks, Lenard L. Azalea plant. 1,819, 3-10-59, Cl. 47-60.  
 Brooks, Lenard L. Azalea plant. 1,866, 9-22-59, Cl. 47-60.  
 Brooks, Munsey L. Rose plant. 1,825, 4-7-59, Cl. 47-61.  
 Burdick, Ernest S., 1/2 to R. B. Taylor. Macadamia tree. 1,868, 9-22-59, Cl. 47-62.  
 Byrum, Roy L., to Joseph H. Hill Co. Rose plant. 1,804, 1-27-59, Cl. 47-61.  
 Byrum, Roy L., to Joseph H. Hill Co. Rose plant. 1,807, 2-3-59, Cl. 47-61.  
 Byrum, Roy L., to Joseph H. Hill Co. Rose plant. 1,886, 12-8-59, Cl. 47-61.  
 Colombo, Ben D. Camellia plant. 1,845, 6-16-59, Cl. 47-60.  
 Columbia & Okanogan Nursery Co.: See—  
 Gilbert, Elton J. 1,822.  
 Combe, Maurice, to Ilgenfritz Nurseries, Inc. Rose plant. 1,856, 8-4-59, Cl. 47-61.  
 Conard-Pyle Co., The: See—  
 Fisher, Esther G. 1,812.  
 Hicks, Sam J. 1,802.  
 Mackay, Ian. 1,874.  
 Mackay, Ian. 1,875.  
 Mallerin, Charles. 1,847.  
 Melland, Francis. 1,821.  
 Craig, Robert Co.: See—  
 Rahbek, Frode. 1,826.  
 Cumming, Roderick W., to Bristol Nurseries, Inc. Chrysanthemum plants. 1,876, 11-3-59, Cl. 47-60.  
 Cumming, Roderick W., to Bristol Nurseries, Inc. Chrysanthemum plants. 1,877, 11-3-59, Cl. 47-60.  
 Doerr, Ervin H. Gladiolus plant. 1,890, 12-22-59, Cl. 47-60.  
 Drummond, Arthur L. Walnut tree. 1,861, 9-1-59, Cl. 47-62.  
 Dykstra, Cornelius J. Apple tree. 1,838, 6-2-59, Cl. 47-62.  
 Dymond, Lawrence B., to Kelly Brothers Nurseries, Inc. Pear tree. 1,806, 2-3-59, Cl. 47-62.  
 Ecke, Paul. Poinsettia plant. 1,802, 1-20-59, Cl. 47-60.  
 Fisher, Esther G., to The Conard-Pyle Co. Rose plant. 1,812, 2-24-59, Cl. 47-61.  
 Flad, John J., to Selected Glads, Inc. Gladiolus plant. 1,832, 5-12-59, Cl. 47-60.  
 Frazier, Loran R., and P. J. Jenkins, to E. J. Gilbert. Apple tree. 1,805, 2-3-59, Cl. 47-62.  
 Gaujard, Jean, to Armstrong Nurseries, Inc. Rose plant. 1,829, 5-5-59, Cl. 47-61.  
 Gilbert, Elton J.: See—  
 Frazier, Loran R., and Jenkins. 1,805.  
 Gilbert, Elton J., to Columbia & Okanogan Nursery Co. Apple trees. 1,822, 3-24-59, Cl. 47-62.  
 Greene, Herman L. Rose plant. 1,871, 10-6-59, Cl. 47-61.  
 Hamilton, J. D. Orchard Co., Inc.: See—  
 Hamilton, John D., Sr. 1,811.  
 Hamilton, John D., Sr., to The J. D. Hamilton Orchard Co., Inc. Red delicious apple tree. 1,811, 2-17-59, Cl. 47-62.  
 Hartgerink, Conrad, to Armocost & Royston, Inc. Rose plant. 1,862, 9-8-59, Cl. 47-61.  
 Hartman, Floyd, to J. H. and E. E. Rhoades. Strawberry plant. 1,848, 6-23-59, Cl. 47-62.  
 Hastie, Carlisle N., Jr. Camellia plant. 1,800, 1-13-59, Cl. 47-60.  
 Hemet Wholesale: See—  
 Lindquist, Robert V. 1,836.  
 Lindquist, Robert V. 1,865.  
 Lindquist, Robert V. 1,873, 10-20-59, Cl. 47-61.  
 Henderson, William H. Clematis plant. 1,878, 11-10-59, Cl. 47-60.  
 Hicks, Sam J., to The Conard-Pyle Co. Rose plant. 1,892, 12-29-59, Cl. 47-61.  
 Hill, E. G. Co., Inc.: See—  
 Jelly, Robert G. 1,887.  
 Jelly, Robert G. 1,888.  
 Hill, Joseph H., Co.: See—  
 Byrum, Roy L. 1,804.  
 Byrum, Roy L. 1,807.  
 Byrum, Roy L. 1,886.  
 Ilgenfritz Nurseries, Inc.: See—  
 Combe, Maurice. 1,856.  
 Robichon, Marcel. 1,857.  
 Robichon, Marcel. 1,859.  
 Verbeek, Gysbert. 1,863.  
 Jackson & Perkins Co.: See—  
 Boerner, Eugene S. 1,779.  
 Boerner, Eugene S. 1,797.  
 Boerner, Eugene S. 1,798.  
 Boerner, Eugene S. 1,803.  
 Boerner, Eugene S. 1,820.  
 Boerner, Eugene S. 1,823.  
 Boerner, Eugene S. 1,824.  
 Boerner, Eugene S. 1,830.  
 Boerner, Eugene S. 1,833.  
 Boerner, Eugene S. 1,834.  
 Boerner, Eugene S. 1,840.  
 Boerner, Eugene S. 1,850.  
 Boerner, Eugene S. 1,889.  
 Morey, Dennison H., Jr. 1,849.  
 Robinson, Herbert. 1,853.  
 Zombory, William and S. 1,851.  
 James, Vernon R. Camellia plant. 1,801, 1-20-59, Cl. 47-60.  
 Jelly, Robert G., to E. G. Hill Co., Inc. Rose plant. 1,887, 12-8-59, Cl. 47-61.  
 Jelly, Robert G., to E. G. Hill Co., Inc. Rose plant. 1,888, 12-8-59, Cl. 47-61.  
 Jenkins, Philip J.: See—  
 Frazier, Loran R., and Jenkins. 1,805.  
 Kazarian, Luke: See—  
 Simonian, Coche D., and Kazarian. 1,882.  
 Kelly Brothers Nurseries, Inc.: See—  
 Dymond, Lawrence B. 1,806.  
 Kerrigan, Howard. Azalea plant. 1,881, 11-24-59, Cl. 47-60.  
 Kleine, Henry. Pyracantha angustifolia plant. 1,816, 3-10-59, Cl. 47-59.  
 Kleine, Henry. European smoke tree. 1,844, 6-9-59, Cl. 47-59.  
 Kleine, Henry. Viburnum tomentosum plants. 1,891, 12-29-59, Cl. 47-59.  
 Kojakanian, Alexander, 1/2 to Aram Kojakanian. Peach tree. 1,795, 1-13-59, Cl. 47-62.  
 Kojakanian, Aram: See—  
 Kojakanian, Alexander. 1,795.  
 Kuramoto, Shigenobu. Rose plant. 1,813, 2-24-59, Cl. 47-61.  
 Le Grice, Edward B. Rosa floribunda plant. 1,792, 1-6-59, Cl. 47-61.



- Lindquist, Robert V., to Hemet Wholesale. Rose plant. 1,836, 5-26-59, Cl. 47-61.  
 Lindquist, Robert V., to Hemet Wholesale. Rose plant. 1,865, 9-15-59, Cl. 47-61.  
 Lindquist, Robert V., to Hemet Wholesale. Rose plant. 1,873, 10-20-59, Cl. 47-61.  
 Maas, Herbert A., and H. L.; said H. A. Maas assor. to said H. L. Maas. Leucophyllum plant. 1,880, 11-17-59, Cl. 47-60.  
 Maas, Herbert L.: See—  
 Maas, Herbert A. and H. L. 1,880.  
 Mackay, Ian, to The Conard-Pyle Co. Chrysanthemum plant. 1,874, 10-27-59, Cl. 47-60.  
 Mackay, Ian, to The Conard-Pyle Co. Chrysanthemum plant. 1,875, 10-27-59, Cl. 47-60.  
 Malandrone, Michele. Rose plant. 1,864, 9-15-59, Cl. 47-61.  
 Mallerin, Charles, to The Conard-Pyle Co. Rose plant. 1,847, 6-16-59, Cl. 47-61.  
 Melland, Francis, deceased, by M. L. Melland, nee Paolino, legal representative, to The Conard-Pyle Co. Rose plant. 1,821, 3-17-59, Cl. 47-61.  
 Melland, Marie L.: See—  
 Melland, Francis. 1,821.  
 Merrill, Grant. Peach tree. 1,818, 3-10-59, Cl. 47-62.  
 Merrill, Grant. Peach tree. 1,869, 9-29-59, Cl. 47-62.  
 Merrill, Grant. Peach tree. 1,870, 10-6-59, Cl. 47-62.  
 Merrill, Grant. Peach tree. 1,872, 10-13-59, Cl. 47-62.  
 Monrovia Nurseries Co.: See—  
 Skimina, Conrad. 1,841.  
 Skimina, Conrad. 1,842.  
 Skimina, Conrad. 1,843.  
 Moore, Ralph S. Miniature rose plant. 1,808, 2-10-59, Cl. 47-61.  
 Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 1,849, 6-30-59, Cl. 47-61.  
 Paolino, Marie L.: See—  
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 Peters, Geo., & Sons, Inc.: See—  
 Peters, Lincoln and N. 1,858.  
 Peters, Lincoln and N., to Geo. Peters & Sons, Inc. Rose plant. 1,858, 8-11-59, Cl. 47-61.  
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 Plant Hybridizers of California: See—  
 Silva, William E. 1,879.  
 Rabbek, Frode, to Robert Craig Co. Ficus pandurata. 1,826, 4-14-59, Cl. 47-59.  
 Restani, Albert J. Rose plant. 1,794, 1-6-59, Cl. 47-61.  
 Rhoades, Evelyn E.: See—  
 Hartman, Floyd. 1,848.  
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 Hartman, Floyd. 1,848.  
 Robichon, Marcel, to Ilgenfritz Nurseries, Inc. Rose plant. 1,857, 8-4-59, Cl. 47-61.  
 1,859, 8-18-59, Cl. 47-61.  
 Robinson, Herbert, to Jackson & Perkins Co. Rose plant. 1,853, 7-21-59, Cl. 47-61.  
 Roche, Franklin B. Plum tree. 1,867, 9-22-59, Cl. 47-62.

- Schreiner, Robert V. Iris plant. 1,793, 1-6-59, Cl. 47-60.  
 Schwoerer, John L. Camellia plant. 1,852, 7-14-59, Cl. 47-60.  
 Scott, Charles C. Avocado tree. 1,815, 3-3-59, Cl. 47-62.  
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 Flad, John J. 1,832.  
 Shepherd, Roy E., to E. C. Bosley. Rose plants. 1,828, 4-28-59, Cl. 47-61.  
 Silva, William E., to Plant Hybridizers of California. Rose plant. 1,879, 11-17-59, Cl. 47-61.  
 Simontan, Coche D., and L. Kazarian. Plum tree. 1,882, 12-1-59, Cl. 47-62.  
 Skimina, Conrad, to Monrovia Nurseries Co. Lantana plant. 1,841, 6-9-59, Cl. 47-60.  
 Skimina, Conrad, to Monrovia Nursery Co. Lantana plant. 1,842, 6-9-59, Cl. 47-60.  
 Skimina, Conrad, to Monrovia Nursery Co. Lantana plant. 1,843, 6-9-59, Cl. 47-60.  
 Spanbauer, Frank. Rose plant. 1,860, 8-18-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,796, 1-13-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,809, 2-10-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,810, 2-10-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,814, 3-3-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,835, 5-19-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,846, 6-16-59, Cl. 47-61.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Peach tree. 1,883, 12-8-59, Cl. 47-62.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Peach tree. 1,884, 12-8-59, Cl. 47-62.  
 Swim, Herbert C., to Armstrong Nurseries, Inc. Rose plant. 1,885, 12-8-59, Cl. 47-61.  
 Swim, Herbert C., and O. L. Weeks. Rose plant. 1,837, 5-26-59, Cl. 47-61.  
 Taylor, Rodney B.: See—  
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 Teague, Lee R. Strawberry plant. 1,827, 4-28-59, Cl. 47-62.  
 Tlret, Horace M. Fuchsia plant. 1,854, 7-21-59, Cl. 47-60.  
 Tlret, Horace M. Fuchsia plant. 1,855, 7-21-59, Cl. 47-60.  
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 Vukob, Stella O. Peach tree. 1,831, 5-5-59, Cl. 47-62.  
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 Bloom, Alan H. V. 1,817.  
 Weeks, O. L.: See—  
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 Williams, Horace J., to Williams & Sons, Inc. Peach tree. 1,839, 6-9-59, Cl. 47-62.  
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 Zombory, Sophia: See—  
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## CLASSIFICATION OF PATENTS

<b>Class 1</b>	56: 2,867,806 2,879,509 2,906,781 2,893,006 2,892,192 2,893,007 2,878,475 2,869,126 2,908,909 2,877,461 2,893,037 2,885,679 2,885,680 2,896,208 2,897,500 2,902,689 2,903,697 2,903,698 2,904,785 2,904,786 2,910,697 2,893,009 2,894,789 2,886,819 2,895,138 2,907,041 2,910,701 2,911,646 2,915,754 2,918,676 2,874,385 2,891,252 2,904,792 2,881,445 2,881,446 2,896,976 2,881,440 2,898,565 2,876,451 2,900,688 2,903,699 2,908,910 2,873,448 2,876,452 2,896,816 2,896,817 2,902,691 2,915,755 2,867,808 2,900,640 2,903,943 2,879,512 2,885,681 2,897,504 2,896,214 2,893,010 2,907,040 2,867,810 2,878,476	9: 2,881,442 2,881,443 2,881,444 2,890,457 2,892,195 2,904,791 2,908,911 2,909,782 2,914,769 2,903,700 2,870,446 2,871,482 2,890,458 2,891,251 2,900,639 2,901,752 2,876,454 2,877,462 2,877,463 2,877,464 2,896,217 2,898,600 2,907,045 2,879,517 2,884,642 2,881,448 2,884,643 2,884,644 2,889,556 2,900,642 2,902,693 2,905,946 2,883,668 2,907,046 2,882,531 2,895,139 2,907,047 2,873,450 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2,889,558 2,897,511 2,880,422 2,911,652 2,880,423 2,871,484 2,874,387 2,877,466 2,896,218 2,899,682 2,913,730 2,867,816 2,869,137 2,870,450 2,880,421 2,897,506 2,897,507 2,898,599 2,870,448 2,886,821 2,888,682 2,897,508 2,914,772 2,883,670 2,903,705 2,883,672 2,899,683 2,867,817 2,875,450 2,896,801 2,886,826 2,916,741 2,917,750 2,909,783	215: 2,903,706 2,873,452 2,900,643 2,903,707 2,872,685 2,897,509 2,905,947 2,884,646 2,886,825 2,905,948 2,912,699 2,918,679 2,878,481 2,890,460 2,900,784 2,871,485 2,890,461 2,902,694 2,887,689 2,882,532 2,883,673 2,899,684 2,908,913 2,902,695 2,876,456 2,914,773 2,871,486 2,903,708 2,908,013 2,879,522 2,909,785 2,908,914 2,899,690 2,875,451 2,878,486 2,891,253 2,904,793 2,896,220 2,884,647 2,885,685 2,891,254 2,911,653 2,898,403 2,912,702 2,916,742 2,912,700 2,912,701	26: 2,918,680 2,915,761 2,907,049 2,867,820 2,882,533 2,889,559 2,890,462 2,897,516 2,884,648 2,902,700 2,879,520 2,879,521 2,907,050 2,908,018 2,909,786 2,899,142 2,876,458 2,878,485 2,883,675 2,887,690 2,892,197 2,894,264 2,895,141 2,897,513 2,898,604 2,902,697 2,904,794 2,904,795 2,905,950 2,914,774 2,917,752 2,879,522 2,881,450 2,908,914 2,899,691 2,875,451 2,878,486 2,891,253 2,904,793 2,896,220 2,884,647 2,885,685 2,891,254 2,911,653 2,898,403 2,912,702 2,916,742 2,912,700 2,912,701	215: 2,903,706 2,873,452 2,900,643 2,903,707 2,872,685 2,897,509 2,905,947 2,884,646 2,886,825 2,905,948 2,912,699 2,918,679 2,878,481 2,890,460 2,900,784 2,871,485 2,890,461 2,902,694 2,887,689 2,882,532 2,883,673 2,899,684 2,908,913 2,902,695 2,876,456 2,914,773 2,871,486 2,903,708 2,908,013 2,879,522 2,909,785 2,908,914 2,899,690 2,875,451 2,878,486 2,891,253 2,904,793 2,896,220 2,884,647 2,885,685 2,891,254 2,911,653 2,898,403 2,912,702 2,916,742 2,912,700 2,912,701	26: 2,918,680 2,915,761 2,907,049 2,867,820 2,882,533 2,889,559 2,890,462 2,897,516 2,884,648 2,902,700 2,879,520 2,879,521 2,907,050 2,908,018 2,909,786 2,899,142 2,876,458 2,878,485 2,883,675 2,887,690 2,892,197 2,894,264 2,895,141 2,897,513 2,898,604 2,902,697 2,904,794 2,904,795 2,905,950 2,914,774 2,917,752 2,879,522 2,881,450 2,908,914 2,899,691 2,875,451 2,878,486 2,891,253 2,904,793 2,896,220 2,884,647 2,885,685 2,891,254 2,911,653 2,898,403 2,912,702 2,916,742 2,912,700 2,912,701	187: 2,877,468 2,883,677 2,884,649 2,885,691 2,888,664 2,889,559 2,890,462 2,897,516 2,884,648 2,902,700 2,879,520 2,908,019 2,913,733 2,914,777 2,896,222 2,878,489 2,871,487 2,880,425 2,910,704 2,884,650 2,886,829 2,896,961 2,888,685 2,913,734 2,913,735 2,898,689 2,888,686 2,901,753 2,877,469 2,903,713 2,910,705 2,873,454 2,908,915 2,875,453 2,899,690 2,901,754 2,903,714 2,909,788 2,896,223 2,890,463 2,905,951 2,915,762	<b>Class 5</b>	2: 2,869,143 2,870,459 2,886,830 2,888,687 2,899,691 2,904,796 2,909,789 2,891,255 2,894,266 2,907,053 2,876,461 2,876,462 2,878,490 2,900,646 2,913,736 2,876,463 2,878,491 2,880,426 2,897,517 2,896,982 2,871,488 2,910,706 2,911,655 2,912,704 2,887,691 2,902,701 2,870,460 2,872,688 2,873,455 2,885,692 2,913,737 2,873,456 2,917,753 2,913,738 2,894,267 2,913,300 2,918,681 2,890,427 2,899,692 2,899,693 2,873,457
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<b>Class 5—Con.</b>	<b>Class 6</b>	111: 2,866,615	20: 2,869,152	58: 5: 2,883,687	3: 11: 2,877,475	118: 2,910,710
-86: 2,891,256	2: 2,897,521	2,875,018	2,888,691	2,887,697	3: 16: 2,880,432	119: 2,899,991
2,905,952	12: 2,875,454	2,882,121	2,893,020	2,887,698	4: 2,886,837	2,899,161
2,908,916		2,893,819	2,905,954	2,887,699	2,914,784	2,877,478
90: 2,872,689	<b>Class 7</b>	2,914,374	2,888,692	2,887,701	21: 2,870,467	2,882,540
2,899,694	14: 1: 2,866,984	2,889,192	2,891,261	59: 5: 2,871,493	2,872,693	2,891,270
93: 2,870,461	14: 55: 2,873,460	2,903,328	2,896,611	79: 6: 2,891,267	2,874,395	2,892,201
2,883,678		2,869,971	2,900,648	85: 2,869,157	2,876,472	2,905,060
94: 2,869,144	<b>Class 8</b>	2,876,062	2,910,709	88: 2,893,025	2,876,473	2,907,062
2,886,831	1: 2,876,061	2,884,301	2,867,822	97: 2,905,955	2,879,529	2,880,437
98: 2,873,458	2: 2,897,039	2,892,674	2,893,021	103: 2,903,724	2,880,433	120: 2,880,437
99: 2,866,983	2,870,462	2,904,386	2,913,743	115: 6: 2,890,469	2,893,027	121: 2,903,727
2,883,679	2,897,039	2,906,592	2,903,725	120: 5: 2,883,688	2,915,766	121: 2: 2,877,479
2,896,224	3: 2,916,344	2,904,387	2,891,262	123: 2,875,456	2,879,529	2,893,030
2,901,755	4: 2,914,373	2,904,388	2,918,684	123: 3: 2,892,200	2,879,529	2,908,026
2,908,020	6: 5: 2,867,040	2,904,389		136: 2,874,394	2,907,059	2,909,797
2,908,021	2,897,040	2,904,390		142: 2,876,469	2,915,766	2,911,623
2,913,739	2,908,542	2,904,390		145: 2,898,615	2,916,751	2,917,764
100: 2,889,500	8: 2,919,172	2,907,625		146: 2,917,757	2,879,529	2,885,705
102: 2,916,744	2,910,173	2,880,054			2,879,529	2,893,031
109: 2,869,145	10: 2,904,385	2,881,046			2,879,529	2,899,697
2,884,651	12: 2,872,277	2,888,315			2,879,529	2,910,711
2,895,225	2,893,811	2,890,925			2,879,529	2,916,751
2,897,518	13: 2,908,543	2,897,041			2,879,529	2,899,162
2,908,917	2,913,301	2,886,402			2,879,529	2,899,162
2,916,745	2,913,302	2,890,926			2,879,529	2,899,162
110: 2,889,561	21: 2,869,968	2,899,972			2,879,529	2,899,162
111: 2,888,688	24: 2,892,668	2,899,972			2,879,529	2,899,162
114: 2,871,489	2,893,812	2,899,973			2,879,529	2,899,162
118: 2,869,146	25: 2,891,800	2,899,973			2,879,529	2,899,162
131: 2,877,470	28: 2,888,312	2,899,973			2,879,529	2,899,162
177: 2,897,519	32: 2,906,587	2,899,973			2,879,529	2,899,162
199: 2,916,746	34: 2,890,092	2,899,973			2,879,529	2,899,162
200: 2,906,918	2,890,093	2,899,973			2,879,529	2,899,162
202: 2,869,147	2,892,669	2,899,973			2,879,529	2,899,162
2,900,647	2,898,177	2,899,973			2,879,529	2,899,162
207: 2,895,144	2,908,544	2,899,973			2,879,529	2,899,162
210: 2,869,148	36: 2,916,345	2,899,973			2,879,529	2,899,162
231: 2,914,778	37: 2,893,813	2,899,973			2,879,529	2,899,162
236: 2,886,832	39: 2,892,670	2,899,973			2,879,529	2,899,162
238: 2,894,797	2,900,216	2,899,973			2,879,529	2,899,162
247: 2,893,018	2,892,669	2,899,973			2,879,529	2,899,162
248: 2,880,562	2,898,177	2,899,973			2,879,529	2,899,162
259: 2,877,471	2,908,544	2,899,973			2,879,529	2,899,162
260: 2,885,693	36: 2,916,345	2,899,973			2,879,529	2,899,162
279: 2,883,680	37: 2,893,813	2,899,973			2,879,529	2,899,162
286: 2,907,054	39: 2,892,670	2,899,973			2,879,529	2,899,162
303: 2,874,388	2,900,216	2,899,973			2,879,529	2,899,162
305: 2,882,535	2,892,669	2,899,973			2,879,529	2,899,162
308: 2,885,694	2,898,177	2,899,973			2,879,529	2,899,162
310: 2,911,656	2,908,544	2,899,973			2,879,529	2,899,162
317: 2,876,464	41: 2,892,671	2,899,973			2,879,529	2,899,162
2,885,695	2,898,178	2,899,973			2,879,529	2,899,162
2,891,257	2,908,544	2,899,973			2,879,529	2,899,162
2,895,145	36: 2,916,345	2,899,973			2,879,529	2,899,162
2,904,798	37: 2,893,813	2,899,973			2,879,529	2,899,162
2,913,740	39: 2,892,670	2,899,973			2,879,529	2,899,162
319: 2,878,492	2,900,216	2,899,973			2,879,529	2,899,162
2,903,715	2,892,669	2,899,973			2,879,529	2,899,162
320: 2,890,464	2,898,177	2,899,973			2,879,529	2,899,162
2,896,226	2,908,544	2,899,973			2,879,529	2,899,162
327: 2,878,493	41: 2,892,671	2,899,973			2,879,529	2,899,162
2,905,953	2,898,178	2,899,973			2,879,529	2,899,162
2,911,657	2,908,544	2,899,973			2,879,529	2,899,162
2,918,682	36: 2,916,345	2,899,973			2,879,529	2,899,162
331: 2,871,490	37: 2,893,813	2,899,973			2,879,529	2,899,162
2,891,258	39: 2,892,670	2,899,973			2,879,529	2,899,162
2,904,799	2,900,216	2,899,973			2,879,529	2,899,162
332: 2,867,821	2,892,669	2,899,973			2,879,529	2,899,162
334: 2,870,463	2,898,177	2,899,973			2,879,529	2,899,162
2,870,464	2,908,544	2,899,973			2,879,529	2,899,162
2,886,833	41: 2,892,671	2,899,973			2,879,529	2,899,162
2,907,055	2,898,178	2,899,973			2,879,529	2,899,162
337: 2,877,472	2,908,544	2,899,973			2,879,529	2,899,162
2,880,428	36: 2,916,345	2,899,973			2,879,529	2,899,162
338: 2,890,465	37: 2,893,813	2,899,973			2,879,529	2,899,162
2,896,227	39: 2,892,670	2,899,973			2,879,529	2,899,162
339: 2,884,652	2,900,216	2,899,973			2,879,529	2,899,162
2,895,146	2,892,669	2,899,973			2,879,529	2,899,162
341: 2,883,681	2,898,177	2,899,973			2,879,529	2,899,162
343: 2,907,056	2,908,544	2,899,973			2,879,529	2,899,162
2,918,683	41: 2,892,671	2,899,973			2,879,529	2,899,162
344: 2,883,682	2,898,178	2,899,973			2,879,529	2,899,162
2,898,609	2,908,544	2,899,973			2,879,529	2,899,162
2,907,057	36: 2,916,345	2,899,973			2,879,529	2,899,162
2,910,707	37: 2,893,813	2,899,973			2,879,529	2,899,162
345: 2,876,465	39: 2,892,670	2,899,973			2,879,529	2,899,162
2,878,494	2,900,216	2,899,973			2,879,529	2,899,162
2,878,495	2,892,669	2,899,973			2,879,529	2,899,162
2,881,451	2,898,177	2,899,973			2,879,529	2,899,162
2,883,683	2,908,544	2,899,973			2,879,529	2,899,162
2,901,756	41: 2,892,671	2,899,973			2,879,529	2,899,162
348: 2,886,834	2,898,178	2,899,973			2,879,529	2,899,162
2,887,692	2,908,544	2,899,973			2,879,529	2,899,162
2,897,520	36: 2,916,345	2,899,973			2,879,529	2,899,162
349: 2,872,690	37: 2,893,813	2,899,973			2,879,529	2,899,162
351: 2,874,389	39: 2,892,670	2,899,973			2,879,529	2,899,162
2,874,390	2,900,216	2,899,973			2,879,529	2,899,162
2,887,693	2,892,669	2,899,973			2,879,529	2,899,162
352: 2,879,523	2,898,177	2,899,973			2,879,529	2,899,162
354: Re. 24, 591	2,908,544	2,899,973			2,879,529	2,899,162
2,879,524	36: 2,916,345	2,899,973			2,879,529	2,899,162

164: 2,878,501	245: 2,871,498	317: 2,883,694	70: 2,880,450	2: 2,879,538	2: 7: 2,898,625	12: 2,896,253
2,900,653	2,876,478	2,885,711	2,880,451	2,881,469	2,911,672	2,897,541
2,909,799	2,876,482	2,885,712	2,897,534	2,884,657	2,902,713	2,902,714
167: 2,876,477	2,888,702	2,897,532	80: 2,908,032	2,886,844	2,903,739	2,902,715
2,879,533	2,897,529	2,910,730	82: 2,918,695	2,888,709	2,914,798	2,904,830
2,882,544	2,897,530	321: 2,909,800	82: 2,889,571	2,895,163	4: 2,873,475	2,908,037
2,883,691	2,900,656	322: 2,885,713	2,890,475	2,915,781	2,874,407	2,908,038
2,915,767	2,901,761	2,883,044	2,894,275	2,917,772	2,874,408	2,910,726
169: 2,874,399	2,901,762	2,908,030	2,914,792	3: 2,893,052	2,881,472	13: 2,874,411
172: 2,887,710	2,905,059	2,916,761	2,915,777	4: 2,913,759	2,886,847	2,879,544
176: 2,867,830	2,905,060	323: 2,867,833	2,915,778	7: 2,876,457	2,898,626	2,882,555
2,880,036	2,907,065	2,876,479	83: 2,869,171	8: 2,891,275	2,909,804	2,893,056
2,900,654	2,908,026	2,877,488	85: 2,867,837	11: 2,879,539	2,910,724	2,897,542
177: 2,908,927	2,915,769	2,883,045	2,882,547	2,891,276	2,912,717	2,897,543
178: 2,899,163	2,915,769	2,915,769	86: 2,881,496	2,908,935	5: 2,867,000	2,901,770
179: 2,899,163	2,902,705	2,915,769	2,882,548	11.1: 2,869,172	2,870,479	2,911,676
2,885,705	2,902,705	324: 2,898,621	2,899,703	2,872,699	2,872,700	2,886,721
2,885,706	2,902,705	2,915,774	2,904,820	2,876,488	2,873,476	2,908,038
2,885,707	2,902,705	325: 2,915,775	87: 2,909,802	2,894,277	2,876,492	2,913,753
2,885,708	2,902,705	2,883,046	87.4: 2,872,696	2,900,661	2,876,493	2,895,165
2,885,709	2,902,705	327: 2,867,834	89: 2,889,572	2,910,722	2,877,492	2,897,544
2,885,710	2,902,705	2,871,503	90: 2,898,623	2,914,794	2,877,493	2,916,767
2,885,711	2,902,705	2,889,570	94: 2,890,573	2,882,550	2,882,553	2,878,002
2,885,712	2,902,705	328: 2,867,835	2,893,049	2,905,966	2,884,660	2,869,173
2,885,713	2,902,705	330: 2,902,708	87.2: 2,897,535	12: 2,874,407	2,887,716	2,869,174
2,885,714	2,902,705	331: 2,876,481	87.4: 2,872,696	17: 2,888,624	2,890,493	2,871,513
2,885,715	2,902,705	2,885,714	96: 2,902,709	21: 2,883,735	2,896,250	2,885,731
2,885,716	2,902,705	333: 2,898,622	97: 2,883,697	2,897,540	2,896,251	2,886,849
2,885,717	2,902,705	338: 2,871,504	100: 2,912,714	2,900,662	2,900,662	2,894,281
2,885,718	2,902,705	339: 2,905,963	105: 2,917,771	2,900,663	2,900,663	2,894,282
2,885,719	2,902,705	340: 2,887,714	110: 2,876,486	23: 2,904,829	2,901,769	2,900,664
2,885,720	2,902,705	342: 2,883,695	111: 2,903,734	24: 2,882,551	2,903,740	2,910,727
2,885,721	2,902,705	345: 2,914,791	121: 2,877,490	25: 2,902,712	2,908,034	2,918,699
2,885,722	2,902,705	347: 2,893,047	125: 2,882,549	26: 2,886,845	2,911,673	16.5: 2,867,844
2,885,723	2,902,705	350: 2,918,694	128.1: 2,890,476	32: 2,892,211	2,913,764	2,882,556
2,885,724	2,902,705	354: 2,876,484	130: 2,885,722	34: 2,874,403	2,914,801	16.7: 2,887,845
2,885,725	2,902,705	2,878,508	131: 2,867,838	39: 2,914,794	2,917,773	2,869,177
2,885,726	2,902,705	2,885,715	139: 2,894,276	40: 2,889,576	2,918,698	2,880,459
2,885,727	2,902,705	359: 2,874,400	140: 2,873,470	41: 2,871,508	5.1: 2,907,067	2,883,704
2,885,728	2,902,705	360: 2,881,464	2,890,477	2,905,967	2,909,805	2,883,705
2,885,729	2,902,705	2,881,465	2,892,209	44.1: 2,874,404	2,915,782	2,892,213
2,885,730	2,902,705	373: 2,881,466	142: 2,872,697	45: 2,866,968	2,917,774	2,896,255
2,885,731	2,902,705	2,904,816	2,893,050	2,871,509	2,887,717	2,901,771
2,885,732	2,902,705	2,904,817	144: 2,878,510	2,887,715	2,893,054	2,904,831
2,885,733	2,902,705	388: 2,904,818	2,883,698	2,895,164	2,909,806	2,904,832
2,885,734	2,902,705	395: 2,913,756	2,890,478	2,896,249	2,916,766	2,904,833
2,885,735	2,902,705	399: 2,869,170	145: 2,874,401	2,903,737	6: 2,867,001	2,904,834
2,885,736	2,902,705	404: 2,867,836	146: 2,908,934	2,883,701	2,883,701	2,907,068
2,885,737	2,902,705	405: 2,896,246	147: 2,873,471	2,883,702	2,883,702	2,913,765
2,885,738	2,902,705	414: 2,908,933	2,885,723	2,890,484	2,908,035	2,871,514
2,885,739	2,902,705	417: 2,873,469	2,904,823	2,908,036	7: 2,885,728	2,872,704
2,885,740	2,902,705	2,880,447	153: 2,904,824	2,869,176	8: 2,869,176	2,873,477
2,885,741	2,902,705	2,883,696	2,915,780	2,867,843	2,871,511	2,875,470
2,885,742	2,902,705	2,885,716	159: 2,909,803	2,871,510	2,871,512	2,889,579
2,885,743	2,902,705	2,885,717	161: 2,890,479	2,873,474	2,873,474	2,894,283
2,885,744	2,902,705	421: 2,894,274	2,914,793	2,876,489	2,876,490	2,886,166
2,885,745	2,902,705	422: 2,893,048	163: 2,872,698	2,876,490	2,874,402	2,901,772
2,885,746	2,902,705	2,893,699	2,889,699	2,876,491	2,876,494	2,902,717
2,885,747	2,902,705	2,895,161	2,895,161	2,878,511	2,877,495	2,903,741
2,885,748	2,902,705	164: 2,870,477	2,870,477	2,881,470	2,879,542	2,903,742
2,885,749	2,902,705	2,901,766	2,901,766	2,885,727	2,879,543	2,908,039
2,885,750	2,902,705	166: 2,867,839	2,888,710	2,888,710	2,880,457	2,915,782
2,885,751	2,902,705	168: 2,867,840	2,898,575	2,889,576	2,881,473	19: 2,867,846
2,885,752	2,902,705	169: 2,904,825	2,890,481	2,890,481	2,885,729	2,878,512
2,885,753	2,902,705	171: 2,866,997	2,892,210	2,890,482	2,886,848	2,878,514
2,885,754	2,902,705	2,901,767	2,901,767	2,893,053	2,888,711	2,885,732
2,885,755	2,902,705	172: 2,885,724	2,885,724	2,899,704	2,889,577	2,888,715
2,885,756	2,902,705	176: 2,903,735	2,903,735	2,904,827	2,891,277	2,890,483
2,885,757	2,902,705	179: 2,880,452	2,880,452	2,907,066	2,891,278	2,891,280
2,885,758	2,902,705	180: 2,867,841	2,867,841	2,908,036	2,896,252	2,897,544
2,885,759	2,902,705	2,871,505	2,871,505	2,910,723	2,898,627	2,898,630
2,885,760	2,902,705	2,904,763	2,904,763	2,911,669	2,898,628	2,899,700
2,885,761	2,902,705	189: 2,867,843	2,867,843	2,912,716	2,898,629	2,900,665
2,885,762	2,902,705	190: 2,880,453	2,880,453	2,913,761	2,904,828	2,902,719
2,885,763	2,902,705	2,891,274	2,891,274	2,914,797	2,905,968	2,903,743
2,885,764	2,902,705	2,894,278	2,894,278	2,916,764	2,908,036	2,903,744
2,885,765	2,902,705	2,902,710	2,902,710	2,918,696	2,908,937	2,905,969
2,885,766	2,902,705	2,911,667	2,911,667	2,874,405	2,911,675	2,907,069
2,885,767	2,902,705	196: 2,896,248	2,896,248	2,880,454	2,911,675	2,910,728
2,885,768	2,902,705	197: 2,873,472	2,873,472	2,880,455	2,914,803	2,910,729
2,885,769	2,902,705	2,885,725	2,885,725	2,894,280	2,917,775	2,911,677
2,885,770	2,902,705	2,890,490	2,890,490	2,897,538	2,917,775	2,912,719
2,885,771	2,902,705	2,903,736	2,903,736	2,899,705	9: 2,882,554	2,875,477
2,885,772	2,902,705	202: 2,871,506	2,871,506	2,903,738	10: 2,904,829	2,881,477
2,885,773	2,902,705	2,879,537	2,879,537	2,911,671	10: 2,891,279	2,891,282
2,885,774	2,902,705	2,901,768	2,901,768	2,918,697	12: Re.24,665	2,904,830
2,885,775	2,902,705	Class 15	Class 15	2,870,480	2,900,800	2,904,830
2,885,776	2,902,705	1: 2,866,999	1: 2,866,999	2,870,481	2,900,800	2,915,788
2,885,777	2,902,705	2,867,843	2,867,843	2,874,406	2,870,481	2,869,177
2,885,778	2,902,705	2,871,510	2,871,510	2,881,471	2,872,703	2,878,512
2,885,779	2,902,705	2,873,474	2,873,474	2,884,657	2,878,512	2,885,730
2,885,780	2,902,705	2,876,489	2,876,489	2,886,848	2,887,718	2,893,055
2,885,781	2,902,705	2,876,490	2,876,490	2,888,711	2,887,719	2,903,744
2,885,782	2,902,705	2,877,495	2,877,495	2,889,577	2,887,720	2,904,833
2,885,783	2,902,705	2,878,511	2,878,511	2,891,277	2,892,212	2,908,035
2,885,784	2,902,705	2,881,470	2,881,470	2,892,212	2,892,212	2,911,677
2,885,785	2,902,705	2,885,727	2,885,727	2,894,279	2,893,055	
2,885,786	2,902,705	2,888,710	2,888,710	2,896,250		
2,885,787	2,902,705	2,890,481	2,890,481	2,898,626		
2,885,788	2,902,705	2,892,210	2,892,210	2,899,705		
2,885,789	2,902,705	2,901,767	2,901,767	2,900,665		
2,885,790	2,902,705	172: 2,885,724	2,885,724	2,901,770		
2,885,791	2,902,705	176: 2,903,735	2,903,735	2,902,715		
2,885,792	2,902,705	179: 2,880,452	2,880,452	2,903,740		
2,885,793	2,902,705	180: 2,867,841	2,867,841	2,904,835		
2,885,794	2,902,705	2,871,505	2,871,505	2,905,970		
2,885,795	2,902,705	2,904,763	2,904,763	2,907,075		
2,885,796	2,902,705	189: 2,867,843	2,867,843	2,908,080		
2,885,797	2,902,705	190: 2,880,453	2,880,453	2,909,185		
2,885,798	2,902,705	2,891,274	2,891,274	2,910,290		
2,885,799	2,902,705	2,894,278	2,894,278	2,911,395		
2,885,800	2,902,705	2,902,710	2,902,710	2,912,500		
2,885,801	2,902,705	2,911,667	2,911,667	2,913,605		
2,885,802	2,902,705	196: 2,896,248	2,896,248	2,914,710		
2,885,803	2,902,705	197: 2,873,472	2,873,472	2,915,815		
2,885,804	2,902,705	2,885,725	2,885,725	2,916,920		
2,885,805	2,902,705	2,890,490	2,890,490	2,918,025		
2,885,806	2,902,705	2,903,736	2,903,736	2,919,130		
2,885,807	2,902,705	202: 2,871,506	2,871,506	2,920,235		
2,885,808	2,902,705	2,879,537	2,879,537	2,921		



Class 19—Con.		47.5: 2,875,473	55: 2,880,581	12: 2,905,974	157: 2,879,551	7: 2,878,530	52: 2,869,184
26: 2,911,679		2,877,498	2,890,491	15: 2,905,975	2,885,742	2,900,676	2,875,479
30: 2,970,453		2,877,499	2,893,090	20: 2,901,776	2,901,779	2,908,049	2,880,587
2,871,515		2,879,546	2,896,264	35: 2,903,749	2,873,485	2,882,500	2,880,588
2,871,516		2,885,852	2,898,633	37: 2,898,635	2,876,502	2,894,292	2,880,589
2,871,517		2,887,725	2,899,709	2,898,636	2,877,505	2,900,677	2,880,590
2,872,705		2,892,216	2,899,710	52: 2,903,750	2,878,527	2,914,815	2,900,679
2,873,478		2,895,170	2,899,711	58: 2,897,850	2,897,550	2,867,854	2,901,784
2,876,495		2,898,631	2,904,843	65: 2,900,493	2,908,945	2,404,816	2,904,855
2,878,515		2,900,667	2,907,073	2,902,219	2,916,780	2,867,855	2,907,078
2,880,460		2,900,668	2,915,786	2,910,731	2,880,583	2,867,856	2,912,736
2,880,461		2,902,719	2,916,775	66: 2,867,005	2,871,519	2,872,711	2,913,781
2,881,477		2,904,838	2,916,776	2,867,851	2,878,528	2,874,420	2,869,187
2,883,706		2,907,071	2,916,777	2,873,483	2,883,710	2,881,860	2,870,494
2,883,707		2,905,971	2,877,502	2,898,176	2,887,734	2,887,734	2,876,505
2,885,734		2,913,768	2,887,727	2,908,044	2,888,718	2,888,718	2,877,513
2,886,850		2,915,785	2,891,285	2,908,045	2,890,500	2,860,500	2,877,514
2,891,282		2,916,774	2,894,288	2,910,732	2,871,520	2,860,060	2,879,559
2,892,214		2,917,777	2,913,771	2,914,809	2,871,521	2,863,070	2,883,715
2,894,284		2,917,778	2,917,782	2,914,810	2,875,477	2,895,182	2,888,719
2,894,285		2,918,701	2,899,712	2,917,785	2,877,506	2,898,642	2,880,590
2,894,286		2,877,500	2,876,496	67: Re 24,624	2,886,857	2,898,643	2,898,646
2,895,167		2,878,519	2,875,474	2,902,722	2,889,584	2,902,727	2,903,726
2,896,257		2,884,063	2,892,217	2,912,730	2,896,272	2,910,739	2,907,079
2,896,258		2,885,736	2,895,172	69: 2,883,709	2,914,812	2,910,740	2,911,689
2,902,717		2,895,171	2,897,546	70: 2,890,494	2,914,813	2,911,688	2,917,792
2,904,839		2,896,262	2,899,713	2,891,287	2,914,814	2,911,777	2,893,072
2,904,840		2,896,263	2,911,681	2,900,670	2,918,705	2,913,778	2,918,718
2,912,719		2,898,632	2,915,787	2,905,976	2,872,709	2,914,817	2,876,506
2,914,804		2,899,708	2,917,783	2,918,704	2,898,441	2,916,781	2,881,483
2,916,768		2,900,669	2,876,497	72: 2,867,548	2,888,716	2,917,789	2,885,745
2,916,770		2,902,730	2,878,521	2,904,847	2,898,716	2,918,706	2,886,863
2,917,776		2,904,840	2,878,522	2,911,684	2,898,638	2,917,522	2,888,720
33: 2,896,259		2,905,972	2,880,465	2,915,790	2,900,737	2,874,421	2,889,591
2,899,707		2,907,072	2,880,466	76: 2,893,064	2,900,737	2,885,744	2,890,230
2,899,708		2,913,769	2,894,289	79: 2,907,076	2,896,855	2,903,754	2,902,728
2,913,766		2,917,779	2,897,547	82: 2,901,777	2,895,179	2,867,857	2,902,729
35: 2,895,166		2,917,779	2,904,844	85: 2,869,181	2,896,857	2,872,712	2,905,082
2,916,771		48.8: 2,880,464	2,899,809	89: 2,876,500	2,911,686	2,877,510	2,910,742
2,916,771		2,908,042	2,909,810	93: 2,902,723	2,911,687	2,879,557	2,918,709
36: 2,880,462		2,914,807	2,914,808	98: 2,878,525	2,876,502	2,890,473	2,907,083
2,884,661		2,917,750	2,915,792	98: 2,880,467	2,877,507	2,912,725	2,907,083
2,885,735		2,917,751	2,911,682	99: 2,902,724	2,879,552	2,907,858	2,907,083
38: 2,878,516		53: 2,873,481	2,915,788	2,908,046	2,898,639	2,870,493	55: 2,909,813
2,886,851		2,891,284	2,885,738	2,912,721	2,903,752	2,871,523	56: 2,901,785
2,907,070		2,904,742	2,887,728	2,912,721	2,908,496	2,876,874	56.1: 2,900,690
39: 2,867,003		54: Re 24,689	2,888,714	104: 2,879,549	2,888,717	2,878,531	56.3: 2,917,793
2,872,706		2,867,495	2,892,218	105: 2,908,047	2,867,853	2,881,482	2,878,535
2,874,412		2,867,496	2,918,703	106: 2,910,735	2,872,710	2,883,714	2,882,562
2,880,463		2,867,496	58.6: 2,867,840	109: 2,872,708	2,886,469	2,886,861	2,883,717
2,887,722		2,869,927	2,874,418	2,886,469	2,877,508	2,887,735	2,889,662
2,890,486		2,870,073	2,876,498	2,910,736	2,877,509	2,899,718	2,896,275
2,901,773		2,875,019	2,876,499	112: 2,900,672	2,879,557	2,899,718	2,898,047
2,905,970		2,878,097	2,877,503	115: 2,896,268	2,879,557	2,901,782	2,901,786
41: 2,867,847		2,880,056	2,877,504	2,900,673	2,883,711	2,905,080	2,905,083
2,908,040		2,880,057	2,878,522	116: 2,910,778	2,885,712	2,908,040	2,905,083
42: 2,874,409		2,882,122	2,878,524	120: 2,898,637	2,887,713	2,908,948	2,873,486
2,874,413		2,883,260	2,879,548	129: 2,901,778	2,886,856	2,910,741	2,877,515
2,874,414		2,883,261	2,881,479	2,913,774	2,886,856	2,917,700	2,877,516
2,875,472		2,885,257	2,885,737	131: 2,896,260	2,886,858	2,867,859	2,880,475
2,877,497		2,886,404	2,885,738	2,896,260	2,890,498	2,869,183	2,883,718
2,878,517		2,888,318	2,886,858	2,896,261	2,893,066	2,874,422	2,885,746
2,881,478		2,890,927	2,887,729	2,896,262	2,894,290	2,877,511	2,886,864
2,884,662		2,891,836	2,888,730	2,905,977	2,896,273	2,878,532	2,887,737
2,890,487		2,891,837	2,889,632	2,911,685	2,904,849	2,880,474	2,887,738
2,890,488		2,893,820	2,893,061	2,912,722	2,904,850	2,889,585	2,894,294
2,893,058		2,893,821	2,895,173	2,916,779	2,907,077	2,893,071	2,895,184
2,894,287		2,894,802	2,895,174	134: 2,870,487	2,908,048	2,895,183	2,899,814
2,900,666		2,894,802	2,895,175	2,870,487	2,913,775	2,896,274	2,915,733
2,913,767		2,895,786	2,896,266	2,895,178	2,915,791	2,897,552	2,897,552
2,914,805		2,895,787	2,896,267	2,914,811	2,867,007	2,903,755	2,873,487
43: 2,879,545		2,895,788	2,901,775	2,875,478	2,869,182	2,904,848	2,885,719
2,916,772		2,895,789	2,902,721	2,878,529	2,878,529	2,904,852	2,887,747
45: 2,869,180		2,895,790	2,903,748	2,879,554	2,879,554	2,908,051	2,893,073
2,917,518		2,897,044	2,904,845	2,880,470	2,880,470	2,901,783	2,894,295
2,873,479		2,898,182	2,904,846	2,881,481	2,880,471	2,876,504	2,894,296
2,874,413		2,900,220	2,907,074	2,884,664	2,882,558	2,878,533	2,895,185
2,890,489		2,900,221	2,907,075	2,900,674	2,882,559	2,879,558	2,899,719
2,900,490		2,902,334	2,908,941	2,900,675	2,885,743	2,910,681	2,900,681
2,905,169		2,902,335	2,908,942	2,902,725	2,886,859	2,878,534	2,900,682
2,906,260		2,902,336	2,908,943	2,917,786	2,887,732	2,889,586	2,902,730
2,904,837		2,904,391	2,910,730	140: 2,893,065	2,890,490	2,918,708	2,908,053
2,908,940		2,906,504	2,911,683	142: Re 24,687	2,893,067	2,900,678	2,916,783
46: 2,893,059		2,907,626	2,913,772	2,897,006	2,893,068	2,904,853	58: 2,867,011
47: 2,888,316		2,908,545	2,915,789	2,873,484	2,894,291	2,886,862	2,878,536
2,903,329		2,910,341	2,913,773	2,884,665	2,895,180	2,904,854	62: 2,867,861
47.2: 2,887,723		2,912,299	59.3: 2,888,715	2,905,978	2,896,271	2,913,779	2,875,490
2,887,724		2,914,375	2,901,296	2,905,979	2,897,551	2,913,780	2,877,517
2,888,713		2,916,347	59.5: 2,893,062	2,909,811	2,898,640	2,887,736	2,892,221
2,889,580		2,916,348	60: 2,893,063	2,897,552	2,899,711	2,898,644	2,893,074
2,896,261		2,918,347	61: 2,874,419	2,898,640	2,901,781	2,867,008	2,902,731
2,908,041		2,918,348	2,875,475	2,897,549	2,902,726	2,867,009	2,905,984
2,916,773		54.7: 2,883,708	2,885,739	153: 2,870,490	2,903,753	2,890,501	2,910,743
47.3: 2,870,485		55: 2,867,004	32: 2,908,944	155: 2,878,529	2,904,855	2,894,292	2,917,794
2,878,518		2,870,486	51: 2,872,707	2,890,496	2,880,472	2,868,645	63: 2,881,484
2,892,215		2,874,417	56: 2,908,043	2,917,787	2,895,181	2,905,081	2,882,533
2,909,808		2,877,501	8: 2,896,267	2,912,723	2,879,555	2,915,792	2,900,503
2,914,806		2,878,520	2,905,973	160: 2,890,497	2,880,472	2,916,791	64: 2,872,714
47.5: 2,867,848		2,879,547	2,908,943	2,897,549	2,879,555	2,877,512	2,877,518
2,873,490		2,886,853	2,909,812	2,897,550	2,879,556		
2,874,416		2,887,726	2,910,733	2,897,551	2,879,557		

64: 2,890,476	95: 2,880,482	82: 2,892,225	214: 2,893,084	14.5: 2,890,932	38: 2,895,794	119: 2,905,532
2,892,222	2,897,865	85: 2,883,722	216: 2,871,535	2,890,933	42: 2,895,795	2,902,504
2,903,757	2,871,526	2,908,055	2,885,752	2,891,539	2,906,599	2,917,364
2,909,815	2,873,488	2,910,746	2,893,085	2,891,840	2,906,600	121: 2,893,836
2,913,782	2,879,502	2,876,510	2,897,557	2,891,841	2,891,843	2,902,343
65: 2,894,297	2,901,790	2,877,524	2,892,676	2,892,676	2,893,829	2,902,344
67: 2,900,683	109: 2,914,820	2,886,968	2,892,677	2,892,677	2,891,844	2,902,345
68: 2,900,758	117: 2,895,188	2,898,651	2,892,678	2,892,678	2,891,845	2,902,346
2,907,495	2,885,750	90: 2,871,531	2,893,823	2,893,823	2,891,846	2,902,347
2,917,796	119: 2,897,554	63: 2,905,960	2,893,824	2,893,824	2,891,847	2,902,348
69: 2,897,012	120: 2,908,646	94: 2,890,484	2,893,825	2,893,825	2,891,848	2,902,349
2,897,942	2,899,722	106: 2,874,425	2,893,826	2,893,826	2,891,849	2,902,350
2,880,477	126: 2,897,866	107: 2,915,796	2,893,827	2,893,827	2,891,850	2,902,351
2,884,695		112: 2,874,426	2,894,804	2,894,804	2,891,851	2,902,352
2,888,721	<b>Class 22</b>	113: 2,870,497	2,894,805	2,894,805	2,891,852	2,902,353
2,889,593	2: 2,895,187	2,903,761	2,894,806	2,894,806	2,891,853	2,902,354
2,891,288	9: Re. 2,84,655	116: 2,897,743	2,894,807	2,894,807	2,891,854	2,902,355
2,891,289	2,896,189	2,904,802	2,894,808	2,894,808	2,891,855	2,902,356
2,896,276	2,881,486	123: 2,908,056	2,894,809	2,894,809	2,891,856	2,902,357
2,898,648	2,899,723	129: 2,914,823	2,894,810	2,894,810	2,891,857	2,902,358
2,899,720	2,905,957	126: 2,867,870	2,894,811	2,894,811	2,891,858	2,902,359
2,899,721	10: 2,897,012	131: 2,912,729	2,894,812	2,894,812	2,891,859	2,902,360
2,902,732	2,897,521	139: 2,895,191	2,894,813	2,894,813	2,891,860	2,902,361
2,905,985	2,892,565	2,874,427	2,894,814	2,894,814	2,891,861	2,902,362
2,907,080	2,899,724	2,878,538	2,894,815	2,894,815	2,891,862	2,902,363
2,908,949	2,899,725	2,882,568	2,894,816	2,894,816	2,891,863	2,902,364
2,912,727	2,901,791	2,907,083	2,894,817	2,894,817	2,891,864	2,902,365
2,913,783	13: 2,901,792	2,910,747	2,894,818	2,894,818	2,891,865	2,902,366
2,914,819	16: 2,875,482	147: 2,867,871	2,894,819	2,894,819	2,891,866	2,902,367
2,915,710	17: 2,897,013	2,899,191	2,894,820	2,894,820	2,891,867	2,902,368
70: 2,899,185	20: 2,897,567	2,899,192	2,894,821	2,894,821	2,891,868	2,902,369
2,891,290	2,897,568	2,899,193	2,894,822	2,894,822	2,891,869	2,902,370
71: 2,896,277	2,897,569	2,899,194	2,894,823	2,894,823	2,891,870	2,902,371
72: 2,897,013	2,897,570	2,899,195	2,894,824	2,894,824	2,891,871	2,902,372
2,897,014	2,897,571	2,899,196	2,894,825	2,894,825	2,891,872	2,902,373
2,897,015	2,897,572	2,899,197	2,894,826	2,894,826	2,891,873	2,902,374
2,897,016	2,897,573	2,899,198	2,894,827	2,894,827	2,891,874	2,902,375
2,897,017	2,897,574	2,899,199	2,894,828	2,894,828	2,891,875	2,902,376
2,897,018	2,897,575	2,899,200	2,894,829	2,894,829	2,891,876	2,902,377
2,897,019	2,897,576	2,899,201	2,894,830	2,894,830	2,891,877	2,902,378
2,897,020	2,897,577	2,899,202	2,894,831	2,894,831	2,891,878	2,902,379
2,897,021	2,897,578	2,899,203	2,894,832	2,894,832	2,891,879	2,902,380
2,897,022	2,897,579	2,899,204	2,894,833	2,894,833	2,891,880	2,902,381
2,897,023	2,897,580	2,899,205	2,894,834	2,894,834	2,891,881	2,902,382
2,897,024	2,897,581	2,899,206	2,894,835	2,894,835	2,891,882	2,902,383
2,897,025	2,897,582	2,899,207	2,894,836	2,894,836	2,891,883	2,902,384
2,897,026	2,897,583	2,899,208	2,894,837	2,894,837	2,891,884	2,902,385
2,897,027	2,897,584	2,899,209	2,894,838	2,894,838	2,891,885	2,902,386
2,897,028	2,897,585	2,899,210	2,894,839	2,894,839	2,891,886	2,902,387
2,897,029	2,897,586	2,899,211	2,894,840	2,894,840	2,891,887	2,902,388
2,897,030	2,897,587	2,899,212	2,894,841	2,894,841	2,891,888	2,902,389
2,897,031	2,897,588	2,899,213	2,894,842	2,894,842	2,891,889	2,902,390
2,897,032	2,897,589	2,899,214	2,894,843	2,894,843	2,891,890	2,902,391
2,897,033	2,897,590	2,899,215	2,894,844	2,894,844	2,891,891	2,902,392
2,897,034	2,897,591	2,899,216	2,894,845	2,894,845	2,891,892	2,902,393
2,897,035	2,897,592	2,899,217	2,894,846	2,894,846	2,891,893	2,902,394
2,897,036	2,897,593	2,899,218	2,894,847	2,894,847	2,891,894	2,902,395
2,897,037	2,897,594	2,899,219	2,894,848	2,894,848	2,891,895	2,902,396
2,897,038	2,897,595	2,899,220	2,894,849	2,894,849	2,891,896	2,902,397
2,897,039	2,897,596	2,899,221	2,894,850	2,894,850	2,891,897	2,902,398
2,897,040	2,897,597	2,899,222	2,894,851	2,894,851	2,891,898	2,902,399
2,897,041	2,897,598	2,899,223	2,894,852	2,894,852	2,891,899	2,902,400
2,897,042	2,897,599	2,899,224	2,894,853	2,894,853	2,891,900	2,902,401
2,897,043	2,897,600	2,899,225	2,894,854	2,894,854	2,891,901	2,902,402
2,897,044	2,897,601	2,899,226	2,894,855	2,894,855	2,891,902	2,902,403
2,897,045	2,897,602	2,899,227	2,894,856	2,894,856	2,891,903	2,902,404
2,897,046	2,897,603	2,899,228	2,894,857	2,894,857	2,891,904	2,902,405
2,897,047	2,897,604	2,899,229	2,894,858	2,894,858	2,891,905	2,902,406
2,897,048	2,897,605	2,899,230	2,894,859	2,894,859	2,891,906	2,902,407
2,897,049	2,897,606	2,899,231	2,894,860	2,894,860	2,891,907	2,902,408
2,897,050	2,897,607	2,899,232	2,894,861	2,894,861	2,891,908	2,902,409
2,897,051	2,897,608	2,899,233	2,894,862	2,894,862	2,891,909	2,902,410
2,897,052	2,897,609	2,899,234	2,894,863	2,894,863	2,891,910	2,902,411
2,897,053	2,897,610	2,899,235	2,894,864	2,894,864	2,891,911	2,902,412
2,897,054	2,897,611	2,899,236	2,894,865	2,894,865	2,891,912	2,902,413
2,897,055	2,897,612	2,899,237	2,894,866	2,894,866	2,891,913	2,902,414
2,897,056	2,897,613	2,899,238	2,894,867	2,894,867	2,891,914	2,902,415
2,897,057	2,897,614	2,899,239	2,894,868	2,894,868	2,891,915	2,902,416
2,897,058	2,897,615	2,899,240	2,894,869	2,894,869	2,891,916	2,902,417
2,897,059	2,897,616	2,899,241	2,894,870	2,894,870	2,891,917	2,902,418
2,897,060	2,897,617	2,899,242	2,894,871	2,894,871	2,891,918	2,902,419
2,897,061	2,897,618	2,899,243	2,894,872	2,894,872	2,891,919	2,902,420
2,897,062	2,897,619	2,899,244	2,894,873	2,894,873	2,891,920	2,902,421
2,897,063	2,897,620	2,899,245	2,894,874	2,894,874	2,891,921	2,902,422
2,897,064	2,897,621	2,899,246	2,894,875	2,894,875	2,891,922	2,902,423
2,897,065	2,897,622	2,899,247	2,894,876	2,894,876	2,891,923	2,902,424
2,897,066	2,897,623	2,899,248	2,894,877	2,894,877	2,891,924	2,902,425
2,897,067	2,897,624	2,899,249	2,894,878	2,894,878	2,891,925	2,902,426
2,897,068	2,897,625	2,899,250	2,894,879	2,894,879	2,891,926	2,902,427
2,897,069	2,897,626	2,899,251	2,894,880	2,894,880	2,891,927	2,902,428
2,897,070	2,897,627	2,899,252	2,894,881	2,894,881	2,891,928	2,902,429
2,897,071	2,897,628	2,899,253	2,894,882	2,894,882	2,891,929	2,902,430
2,897,072	2,897,629	2,899,254	2,894,883	2,894,883	2,891,930	2,902,431
2,897,073	2,897,630	2,899,255	2,894,884	2,894,884	2,891,931	2,902,432
2,897,074	2,897,631	2,899,256	2,894,885	2,894,885	2,891,932	2,902,433
2,897,075	2,897,632	2,899,257	2,894,886	2,894,886	2,891,933	2,902,434
2,897,076	2,897,633	2,899,258	2,894,887	2,894,887	2,891,934	2,902,435
2,897,077	2,897,634	2,899,259	2,894,888	2,894,888	2,891,935	2,902,436
2,897,078	2,897,635	2,899,260	2,894,889	2,894,889	2,891,936	2,902,437
2,897,079	2,897,636	2,899,261	2,894,890	2,894,890	2,891,937	2,902,438
2,897,080	2,897,637	2,899,262	2,894,891	2,894,891	2,891,938	2,902,439
2,897,081	2,897,638	2,899,263	2,894,892	2,894,892	2,891,939	2,902,440
2,897,082	2,897,639	2,899,264	2,894,893	2,894,893	2,891,940	2,902,441
2,897,083	2,897,640	2,899,265	2,894,894	2,894,894	2,891,941	2,902,442
2,897,084	2,897,641	2,899,266	2,894,895	2,894,895	2,891,942	2,902,443
2,897,085	2,897,642	2,899,267	2,894,896	2,894,896	2,891,943	2,902,444
2,897,086	2,897,643	2,899,268	2,894,897	2,894,897	2,891,944	2,902,445
2,897,087	2,897,644	2,899,269	2,894,898	2,894,898	2,891,945	2,902,446
2,897,088	2,897,645	2,899,270	2,894,899	2,894,899	2,891,946	2,902,447
2,897,089	2,897,646	2,899,271	2,894,900	2,894,900	2,891,947	2,902,448
2,897,090	2,897,647	2,899,272	2,894,901	2,894,901	2,891,948	2,902,449
2,897,091	2,897,648	2,899,273	2,894,902	2,894,902	2,891,949	2,902,450
2,897,092	2,897,649	2,899,274	2,894,903	2,894,903	2,891,950	2,902,451
2,897,093	2,897,650	2,899,275	2,894,904	2,894,904	2,891,951	2,902,452
2,897,094	2,897,651	2,899,276	2,894,905	2,894,905	2,891,952	2,902,453
2,897,095	2,897,652	2,899,277	2,894,906	2,894,906	2,891,953	2,902,454
2,897,096	2,897,653	2,899,278	2,894,907	2,894,907	2,891,954	2,902,455
2,897,097	2,897,654	2,899,279	2,894,908	2,894,908	2,891,955	2,902,456
2,897,098	2,897,655	2,899,280	2,894,909	2,894,909	2,891,956	2,902,457
2,897,099	2,897,656	2,899,281	2,894,910			



Class 23—Con.		209.4: 2,911,287		262: 2,917,371		288: 2,901,331		73: 2,881,493		126: 2,881,497		205.15: 2,882,577	
184: 2,882,132		2,915,371		2,908,556		2,901,332		2,884,672		2,884,673		2,882,578	
2,884,309		2,915,372		2,900,237		2,904,410		2,885,754		2,890,510		2,887,751	
2,884,310		2,915,373		2,879,143		2,900,609		2,889,600		2,897,593		2,887,752	
2,887,364		2,915,374		2,880,077		2,909,415		2,889,601		2,901,799		2,888,728	
2,889,204		2,915,375		2,885,271		2,911,291		2,893,087		2,902,736		2,890,512	
2,908,552		2,915,376		2,895,808		2,914,387		2,894,301		2,903,771		2,901,803	
185: 2,917,368		2,915,377		2,901,324		2,915,375		2,894,302		2,913,791		2,904,868	
186: 2,869,987		2,915,378		2,907,640		2,915,376		2,897,559		2,911,099		2,905,996	
2,869,988		2,915,379		2,872,295		2,915,377		2,898,653		2,911,099		2,909,824	
2,876,073		2,915,380		2,879,144		2,915,378		2,899,729		2,911,099		2,911,099	
2,901,321		2,915,381		2,892,688		2,915,379		2,900,687		2,911,099		2,911,099	
2,915,366		2,915,382		2,893,846		2,915,380		2,904,864		2,911,099		2,911,099	
2,888,324		2,915,383		2,895,809		2,915,381		2,908,955		2,911,099		2,911,099	
2,894,820		2,915,384		2,900,238		2,915,382		2,908,956		2,911,099		2,911,099	
2,902,346		2,915,385		2,892,687		2,915,383		2,910,750		2,911,099		2,911,099	
2,904,401		2,915,386		2,892,688		2,915,384		2,910,751		2,911,099		2,911,099	
190: 2,878,103		2,915,387		2,892,689		2,915,385		2,910,752		2,911,099		2,911,099	
2,917,369		2,915,388		2,892,690		2,915,386		2,910,753		2,911,099		2,911,099	
191: 2,872,292		2,915,389		2,892,691		2,915,387		2,910,754		2,911,099		2,911,099	
2,888,325		2,915,390		2,892,692		2,915,388		2,910,755		2,911,099		2,911,099	
2,896,193		2,915,391		2,892,693		2,915,389		2,910,756		2,911,099		2,911,099	
2,910,347		2,915,392		2,892,694		2,915,390		2,910,757		2,911,099		2,911,099	
193: 2,874,029		2,915,393		2,892,695		2,915,391		2,910,758		2,911,099		2,911,099	
2,889,205		2,915,394		2,892,696		2,915,392		2,910,759		2,911,099		2,911,099	
2,890,357		2,915,395		2,892,697		2,915,393		2,910,760		2,911,099		2,911,099	
2,892,682		2,915,396		2,892,698		2,915,394		2,910,761		2,911,099		2,911,099	
196: 2,899,277		2,915,397		2,892,699		2,915,395		2,910,762		2,911,099		2,911,099	
198: 2,881,053		2,915,398		2,892,700		2,915,396		2,910,763		2,911,099		2,911,099	
2,894,821		2,915,399		2,892,701		2,915,397		2,910,764		2,911,099		2,911,099	
2,919,176		2,915,400		2,892,702		2,915,398		2,910,765		2,911,099		2,911,099	
200: 2,900,236		2,915,401		2,892,703		2,915,399		2,910,766		2,911,099		2,911,099	
2,904,402		2,915,402		2,892,704		2,915,400		2,910,767		2,911,099		2,911,099	
2,916,357		2,915,403		2,892,705		2,915,401		2,910,768		2,911,099		2,911,099	
201: 2,892,683		2,915,404		2,892,706		2,915,402		2,910,769		2,911,099		2,911,099	
2,893,840		2,915,405		2,892,707		2,915,403		2,910,770		2,911,099		2,911,099	
2,898,194		2,915,406		2,892,708		2,915,404		2,910,771		2,911,099		2,911,099	
2,912,306		2,915,407		2,892,709		2,915,405		2,910,772		2,911,099		2,911,099	
202: 2,876,074		2,915,408		2,892,710		2,915,406		2,910,773		2,911,099		2,911,099	
2,886,415		2,915,409		2,892,711		2,915,407		2,910,774		2,911,099		2,911,099	
2,899,278		2,915,410		2,892,712		2,915,408		2,910,775		2,911,099		2,911,099	
2,903,341		2,915,411		2,892,713		2,915,409		2,910,776		2,911,099		2,911,099	
2,909,409		2,915,412		2,892,714		2,915,410		2,910,777		2,911,099		2,911,099	
2,914,381		2,915,413		2,892,715		2,915,411		2,910,778		2,911,099		2,911,099	
203: 2,876,075		2,915,414		2,892,716		2,915,412		2,910,779		2,911,099		2,911,099	
2,879,138		2,915,415		2,892,717		2,915,413		2,910,780		2,911,099		2,911,099	
2,880,066		2,915,416		2,892,718		2,915,414		2,910,781		2,911,099		2,911,099	
2,907,636		2,915,417		2,892,719		2,915,415		2,910,782		2,911,099		2,911,099	
2,912,307		2,915,418		2,892,720		2,915,416		2,910,783		2,911,099		2,911,099	
204: 2,871,100		2,915,419		2,892,721		2,915,417		2,910,784		2,911,099		2,911,099	
2,880,068		2,915,420		2,892,722		2,915,418		2,910,785		2,911,099		2,911,099	
2,884,311		2,915,421		2,892,723		2,915,419		2,910,786		2,911,099		2,911,099	
2,888,326		2,915,422		2,892,724		2,915,420		2,910,787		2,911,099		2,911,099	
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2,896,195		2,915,428		2,892,730		2,915,426		2,910,793		2,911,099		2,911,099	
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2,906,605		2,915,430		2,892,732		2,915,428		2,910,795		2,911,099		2,911,099	
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2,913,312		2,915,432		2,892,734		2,915,430		2,910,797		2,911,099		2,911,099	
2,915,368		2,915,433		2,892,735		2,915,431		2,910,798		2,911,099		2,911,099	
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205: 2,876,076		2,915,435		2,892,737		2,915,433		2,910,800		2,911,099		2,911,099	
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2,901,322		2,915,440		2,892,742		2,915,438		2,910,805		2,911,099		2,911,099	
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2,919,177		2,915,442		2,892,744		2,915,440		2,910,807		2,911,099		2,911,099	
206: 2,888,329		2,915,443		2,892,745		2,915,441		2,910,808		2,911,099		2,911,099	
207: 2,867,507		2,915,444		2,892,746		2,915,442		2,910,809		2,911,099		2,911,099	
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2,883,268		2,915,457		2,892,759		2,915,455		2,910,822		2,911,099		2,911,099	
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209: 2,874,030		2,915,462		2,892,764		2,915,460		2,910,827		2,911,099		2,911,099	
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2,893,842		2,915,464		2,892,766		2,915,462		2,910,829		2,911,099		2,911,099	
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209.1: 2,915,370		2,915,467		2,892,769		2,915,465		2,910,832		2,911,099		2,911,099	
209.4: 2,867,508		2,915,468		2,892,770		2,915,466		2,910,833		2,911,099		2,911,099	
2,873,172		2,915,469		2,892,771		2,915							



**Class 22—Con.**

Class 25—Con.	1528: 2,871,557 2,871,558 2,885,777 2,901,309 2,900,715 2,906,018 529: 2,884,693 535: 2,884,693 544: 2,877,546 2,883,744 552.2: 2,878,561 2,906,019 552.4: 2,878,562 553: 2,986,886 2,917,823	121: 2,908,075 2,969,331 123: 2,869,331 124: 2,873,521 2,890,524 2,898,677 125: 2,879,599 128: 2,871,755 129: 2,873,522 130: 2,867,907 133: 2,914,849 134: 2,903,790 140: 2,873,523 151: 2,867,901 2,901,823 152: 2,869,621 155: 2,903,791 2,903,792 156: 2,914,850 161: 2,869,232 162: 2,869,233 2,900,537 2,874,462 2,885,779 2,904,884 2,896,321 164: 2,885,780 2,902,760 2,902,761 166: 2,881,519 2,908,971 168: 2,896,322 2,910,771 2,912,756 169: 2,880,505 2,895,217 170: 2,882,594 171: 2,876,537 180: 2,899,744 182: 2,873,524 200: 2,867,902 2,874,463 2,892,255 2,918,723 201: 2,869,234 2,882,595 2,896,323 2,916,830 202: 2,911,715 205: 2,867,046 2,883,744 210: 2,875,519 2,876,538 2,883,747 216: 2,882,596 227: 2,908,075 2,915,820 228: 2,877,550 2,888,744 229: 2,874,466 2,911,716 230: 2,916,822 233: 2,889,622 238: 2,900,722 240: 2,894,324 241: 2,916,823 248: 2,873,525 249: 2,915,821 250: 2,874,465 2,915,822 252: 2,869,235 253: 2,897,591 254: 2,870,538 2,873,526 2,875,520 269: 2,898,678 271: 2,885,781 272: 2,879,592 2,898,679 2,908,622 2,908,077 2,911,717 2,911,718 2,914,851 276: 2,872,732 280: 2,881,520 283: 2,877,552 2,877,551 284: 2,877,552 286: 2,882,597 291: 2,888,745 293: 2,880,506 2,906,021 2,908,972 294: 2,882,598 2,882,599 2,889,623 2,913,822 295: 2,901,824 303: 2,878,564 2,912,757 304: 2,883,748 306: 2,915,823 307: 2,880,525 314: 2,872,732	316: 2,882,598 2,888,748 317: 2,880,507 319: 2,900,723 324: 2,889,622 339: 2,877,553 347: 2,917,826 353: 2,907,108 355: 2,805,218	Class 31 14: 2,907,109 15: 2,916,824 22: 2,911,719 30: 2,884,694 32: 2,903,793 46: 2,873,523 47: 2,803,121 2,908,973 2,917,827	Class 32 2: 2,874,466 2,885,779 2,874,467 2,880,508 2,898,678 2,888,746 2,896,324 2,897,502 2,897,593 2,909,836 2,911,720 2,912,758 2,912,759 3: 2,867,903 2,897,594 4: 2,876,540 5: 2,889,625 8: 2,888,747 2,897,595 14: 2,874,468 2,880,509 2,908,974 2,915,824 15: 2,910,772 17: 2,891,311 2,901,825 19: 2,876,541 2,878,565 2,895,219 2,908,975 20: 2,874,469 2,876,542 26: 2,867,904 2,879,594 2,884,695 2,888,748 2,900,074 2,906,022 27: 2,871,502 2,873,527 2,879,595 2,898,622 2,891,312 2,894,325 2,897,596 2,908,976 2,911,721 2,917,828 2,917,829 28: 2,899,745 2,902,762 2,904,886 2,909,837 2,911,722 32: 2,884,696 2,909,837 2,911,722 33: Re. 24,693 Re. 24,755 2,873,528 2,885,782 2,905,230 35: 2,885,783 2,898,625 2,907,502 2,911,723 2,914,852 40: 2,899,746 2,902,763 48: 2,901,826 58: 2,870,538 2,875,521 60: 2,903,794 62: 2,917,830 63: 2,867,903 2,891,313 2,918,724 64: 2,897,598 66: 2,883,749 67: 2,910,773 68: 2,883,750 69: 2,907,110	1: 2,876,543 2,878,566 2,880,510 2,880,511 2,884,697 2,889,626 2,889,627 2,891,314 2,894,328 2,894,327 2,899,747 2,900,724 2,906,023 2,914,853 2,914,854 2,916,825 2: 2,869,236 2,903,795 2,915,825 3: 2,876,544 8: 2,872,734 9: 2,871,564 12: 2,885,784 18: 2,908,078 20: 2,912,761 21: 2,874,472 2,885,785 2,885,786 2,886,891 2,891,315 2,898,680 2,904,886 2,910,774 24: 2,874,473 25: 2,881,521 26: 2,882,601 27: 2,869,237 2,877,554 2,881,522 2,893,122 2,894,328 2,896,325 2,898,681 2,906,024 28: 2,878,567 2,899,748 30: 2,893,823 2,913,823 31: 2,879,596 32: 2,916,826 37: 2,881,523 41: 2,870,539 2,888,749 2,894,329 2,900,725 42: 2,898,682 46: 2,899,238 2,873,530 2,875,522 2,878,568 2,882,602 2,883,751 2,887,744 2,893,124 2,893,124 2,900,727 2,910,772 2,913,824 2,913,825 2,915,826 46.5: 2,871,565 48: 2,876,545 2,889,628 49: 2,902,764 2,904,887 50: Re. 24,692 2,876,546 2,889,629 2,896,326 2,909,838 2,911,723 2,913,826 51: 2,904,888 52: 2,911,724 56: 2,881,524 2,911,827 58: 2,871,566 61: 2,894,330 2,904,889 2,883,129 62: 2,
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## CLASSIFICATION OF PATENTS

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2,885,792  
2,887,792  
2,901,840  
2,902,780  
2,904,902  
2,904,903  
2,911,738  
2,912,772  
2,918,733  
3: 2,869,253  
2,884,716  
2,887,793  
4: 2,891,327  
2,897,610  
7.7: 2,876,563  
2,888,754

8.5: 2,878,593  
2,884,717  
2,894,338  
2,903,802  
2,909,854  
2,918,734  
10: 2,896,339  
11: 2,900,743  
14: 2,918,735  
19.5: 2,910,789  
24.5: 2,867,919  
2,901,841  
25: 2,887,799  
2,889,639  
30: 2,884,718  
2,896,340  
2,897,611  
34: 2,874,488  
2,878,594  
2,879,610  
2,885,798  
2,888,755  
2,906,039  
2,910,788  
35: 2,917,840  
2,917,841  
36: 2,875,532  
2,878,595  
37: 2,913,837  
39: 2,908,089  
40: 2,917,583  
42: 2,912,773  
45: 2,880,525  
2,915,835  
50: 2,883,771  
2,891,328  
51: 2,878,596  
58.5: 2,887,795  
2,897,612  
59: 2,888,756  
2,895,235  
66: 2,867,920  
2,878,533  
2,877,571  
71: 2,884,719  
2,887,796  
2,899,758  
2,902,781  
2,917,842  
2,917,843  
2,917,844  
2,917,845  
2,917,846  
2,917,847  
2,917,848  
2,917,849  
2,917,850  
72: 2,875,534  
2,881,539  
2,891,329  
2,894,339  
2,901,842  
2,915,836  
2,915,837  
76: 2,872,746  
77: 2,878,597  
78: 2,916,834  
Class 37  
2: 2,877,572  
2,880,526  
2,885,799  
2,895,236  
8: 2,907,124  
42: 2,867,921  
2,869,254  
2,877,573  
2,889,640  
43: 2,871,585  
2,880,527  
2,882,620  
2,889,641  
44: 2,904,904  
45: 2,911,736  
47: 2,884,720  
50: 2,879,611  
53: 2,891,330  
2,895,237  
2,900,744  
2,908,090  
54: 2,889,642  
55: 2,894,340  
58: 2,896,341  
62: 2,906,040  
73: 2,917,851  
80: 2,908,091  
2,918,738  
85: 2,867,945  
2,884,721

86: 2,888,757  
2,890,532  
90: 2,915,838  
91: 2,885,800  
97: 2,873,541  
2,879,612  
2,894,341  
2,896,342  
2,914,866  
98: 2,896,343  
2,911,735  
2,916,835  
104: 2,886,904  
2,889,759  
2,900,745  
2,911,734  
2,914,867  
105: 2,894,342  
2,906,041  
108: 2,901,843  
110: 2,896,344  
115: 2,910,789  
117.5: 2,870,551  
2,874,488  
2,878,598  
2,883,772  
2,903,803  
2,910,790  
118: 2,893,139  
124: 2,872,747  
2,891,331  
2,901,844  
2,907,125  
126: 2,882,621  
2,883,773  
2,886,758  
2,897,613  
2,904,905  
127: 2,883,774  
130: 2,891,332  
2,895,238  
132: 2,871,586  
135: 2,869,255  
2,886,905  
2,895,239  
2,904,906  
2,904,907  
142: 2,870,552  
2,874,491  
2,877,574  
2,885,801  
2,891,333  
2,896,345  
2,901,845  
2,904,908  
2,904,909  
143: 2,887,797  
2,891,334  
2,914,868  
2,916,839  
144: 2,867,922  
2,869,256  
2,907,553  
2,874,492  
2,875,535  
2,883,775  
2,901,846  
2,904,910  
2,911,733  
145: 2,869,257  
2,882,622  
2,885,802  
2,892,270  
2,897,614  
2,897,615  
2,899,760  
2,912,774  
146: 2,882,623  
2,886,906  
2,891,335  
2,915,839  
2,888,758  
153: 2,870,554  
2,881,540  
155: 2,873,542  
2,876,564  
2,883,776  
156: 2,904,911  
165: 2,893,140  
169: 2,874,490  
2,880,528  
2,881,541  
180: 2,870,555  
2,883,777  
2,900,746  
182: 2,867,047  
2,877,575  
183: 2,889,643  
184: 2,870,556  
189: 2,892,271  
2,909,855  
190: 2,877,576

Class 38  
5: 2,899,761  
12: 2,875,530  
22: 2,867,922  
44: 2,913,833  
48: 2,906,045  
52: 2,900,747  
56: 2,869,255  
58: 2,878,595  
59: 2,881,544  
66: 2,877,572  
2,880,522  
2,887,797  
2,910,790  
77: 2,871,581  
2,871,588  
2,878,600  
2,878,600  
2,880,533  
2,892,267  
2,903,808  
2,906,041  
82: 2,880,533  
97: 2,876,564  
99: 2,872,747  
104: 2,897,613  
106: 2,869,255  
107: 2,900,737  
111: 2,896,334  
117: 2,885,800  
121: 2,873,545  
2,892,267  
2,896,334  
2,908,089  
2,912,767  
2,913,838  
135: 2,888,757  
136: 2,888,757  
137: 2,906,040  
140: 2,871,585  
2,874,497  
141: 2,880,535  
143: 2,878,600  
Class 39  
5: 2,918,737  
6: 2,883,777  
7: 2,893,137  
42: 2,874,484  
92: 2,893,137  
Class 40  
1.5: 2,867,912  
2,874,481  
2,874,481  
2,877,577  
2,885,798  
2,902,772  
2,914,864  
2: 2,877,577  
2,908,089  
2.2: 2,904,904  
7: 2,867,912  
10: 2,867,912  
2,876,564  
2,880,533  
17: 2,896,339  
19: 2,890,533  
20: 2,871,581  
2,882,613  
21: 2,871,581  
2,882,613  
2,893,137  
23: 2,893,137  
25: 2,893,137  
28.1: 2,893,137



## Class 40—Con.

28.3: 2,867,049	127: 2,871,596	10: 2,886,912	25: 2,869,268	17: 2,876,579
2,871,593	2,887,801	2,887,805	2,870,562	2,887,813
2,874,496	2,888,763	2,889,649	2,873,546	2,893,156
2,890,535	2,899,262	2,892,278	2,892,779	2,897,622
31: 2,901,847	2,911,746	2,894,345	2,901,855	2,901,855
2,904,913	2,888,763	2,896,352	2,908,809	2,908,809
2,906,046	2,916,838	2,904,917	2,895,248	2,910,797
32: 2,867,050	2,871,598	2,907,130	2,903,809	2,914,879
2,876,567	2,880,536	2,910,794	2,910,795	2,917,858
2,885,805	2,882,631	2,917,852	2,897,809	2,913,846
2,886,908	2,886,911	2,881,545	2,897,621	2,887,814
2,904,913	2,887,802	2,908,095	2,899,655	2,899,655
2,906,046	2,887,803	2,890,535	2,899,656	2,893,157
36: 2,876,568	2,894,344	2,895,245	2,897,545	2,895,245
2,907,128	2,895,245	2,901,748	2,894,342	2,901,748
2,909,856	2,910,792	2,916,843	2,894,346	2,914,880
37: 2,872,749	2,917,853	2,875,543	2,894,346	2,915,845
2,890,536	2,871,599	2,887,806	2,902,788	2,898,098
2,890,537	2,877,584	2,880,541	2,897,990	2,908,101
39: 2,870,557	2,891,338	2,880,542	2,909,269	2,884,734
2,896,349	2,893,148	2,876,574	2,871,605	2,897,625
52: 2,875,537	2,915,844	2,875,539	2,874,503	2,907,133
2,878,603	2,878,606	2,890,540	2,882,639	2,888,773
53: 2,902,784	2,879,614	2,890,541	2,893,152	2,904,923
61: 2,871,594	2,882,632	2,893,150	2,901,854	2,909,865
63: 2,884,723	2,876,570	2,891,339	2,903,810	2,911,754
2,892,274	2,917,854	2,899,765	2,904,920	2,915,845
2,895,242	2,876,575	2,897,931	2,896,354	2,915,845
2,906,047	2,877,588	2,877,589	2,899,799	2,915,845
2,913,841	2,875,540	2,911,749	2,893,153	2,911,750
64: 2,888,762	2,892,277	2,874,500	2,899,767	2,914,884
65: 2,884,724	2,880,537	2,881,546	2,872,751	2,912,788
68: 2,899,762	2,876,571	2,891,340	2,876,575	2,912,788
2,903,806	2,912,776	2,893,151	2,897,620	2,912,788
70: 2,877,579	2,884,725	2,899,857	2,875,541	2,912,788
2,889,644	2,909,857	2,875,541	2,892,277	2,912,788
2,912,776	2,875,541	2,892,277	2,881,546	2,912,788
77: 2,884,725	2,899,857	2,875,541	2,892,277	2,912,788
78: 2,867,051	2,899,857	2,875,541	2,892,277	2,912,788
2,899,857	2,875,541	2,892,277	2,881,546	2,912,788
2,904,914	2,875,541	2,892,277	2,881,546	2,912,788
79: 2,874,497	2,888,764	2,899,857	2,875,541	2,912,788
2,877,580	2,888,765	2,899,857	2,875,541	2,912,788
2,878,604	2,889,645	2,899,857	2,875,541	2,912,788
2,892,146	2,899,857	2,875,541	2,892,277	2,912,788
2,915,840	2,875,541	2,892,277	2,881,546	2,912,788
86: 2,894,343	2,901,850	2,875,541	2,892,277	2,912,788
96: 2,904,915	2,906,046	2,875,541	2,892,277	2,912,788
102: 2,914,870	2,916,840	2,875,541	2,892,277	2,912,788
2,915,841	2,916,840	2,875,541	2,892,277	2,912,788
2,915,842	2,875,541	2,892,277	2,881,546	2,912,788
104: 2,885,806	2,897,618	2,899,857	2,875,541	2,912,788
2,897,618	2,902,787	2,899,857	2,875,541	2,912,788
106.1: 2,882,628	2,908,094	2,899,857	2,875,541	2,912,788
2,913,842	2,908,094	2,899,857	2,875,541	2,912,788
106.22: 2,885,807	2,911,745	2,899,857	2,875,541	2,912,788
2,911,745	2,911,745	2,899,857	2,875,541	2,912,788
2,917,852	2,899,857	2,899,857	2,875,541	2,912,788
106.25: 2,886,909	2,897,619	2,899,857	2,875,541	2,912,788
2,897,619	2,897,619	2,899,857	2,875,541	2,912,788
106.31: 2,875,538	2,875,538	2,899,857	2,875,541	2,912,788
106.41: 2,884,726	2,899,857	2,899,857	2,875,541	2,912,788
106.45: 2,909,858	2,875,538	2,899,857	2,875,541	2,912,788
106.53: 2,918,743	2,875,538	2,899,857	2,875,541	2,912,788
107: 2,914,871	2,899,857	2,899,857	2,875,541	2,912,788
108: Re.24,595	2,899,857	2,899,857	2,875,541	2,912,788
110: 2,875,538	2,899,857	2,899,857	2,875,541	2,912,788
112: 2,886,910	2,899,857	2,899,857	2,875,541	2,912,788
114: 2,876,569	2,899,857	2,899,857	2,875,541	2,912,788
2,900,749	2,899,857	2,899,857	2,875,541	2,912,788
2,903,807	2,899,857	2,899,857	2,875,541	2,912,788
2,916,837	2,899,857	2,899,857	2,875,541	2,912,788
116: 2,901,848	2,899,857	2,899,857	2,875,541	2,912,788
119: 2,877,581	2,899,857	2,899,857	2,875,541	2,912,788
120: 2,902,785	2,899,857	2,899,857	2,875,541	2,912,788
122: 2,892,275	2,899,857	2,899,857	2,875,541	2,912,788
124: 2,878,605	2,899,857	2,899,857	2,875,541	2,912,788
2,913,843	2,899,857	2,899,857	2,875,541	2,912,788
2,914,872	2,899,857	2,899,857	2,875,541	2,912,788
124.1: 2,880,534	2,899,857	2,899,857	2,875,541	2,912,788
2,882,629	2,899,857	2,899,857	2,875,541	2,912,788
2,891,336	2,899,857	2,899,857	2,875,541	2,912,788
2,892,276	2,899,857	2,899,857	2,875,541	2,912,788
125: 2,869,261	2,899,857	2,899,857	2,875,541	2,912,788
2,872,750	2,899,857	2,899,857	2,875,541	2,912,788
2,877,582	2,899,857	2,899,857	2,875,541	2,912,788
2,877,583	2,899,857	2,899,857	2,875,541	2,912,788
2,880,535	2,899,857	2,899,857	2,875,541	2,912,788
2,885,809	2,899,857	2,899,857	2,875,541	2,912,788
2,891,337	2,899,857	2,899,857	2,875,541	2,912,788
2,893,147	2,899,857	2,899,857	2,875,541	2,912,788
2,895,243	2,899,857	2,899,857	2,875,541	2,912,788
2,899,763	2,899,857	2,899,857	2,875,541	2,912,788
2,899,764	2,899,857	2,899,857	2,875,541	2,912,788
2,901,849	2,899,857	2,899,857	2,875,541	2,912,788
2,914,873	2,899,857	2,899,857	2,875,541	2,912,788
2,914,874	2,899,857	2,899,857	2,875,541	2,912,788
126: 2,870,558	2,899,857	2,899,857	2,875,541	2,912,788
2,895,244	2,899,857	2,899,857	2,875,541	2,912,788

## Class 41

1: 2,874,499

2,877,586

2,880,538

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2,889,648

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<b>Class 51—Con.</b>	250: 2,895,208	7: 2,897,642	59: 2,895,275	178: 2,917,883	370: 2,875,567	25.4: 2,897,645
170: 2,893,174	263: 2,873,563	2,911,772	2,896,384	2,918,768	371: 2,870,591	2,898,723
2,893,175	2,912,802	2,918,763	2,897,643	2,918,769	2,877,615	2,899,733
2,893,176	2,915,859	9: 2,899,670	2,899,783	2,907,587	2,911,778	2,902,814
2,893,177	2,912,802	13: 2,875,561	2,906,070	2,871,639	373: 2,913,863	2,904,947
2,898,712	2,909,294	2,910,814	2,907,154	2,883,813	374: 2,876,607	2,906,080
2,906,067	2,899,781	14: 2,892,293	2,879,637	2,885,848	2,891,367	2,906,081
2,918,761	2,914,892	2,909,782	2,890,553	2,896,830	2,902,810	2,906,082
173: 2,897,640	270: 2,878,627	2,913,800	2,899,784	2,893,187	2,910,815	2,907,163
177: 2,913,855	272: 2,867,064	2,917,876	2,904,944	2,902,808	375: 2,903,833	2,908,021
180: 2,895,266	281: 2,883,809	2,917,877	2,909,877	2,909,877	376: 2,899,791	2,908,884
184.1: 2,911,768	2,893,180	20: 2,872,760	2,909,016	2,916,864	2,900,778	2,909,885
184.4: 2,890,550	2,907,151	21: 2,895,270	2,898,715	2,918,770	377: 2,909,880	2,910,817
185: 2,879,631	2,912,803	2,895,271	2,898,716	2,878,630	378: 2,874,527	2,910,818
2,886,923	2,912,804	2,895,272	2,900,773	2,882,662	2,885,852	2,914,902
2,888,785	282: 2,876,601	2,906,122	2,899,299	2,894,362	2,911,779	2,917,890
2,899,780	2,893,181	2,908,122	2,885,844	2,909,878	379: 2,883,819	2,918,775
186: 2,887,831	2,910,812	22: 2,874,523	2,907,155	2,886,931	2,916,865	26: 2,871,644
2,889,967	283: 2,910,813	2,874,523	2,911,776	2,892,297	2,903,190	2,886,934
2,911,769	2,911,773	2,875,562	2,906,071	2,906,075	2,893,191	2,895,277
2,871,630	284: 2,890,551	2,881,873	2,907,150	2,918,771	381: 2,900,779	2,908,192
187: 2,878,625	288: 2,886,926	2,885,840	2,875,564	2,900,776	2,915,868	2,898,724
2,904,939	2,889,669	2,888,787	2,909,017	2,894,363	382: 2,871,641	2,899,880
2,914,889	289: 2,869,295	2,888,788	2,918,770	2,894,364	2,890,550	2,918,775
188: 2,867,061	291: 2,913,859	2,893,182	2,918,771	2,898,718	383: 2,902,811	2,902,811
190: 2,892,292	293: 2,882,139	2,909,298	2,909,878	2,870,588	384: 2,902,812	2,902,812
191: 2,874,519	2,900,241	2,904,418	2,912,806	2,870,589	387: 2,876,608	2,913,864
2,881,572	295: 2,881,064	2,904,419	2,917,879	2,881,577	389: 2,880,590	2,909,308
2,887,832	296: 2,875,085	2,918,764	2,917,879	2,882,663	390: 2,909,020	2,876,612
192: 2,870,582	297: 2,880,080	2,879,634	2,888,789	2,885,849	392: 2,917,888	104: 2,870,593
193: 2,867,062	298: 2,873,181	2,904,420	2,899,297	2,893,188		2,881,579
2,871,631	299: 2,876,086	2,876,087	2,871,637	2,898,719	<b>Class 54</b>	2,903,836
2,882,653	300: 2,876,086	2,876,087	2,885,841	2,903,830	71: 2,886,935	111: 2,882,669
2,882,654	301: 2,876,086	2,876,087	2,885,841	2,903,831	80: 2,871,642	2,899,794
2,885,834	302: 2,876,086	2,876,087	2,885,841	2,909,019	83: 2,907,161	2,900,083
2,886,924	303: 2,876,086	2,876,087	2,885,841	2,909,019		119: 2,867,061
2,888,116	304: 2,876,			2,917,884	<b>Class 55</b>	2,871,645
2,888,117				2,888,792	93: 2,881,581	121.44: 2,895,280
2,913,857				2,889,673		122: 2,878,634
194: 2,885,835				2,901,874	<b>Class 56</b>	126: 2,874,528
2,895,267				2,917,886	1: 2,885,833	158: 2,867,062
195: 2,867,954				2,907,720	2: 2,895,275	192: 2,878,635
2,907,146				2,912,806	7: 2,890,561	2,918,776
2,907,147				2,917,887	9: 2,867,062	194: 2,882,670
197: 2,883,806				2,918,772	14: 2,869,304	202: 2,887,839
2,900,768				2,915,867	15: 2,867,068	2,903,837
2,902,799				2,917,887	16: 2,880,561	2,910,819
2,906,068				2,918,772	18: 2,899,792	208: 2,915,870
204: 2,903,828				2,915,867	21: 2,867,958	209: 2,917,646
206: 2,875,559				2,917,887	23: 2,877,616	2,904,949
2,907,148				2,918,772	24: 2,871,643	2,913,865
2,910,810				2,915,867	25: 2,867,069	210: 2,875,568
2,913,858				2,917,887	26: 2,867,069	220: 2,909,022
207: 2,871,633				2,918,772	27: 2,867,068	221: 2,873,567
209: 2,867,063				2,915,867	28: 2,867,062	2,895,281
2,882,655				2,917,887	29: 2,867,062	235: 2,911,781
2,883,807				2,918,772	30: 2,867,062	239: 2,899,360
213: 2,904,940				2,915,867	31: 2,867,062	246: 2,913,858
214: 2,885,836				2,917,887	32: 2,867,062	249: 2,899,360
2,883,178				2,918,772	33: 2,867,062	2,912,811
2,900,769				2,915,867	34: 2,867,062	252: 2,891,371
215: 2,884,747				2,917,887	35: 2,867,062	256: 2,901,878
2,896,379				2,918,772	36: 2,867,062	294: 2,869,311
2,909,015				2,915,867	37: 2,867,062	2,867,963
2,914,890				2,917,887	38: 2,867,062	2,869,311
217: 2,882,656				2,918,772	39: 2,867,062	2,875,560
2,898,713				2,915,867	40: 2,867,062	2,877,619
218: 2,883,808				2,917,887	41: 2,867,062	2,880,077
2,887,833				2,918,772	42: 2,867,062	2,886,925
219: 2,874,520				2,915,867	43: 2,867,062	2,890,771
2,902,800				2,917,887	44: 2,867,062	2,892,298
2,907,149				2,918,772	45: 2,867,062	2,894,949
2,907,150				2,915,867	46: 2,867,062	2,897,640
2,911,770				2,917,887	47: 2,867,062	2,899,360
2,911,771				2,918,772	48: 2,867,062	2,901,879
2,915,858				2,915,867	49: 2,867,062	2,904,949
220: 2,873,562				2,917,887	50: 2,867,062	2,906,080
2,888,786				2,918,772	51: 2,867,062	2,907,163
2,902,801				2,915,867	52: 2,867,062	2,908,021
2,912,801				2,917,887	53: 2,867,062	2,909,308
221: 2,893,179				2,918,772	54: 2,867,062	2,910,817
222: 2,871,634				2,915,867	55: 2,867,062	2,911,778
2,875,560				2,917,887	56: 2,867,062	2,912,802
235: 2,877,007				2,918,772	57: 2,867,062	2,913,857
2,908,118				2,915,867	58: 2,867,062	2,914,889
236: 2,889,668				2,917,887	59: 2,867,062	2,915,859
237: 2,879,632				2,918,772	60: 2,867,062	2,916,864
2,900,770				2,915,867	61: 2,867,062	2,917,887
240: 2,896,293				2,917,887	62: 2,867,062	2,918,772
241: 2,869,293				2,918,772	63: 2,867,062	2,919,793
2,871,635				2,915,867	64: 2,867,062	2,920,804
2,877,638				2,917,887	65: 2,867,062	2,921,815
2,908,119				2,918,772	66: 2,867,062	2,922,826
2,908,120				2,915,867	67: 2,867,062	2,923,837
2,914,891				2,917,887	68: 2,867,062	2,924,848
242: 2,885,837				2,918,772	69: 2,867,062	2,925,859
243: 2,870,593				2,915,867	70: 2,867,062	2,926,870
244: 2,870,593				2,917,887	71: 2,867,062	2,927,881
2,871,636				2,918,772	72: 2,867,062	2,928,892
2,877,639				2,915,867	73: 2,867,062	2,929,903
2,908,121				2,917,887	74: 2,867,062	2,930,914
2,908,122				2,918,772	75: 2,867,062	2,931,925
2,914,892				2,915,867	76: 2,867,062	2,932,936
2,914,893				2,917,887	77: 2,867,062	2,933,947
2,914,894				2,918,772	78: 2,867,062	2,934,958
2,914,895				2,915,867	79: 2,867,062	2,935,969
2,914,896				2,917,887	80: 2,867,062	2,936,980
2,914,897				2,918,772	81: 2,867,062	2,937,991
2,914,898				2,915,867	82: 2,867,062	2,938,002
2,914,899				2,917,887	83: 2,867,062	2,939,013
2,914,900				2,918,772	84: 2,867,062	2,940,024
2,914,901				2,915,867	85: 2,867,062	2,941,035
2,914,902				2,917,887	86: 2,867,062	2,942,046
2,914,903				2,918,772	87: 2,867,062	2,943,057
2,914,904				2,915,867	88: 2,867,062	2,944,068
2,914,905				2,917,887	89: 2,867,062	2,945,079
2,914,906				2,918,772	90: 2,867,062	2,946,090
2,914,907				2,915,867	91: 2,867,062	2,947,101
2,914,908				2,917,887	92: 2,867,062	2,948,112
2,914,909				2,918,772	93: 2,867,062	2,949,123
2,914,910				2,915,867	94: 2,867,062	2,950,134
2,914,911				2,917,887	95: 2,867,062	2,951,145
2,914,912				2,918,772	96: 2,867,062	2,952,156
2,914,913				2,915,867	97: 2,867,062	2,953,167
2,914,914				2,917,887	98: 2,867,062	2,954,178
2,914,915				2,918,772	99: 2,867,062	2,955,189
2,914,916				2,915,867	100: 2,867,062	2,956,200
2,914,917				2,917,887	101: 2,867,062	2,957,211
2,914,918				2,918,772	102: 2,867,062	2,958,222
2,914,919				2,915,867	103: 2,867,062	2,959,233
2,914,920				2,917,887	104: 2,867,062	2,960,244
2,914,921				2,918,772	105: 2,867,062	2,961,255
2,914,922				2,915,867	106: 2,867,062	2,962,266
2,914,923				2,917,887	107: 2,867,062	2,963,277
2,914,924				2,918,772	108: 2,867,062	2,964,288
2,914,925				2,915,867	109: 2,867,062	2,965,299
2,914,926				2,917,887	110: 2,867,062	2,966,310
2,914,927				2,918,772	111: 2,867,062	2,967,321
2,914,928				2,915,867	112: 2,867,062	2,968,332
2,914,929				2,917,887	113: 2,867,062	2,969,343
2,914,930				2,918,772	114: 2,867,062	2,970,354
2,914,931				2,915,867	115: 2,867,062	2,971,365
2,914,932				2,917,887	116: 2,867,062	2,972,376
2,914,933				2,918,772		

364: 2,872,772	58 72: 2,873,570	Class 38	13: 2,910,826	35.6: 2,906,069	39.72: 2,908,136	54.6: 2,875,583
2,880,564	58.83: 2,867,909	1: 2,885,854	12: 2,915,757	2,906,090	2,911,791	2,876,522
2,881,580	2,870,596	21.13: 2,917,892	14: 2,903,848	2,906,091	2,912,825	2,878,646
2,896,391	2,880,567	23: 2,874,531	16: 2,918,785	2,909,032	2,913,874	2,878,647
370: 2,892,299	58 84: 2,898,728	20: 2,897,648	17: 2,900,088	2,909,894	2,914,921	2,879,645
2,899,795	58.95: 2,917,783	28: 2,883,827	19: 2,874,633	2,910,828	2,918,794	2,880,554
372: 2,916,869	60: 2,887,841	28: 2,883,827	2,880,572	2,910,829	2,881,588	2,886,950
377: 2,867,071	61: 2,887,840	28: 2,883,827	2,886,944	2,911,787	2,886,297	2,887,848
2,867,072	65: 2,903,842	28: 2,883,827	2,903,840	2,912,820	2,900,790	2,888,207
2,867,073	66: 2,887,840	28: 2,883,827	2,904,957	2,912,821	2,910,830	2,903,855
2,867,965	69: 2,882,674	28: 2,883,827	23: 2,879,641	2,914,911	39.82: 2,885,859	2,904,900
2,872,773	75: 2,882,675	34: 2,880,569	24: 2,867,973	2,914,912	2,887,649	2,908,138
2,876,613	77: 2,887,842	34: 2,880,569	2,882,678	2,914,913	2,913,875	2,909,036
2,889,678	77.3: 2,883,198	34: 2,880,569	2,885,855	2,914,914	2,867,086	2,916,882
2,892,300	77.4: 2,908,133	34: 2,880,569	2,904,308	2,914,915	2,877,624	2,916,883
2,895,855	77.45: 2,872,769	38: 2,907,787	2,907,109	2,916,872	2,886,947	2,917,900
2,896,392	81: 2,876,615	41: 2,873,572	2,907,109	2,917,884	2,887,846	59: 2,870,608
2,901,880	87: 2,886,945	41: 2,873,572	25: 2,867,974	2,918,790	2,890,137	2,872,786
2,904,950	88: 2,892,302	43: 2,907,166	27: 2,867,973	2,918,791	2,908,897	2,882,687
2,906,084	89: 2,890,564	44: 2,910,825	29: 2,873,575	39.02: 2,874,533	2,914,922	2,911,792
2,908,129	90: 2,871,650	46: 2,876,617	30: 2,886,945	39.06: 2,896,263	2,867,087	60: 2,887,849
2,909,023	91: 2,876,616	46: 2,876,617	30: 2,886,945	39.07: 2,914,917	2,867,976	62.5: 2,880,585
2,909,888	93: 2,869,316	46: 2,876,617	30: 2,886,945	39.09: 2,890,569	2,874,542	2,893,208
2,909,888	95: 2,870,579	50: 2,916,871	30: 2,886,945	2,902,824	2,877,625	67: 2,883,832
400: 2,874,529	98: 2,901,882	57.5: 2,873,573	31: 2,874,534	2,911,788	2,877,626	73: 2,867,985
2,909,024	101: 2,876,616	59: 2,872,775	32: 2,880,800	2,912,822	2,882,682	2,900,792
2,909,888	102: 2,875,573	59: 2,872,775	32: 2,880,800	2,912,822	2,885,860	2,874,543
400.01: 2,886,937	104: 2,896,395	67: 2,872,776	32: 2,880,800	2,912,822	2,886,949	2,884,706
400.04: 2,886,937	105: 2,869,317	68: 2,892,303	35.4: 2,867,081	2,912,822	2,888,801	2,901,887
400.1: 2,874,530	106: 2,867,075	80: 2,871,653	2,869,320	2,912,822	2,888,801	2,902,830
400.12: 2,891,374	107: 2,880,565	82: 2,867,078	2,874,535	2,912,822	2,888,801	2,902,831
400.16: 2,900,781	107: 2,880,565	82: 2,867,078	2,892,303	2,912,822	2,888,801	2,918,798
400.17: 2,883,820	107: 2,880,565	82: 2,867,078	2,892,303	2,912,822	2,888,801	2,867,985
400.18: 2,904,951	10	82: 2,867,078	2,892,303	2,912,822	2,888,801	2,867,985
400.19: 2,902,815	10	82: 2,867,078	2,892,303	2,912,822	2,888,801	2,867,985
473.5: 2,902,816	10	88: 2,912,818	2,896,402	2,906,092	2,909,895	2,878,648
474: 2,886,938	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
505: 2,906,085	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573	90: 2,867,079	2,896,402	2,909,895	2,910,831	2,873,579
	102: 2,875,573					



<b>Class 61—Con.</b>	14: 2,873,583	141: 2,881,598	249: 2,896,423	426: 2,887,856	13: 2,871,683	43: 2,910,848
46.5: 2,870,609	17: 2,880,591	150: 2,897,989	255: 2,888,811	429: 2,895,313	14: 2,877,633	2,910,849
2,873,580	2,887,850	151: 2,892,318	256: 2,878,653	2,914,927	2,883,839	2,917,912
2,873,581	2,894,372	152: 2,897,093	2,895,306	2,915,881	2,900,809	2,902,845
2,877,629	2,909,038	153: 2,894,374	2,897,675	2,916,775	2,901,884	2,906,110
2,878,649	2,915,881	154: 2,881,599	2,895,311	2,917,635	2,873,590	2,876,635
2,881,590	2,903,859	155: 2,882,696	2,896,955	2,918,394	2,891,394	2,891,395
2,895,300	2,916,887	2,907,180	2,897,551	2,919,098	2,892,325	2,911,807
2,892,314	2,896,415	2,909,904	2,898,812	2,920,391	2,894,380	2,913,887
2,905,301	2,909,905	2,915,882	2,900,104	2,921,790	2,918,807	2,915,887
2,906,100	2,918,802	2,920,391	2,901,804	2,922,790	2,919,098	2,915,887
2,908,141	2,920,391	2,921,790	2,902,391	2,923,790	2,920,391	2,915,887
2,909,901	2,921,790	2,922,790	2,903,790	2,924,790	2,921,790	2,915,887
2,910,848	2,922,790	2,923,790	2,904,790	2,925,790	2,922,790	2,915,887
2,911,807	2,923,790	2,924,790	2,905,790	2,926,790	2,923,790	2,915,887
2,912,828	2,924,790	2,925,790	2,906,790	2,927,790	2,924,790	2,915,887
2,913,887	2,925,790	2,926,790	2,907,790	2,928,790	2,925,790	2,915,887
2,914,927	2,926,790	2,927,790	2,908,790	2,929,790	2,926,790	2,915,887
2,915,881	2,927,790	2,928,790	2,909,790	2,930,790	2,927,790	2,915,887
2,916,887	2,928,790	2,929,790	2,910,790	2,931,790	2,928,790	2,915,887
2,917,635	2,929,790	2,930,790	2,911,790	2,932,790	2,929,790	2,915,887
2,918,394	2,930,790	2,931,790	2,912,790	2,933,790	2,930,790	2,915,887
2,919,098	2,931,790	2,932,790	2,913,790	2,934,790	2,931,790	2,915,887
2,920,391	2,932,790	2,933,790	2,914,790	2,935,790	2,932,790	2,915,887
2,921,790	2,933,790	2,934,790	2,915,790	2,936,790	2,933,790	2,915,887
2,922,790	2,934,790	2,935,790	2,916,790	2,937,790	2,934,790	2,915,887
2,923,790	2,935,790	2,936,790	2,917,790	2,938,790	2,935,790	2,915,887
2,924,790	2,936,790	2,937,790	2,918,790	2,939,790	2,936,790	2,915,887
2,925,790	2,937,790	2,938,790	2,919,790	2,940,790	2,937,790	2,915,887
2,926,790	2,938,790	2,939,790	2,920,790	2,941,790	2,938,790	2,915,887
2,927,790	2,939,790	2,940,790	2,921,790	2,942,790	2,939,790	2,915,887
2,928,790	2,940,790	2,941,790	2,922,790	2,943,790	2,940,790	2,915,887
2,929,790	2,941,790	2,942,790	2,923,790	2,944,790	2,941,790	2,915,887
2,930,790	2,942,790	2,943,790	2,924,790	2,945,790	2,942,790	2,915,887
2,931,790	2,943,790	2,944,790	2,925,790	2,946,790	2,943,790	2,915,887
2,932,790	2,944,790	2,945,790	2,926,790	2,947,790	2,944,790	2,915,887
2,933,790	2,945,790	2,946,790	2,927,790	2,948,790	2,945,790	2,915,887
2,934,790	2,946,790	2,947,790	2,928,790	2,949,790	2,946,790	2,915,887
2,935,790	2,947,790	2,948,790	2,929,790	2,950,790	2,947,790	2,915,887
2,936,790	2,948,790	2,949,790	2,930,790	2,951,790	2,948,790	2,915,887
2,937,790	2,949,790	2,950,790	2,931,790	2,952,790	2,949,790	2,915,887
2,938,790	2,950,790	2,951,790	2,932,790	2,953,790	2,950,790	2,915,887
2,939,790	2,951,790	2,952,790	2,933,790	2,954,790	2,951,790	2,915,887
2,940,790	2,952,790	2,953,790	2,934,790	2,955,790	2,952,790	2,915,887
2,941,790	2,953,790	2,954,790	2,935,790	2,956,790	2,953,790	2,915,887
2,942,790	2,954,790	2,955,790	2,936,790	2,957,790	2,954,790	2,915,887
2,943,790	2,955,790	2,956,790	2,937,790	2,958,790	2,955,790	2,915,887
2,944,790	2,956,790	2,957,790	2,938,790	2,959,790	2,956,790	2,915,887
2,945,790	2,957,790	2,958,790	2,939,790	2,960,790	2,957,790	2,915,887
2,946,790	2,958,790	2,959,790	2,940,790	2,961,790	2,958,790	2,915,887
2,947,790	2,959,790	2,960,790	2,941,790	2,962,790	2,959,790	2,915,887
2,948,790	2,960,790	2,961,790	2,942,790	2,963,790	2,960,790	2,915,887
2,949,790	2,961,790	2,962,790	2,943,790	2,964,790	2,961,790	2,915,887
2,950,790	2,962,790	2,963,790	2,944,790	2,965,790	2,962,790	2,915,887
2,951,790	2,963,790	2,964,790	2,945,790	2,966,790	2,963,790	2,915,887
2,952,790	2,964,790	2,965,790	2,946,790	2,967,790	2,964,790	2,915,887
2,953,790	2,965,790	2,966,790	2,947,790	2,968,790	2,965,790	2,915,887
2,954,790	2,966,790	2,967,790	2,948,790	2,969,790	2,966,790	2,915,887
2,955,790	2,967,790	2,968,790	2,949,790	2,970,790	2,967,790	2,915,887
2,956,790	2,968,790	2,969,790	2,950,790	2,971,790	2,968,790	2,915,887
2,957,790	2,969,790	2,970,790	2,951,790	2,972,790	2,969,790	2,915,887
2,958,790	2,970,790	2,971,790	2,952,790	2,973,790	2,970,790	2,915,887
2,959,790	2,971,790	2,972,790	2,953,790	2,974,790	2,971,790	2,915,887
2,960,790	2,972,790	2,973,790	2,954,790	2,975,790	2,972,790	2,915,887
2,961,790	2,973,790	2,974,790	2,955,790	2,976,790	2,973,790	2,915,887
2,962,790	2,974,790	2,975,790	2,956,790	2,977,790	2,974,790	2,915,887
2,963,790	2,975,790	2,976,790	2,957,790	2,978,790	2,975,790	2,915,887
2,964,790	2,976,790	2,977,790	2,958,790	2,979,790	2,976,790	2,915,887
2,965,790	2,977,790	2,978,790	2,959,790	2,980,790	2,977,790	2,915,887
2,966,790	2,978,790	2,979,790	2,960,790	2,981,790	2,978,790	2,915,887
2,967,790	2,979,790	2,980,790	2,961,790	2,982,790	2,979,790	2,915,887
2,968,790	2,980,790	2,981,790	2,962,790	2,983,790	2,980,790	2,915,887
2,969,790	2,981,790	2,982,790	2,963,790	2,984,790	2,981,790	2,915,887
2,970,790	2,982,790	2,983,790	2,964,790	2,985,790	2,982,790	2,915,887
2,971,790	2,983,790	2,984,790	2,965,790	2,986,790	2,983,790	2,915,887
2,972,790	2,984,790	2,985,790	2,966,790	2,987,790	2,984,790	2,915,887
2,973,790	2,985,790	2,986,790	2,967,790	2,988,790	2,985,790	2,915,887
2,974,790	2,986,790	2,987,790	2,968,790	2,989,790	2,986,790	2,915,887
2,975,790	2,987,790	2,988,790	2,969,790	2,990,790	2,987,790	2,915,887
2,976,790	2,988,790	2,989,790	2,970,790	2,991,790	2,988,790	2,915,887
2,977,790	2,989,790	2,990,790	2,971,790	2,992,790	2,989,790	2,915,887
2,978,790	2,990,790	2,991,790	2,972,790	2,993,790	2,990,790	2,915,887
2,979,790	2,991,790	2,992,790	2,973,790	2,994,790	2,991,790	2,915,887
2,980,790	2,992,790	2,993,790	2,974,790	2,995,790	2,992,790	2,915,887
2,981,790	2,993,790	2,994,790	2,975,790	2,996,790	2,993,790	2,915,887
2,982,790	2,994,790	2,995,790	2,976,790	2,997,790	2,994,790	2,915,887
2,983,790	2,995,790	2,996,790	2,977,790	2,998,790	2,995,790	2,915,887
2,984,790	2,996,790	2,997,790	2,978,790	2,999,790	2,996,790	2,915,887
2,985,790	2,997,790	2,998,790	2,979,790	3,000,790	2,997,790	2,915,887
2,986,790	2,998,790	2,999,790	2,980,790	3,001,790	2,998,790	2,915,887
2,987,790	2,999,790	3,000,790	2,981,790	3,002,790	2,999,790	2,915,887
2,988,790	3,000,790	3,001,790	2,982,790	3,003,790	3,000,790	2,915,887
2,989,790	3,001,790	3,002,790	2,983,790	3,004,790	3,001,790	2,915,887
2,990,790	3,002,790	3,003,790	2,984,790	3,005,790	3,002,790	2,915,887
2,991,790	3,003,790	3,004,790	2,985,790	3,006,790	3,003,790	2,915,887
2,992,790	3,004,790	3,005,790	2,986,790	3,007,790	3,004,790	2,915,887
2,993,790	3,005,790	3,006,790	2,987,790	3,008,790	3,005,790	2,915,887
2,994,790	3,006,790	3,007,790	2,988,790	3,009,790	3,006,790	2,915,887
2,995,790	3,007,790	3,008,790	2,989,790	3,010,790	3,007,790	2,915,887
2,996,790	3,008,790	3,009,790	2,990,790	3,011,790	3,008,790	2,915,887
2,997,790	3,009,790	3,010,790	2,991,790	3,012,790	3,009,790	2,915,887
2,998,790	3,010,790	3,011,790	2,992,790	3,013,790	3,010,790	2,915,887
2,999,790	3,011,790	3,012,790	2,993,790	3,014,790	3,011,790	2,915,887
3,000,790	3,012,790	3,013,790	2,994,790	3,015,790	3,012,790	2,915,887
3,001,790	3,013,790	3,014,790	2,995,790	3,016,790	3,013,790	2,915,887
3,002,790	3,014,790	3,015,790	2,996,790	3,017,790	3,014,790	2,915,887
3,003,790	3,015,790	3,016,790	2,997,790	3,018,790	3,015,790	2,915,887
3,004,790	3,016,790	3,017,790	2,998,790	3,019,790	3,016,790	2,915,887
3,005,790	3,017,790	3,018,790	2,999,790	3,020,790	3,017,790	2,915,887
3,006,790	3,018,790	3,019,790	3,000,790	3,021,790	3,018,790	2,915,887
3,007,790	3,019,790	3,020,790	3,001,790	3,022,790	3,019,790	2,915,887
3,008,790	3,020,790	3,021,790	3,002,790	3,023,790	3,020,790	2,915,887
3,009,790	3,021,790	3,022,790	3,003,790	3,024,790	3,021,790	2,915,887
3,010,790	3,022,790	3,023,790	3,004,790	3,025,790	3,022,790	2,915,887
3,011,790	3,023,790	3,024,790	3,005,790	3,026,790	3,023,790	2,915,887
3,012,790	3,024,790	3,025,790	3,006,790	3,027,790	3,024,790	2,915,887
3,013,790	3,025,790	3,026,790	3,007,790	3,028,790	3,025,790	2,915,887
3,014,790	3,026,790					



Class 73—Con.	368.2: 2,868,017	2: 2,913,906	10: 2,878,680	88: 2,877,654	220: 2,884,706	390: 2,869,382
212: 2,870,632	368.3: 2,901,908	5: 2,898,765	2,909,066	2,890,500	2,878,684	2,881,627
213: 2,870,633	2,901,909	2,900,822	2,910,874	2,902,809	2,900,937	2,912,872
2,872,810	2,907,210	2,915,902	2,912,866	2,910,876	2,917,935	2,912,873
2,886,958	2,913,904	2,915,902	2,909,933	2,900,829	2,908,027	2,904,407
2,899,824	2,915,900	2,917,925	2,911,836	2,905,003	2,870,641	2,911,843
215: 2,890,587	368.4: 2,880,614	2,874,577	2,900,828	2,911,836	2,870,641	2,902,873
218: 2,913,901	371: 2,870,636	2,884,787	2,883,865	2,883,865	2,874,582	2,899,387
219: 2,882,736	374: 2,879,666	2,887,884	2,894,399	2,894,399	2,900,135	2,884,800
221: 2,876,641	379: 2,897,674	2,895,338	2,894,400	2,894,400	2,883,873	2,902,225
223: 2,868,014	382: 2,899,826	2,907,212	2,873,610	2,873,610	2,891,411	2,915,915
228: 2,873,606	384: 2,901,909	2,912,822	2,909,934	2,887,888	2,900,075	2,899,839
2,899,707	385: 2,918,821	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,892,348	388: 2,887,881	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,896,453	389: 2,905,000	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,897,672	393: 2,894,392	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,917,922	395: 2,881,617	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
229: 2,906,121	398: 2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
230: 2,870,634	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
231: 2,882,727	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
233: 2,886,909	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,900,819	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
262: 2,911,827	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
278: 2,884,782	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
279: 2,874,569	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
281: 2,912,859	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
290: 2,883,861	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,884,783	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
293: 2,912,820	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
295: 2,894,390	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
299: 2,870,635	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,884,784	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
301: 2,910,868	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,912,861	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
303: 2,883,862	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
304: 2,867,120	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,868,015	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,869,368	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,872,811	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,874,570	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,882,728	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,884,785	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,896,454	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,899,825	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,908,166	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,910,869	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,911,829	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,918,818	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
309: 2,911,830	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
313: 2,887,880	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,906,122	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
317: 2,882,729	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,889,708	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
321: 2,902,859	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,904,998	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
325: 2,908,016	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
328: 2,871,700	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
331: 2,882,730	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,917,923	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
334: 2,917,924	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
335: 2,873,607	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
336: 2,874,571	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
336.5: 2,897,673	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,913,902	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
338.3: 2,915,898	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
338.6: 2,894,391	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
341: 2,875,613	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,907,209	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
342: 2,900,820	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
343: 2,878,673	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,901,907	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
400: 2,902,860	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,911,831	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
403: Re.24,620	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
345: 2,914,947	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
349: 2,900,821	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
352: 2,916,915	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
355: 2,869,369	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,886,970	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,909,994	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,912,862	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
358: 2,873,608	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,873,609	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,873,633	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,893,244	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,909,925	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
359: 2,884,786	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
360: 2,877,650	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
361: 2,871,701	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,876,742	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
362: 2,909,926	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
363: 2,881,616	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
363.3: 2,893,245	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
363.7: 2,918,819	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
363.9: 2,918,820	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
368: 2,875,614	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,892,349	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617
2,903,890	2,897,115	2,912,822	2,914,952	2,887,893	2,899,840	2,873,617

424.8: 2,905,012	473: 2,906,140	535: 2,871,721	665: 2,885,907	730: 2,917,949	822: Re.24,700	60: 2,870,005
2,907,223	2,910,885	2,908,185	2,888,839	2,917,950	2,870,656	2,900,248
2,907,224	2,910,885	536: 2,885,905	2,892,302	731: 2,913,931	2,874,591	2,902,358
2,910,883	475: 2,905,016	538: 2,863,262	2,896,475	732: 2,897,136	2,882,758	63: 2,912,321
2,913,930	476: 2,887,808	2,918,829	2,890,843	2,899,718	2,915,922	64: 2,914,397
2,915,913	478: 2,873,616	539: 2,873,641	2,900,844	2,893,267	823: 2,902,889	2,913,382
425: 2,899,387	479: 2,881,634	2,903,907	2,902,886	2,907,232	826: 2,900,849	64: 2,899,295
2,881,629	480: 2,872,829	2,905,024	2,903,911	2,917,951	Class 75	66: 2,879,157
2,884,800	2,881,635	540: 2,872,830	2,898,187	740: 2,890,603	.5: 2,867,524	67: 2,867,527
2,907,225	2,901,918	2,897,686	2,910,889	2,911,856	2,867,524	68: 2,882,142
426: 2,911,846	2,910,886	545: 2,887,899	2,912,883	745: 2,896,982	2,870,000	2,908,952
434: 2,888,833	2,912,877	2,899,839	2,916,948	2,895,349	2,873,033	2,914,398
2,881,630	482: 2,906,141	2,899,840	2,907,229	2,882,754	2,878,113	2,895,821
2,908,775	483: 2,888,835	548: 2,873,617	2,908,188	2,882,755	2,879,154	75: 2,899,951
2,902,878	484: 2,871,717	2,899,841	2,878,901	2,902,887	2,881,067	2,899,296
2,917,959	2,875,667	552: 2,881,638	2,908,189	2,903,913	2,884,319	82: 2,879,151
436: 2,868,032	2,875,638	2,894,413	2,911,851	751: 2,877,097	2,892,697	2,902,355
2,870,647	2,892,359	2,909,941	2,871,725	2,881,642	2,893,859	84: 2,870,006
2,887,807	2,896,470	2,913,923	2,873,621	2,884,812	2,900,244	2,873,184
2,915,828	2,896,471	553: 2,898,777	2,882,751	2,882,751	2,900,245	2,873,185
440: 2,868,033	487: 2,905,034	562: 2,871,732	2,883,881	752: 2,889,199	2,902,357	2,902,700
2,880,625	488: 2,874,587	562.5: 2,890,597	2,884,809	2,890,604	2,905,547	2,901,342
2,896,466	2,905,017	2,914,961	2,885,908	2,890,605	2,914,393	2,902,360
2,902,879	491: 2,894,411	564: 2,910,888	2,890,600	2,891,421	2,916,373	2,904,427
2,911,847	2,896,472	2,915,917	2,892,363	2,900,847	1: 2,885,280	2,904,428
441: 2,903,902	493: 2,876,654	565: 2,876,655	2,893,265	2,901,924	2,890,949	2,905,548
443: 2,867,130	2,883,877	566: 2,893,263	2,893,266	754: 2,895,036	2,905,545	2,905,549
2,869,388	2,888,826	567: 2,871,723	2,901,921	2,884,813	2,905,546	2,905,550
457: 2,894,409	2,889,714	568: 2,887,000	2,903,912	2,891,422	3: 2,867,525	84.1: 2,868,636
458: 2,885,903	2,895,345	2,878,088	2,905,025	2,896,478	2,871,151	2,877,109
459: 2,882,742	2,901,930	2,887,901	2,909,942	757: 2,897,691	2,879,155	2,899,429
2,891,414	2,903,904	2,888,837	2,911,852	758: 2,873,623	2,884,320	2,890,110
2,865,343	2,905,018	569: 2,877,092	2,911,853	759: 2,873,624	2,885,341	2,892,701
459.5: 2,896,467	2,910,887	2,908,186	2,883,882	2,873,624	2,885,342	2,894,832
462: 2,899,389	496: 2,883,878	570: 2,900,838	2,881,640	2,892,365	2,914,394	2,899,297
469: 2,900,836	498: 2,890,595	571: 2,892,360	2,899,843	2,899,846	4: 2,915,364	2,899,298
2,907,226	499: 2,870,650	2,900,839	2,892,361	2,912,884	5: 2,883,278	2,905,551
470: 2,881,631	2,885,904	572: 2,879,674	2,899,397	2,914,967	2,895,818	2,905,552
471: 2,877,660	2,896,473	2,914,962	2,891,419	761: Re.24,724	2,911,295	2,906,618
2,890,833	2,906,142	573: 2,882,745	2,897,688	2,902,888	2,914,396	2,914,399
2,903,903	2,916,945	2,882,746	2,901,922	763: 2,873,625	6: 2,869,999	2,917,382
472: 2,912,873	501: 2,871,718	2,886,979	2,907,230	765: 2,869,400	7: 2,913,331	2,918,366
2,897,131	2,874,588	2,902,883	2,914,965	2,873,626	8: 2,867,526	2,885,281
2,867,132	2,913,922	2,915,918	2,917,948	766: 2,910,892	2,870,001	2,890,111
2,909,360	502: 2,877,659	574: 2,878,689	2,869,398	768: 2,900,848	2,870,002	2,913,332
2,870,648	2,899,836	2,882,747	2,874,590	769: 2,917,726	10: 2,875,034	2,890,112
2,870,649	2,912,878	2,898,777	2,880,627	777: 2,870,654	2,890,109	2,874,039
2,871,716	503: 2,869,391	2,905,022	2,889,715	780: 2,885,909	2,899,294	2,874,040
2,874,586	2,871,719	2,913,925	2,890,601	2,896,985	2,904,426	2,875,038
2,875,633	2,877,661	575: 2,900,840	2,894,415	2,912,885	2,907,651	2,880,084
2,875,634	2,891,415	579: 2,890,598	2,897,689	781: 2,896,479	2,909,422	2,882,143
2,875,635	504: 2,875,639	2,901,418	2,899,844	785: 2,895,037	12: 2,886,428	2,882,144
2,875,636	2,883,879	2,903,908	2,901,923	2,870,655	13: 2,894,831	2,889,220
2,881,633	2,917,942	580: 2,877,693	2,908,190	2,884,814	2,914,396	2,889,221
2,882,743	507: 2,891,416	2,894,414	2,909,943	2,893,269	20: 2,890,950	2,890,112
2,883,876	509: 2,908,182	581: 2,882,748	2,908,190	2,915,832	2,895,819	2,890,953
2,884,801	2,909,079	2,903,909	2,909,944	786: 2,891,423	23: 2,868,635	2,891,857
2,888,834	512: 2,869,392	589: 2,900,841	2,900,602	788: 2,877,699	26: 2,876,091	2,903,350
2,893,261	2,882,744	2,902,884	2,894,415	2,912,885	2,892,698	2,910,337
2,893,344	2,884,803	590: 2,915,919	2,897,687	2,901,925	2,900,246	2,913,353
2,896,468	513: 2,868,035	594.4: 2,897,687	2,899,842	792: 2,905,023	2,899,424	2,915,383
2,899,834	2,884,804	595: 2,917,946	2,901,945	796: 2,908,038	2,915,379	2,915,384
2,901,917	2,901,417	600: 2,867,134	2,911,854	2,874,592	27: 2,889,218	2,916,374
2,902,880	2,903,905	603: 2,887,902	2,907,231	2,878,692	30: 2,878,114	88: 2,912,322
2,905,013	2,908,183	604: 2,880,626	2,913,927	2,886,989	2,901,341	93: 2,915,386
2,905,014	2,916,946	2,914,963	2,915,920	2,905,026	33: 2,880,083	97: 2,887,373
2,907,227	516: 2,869,393	606: 2,883,880	2,889,717	2,913,932	34: 2,870,003	2,901,343
2,908,181	2,907,228	2,888,838	2,876,657	798: 2,868,039	2,874,037	2,901,344
2,909,077	518: 2,899,837	608: 2,874,589	2,876,658	2,875,646	2,875,035	101: 2,872,306
2,909,078	519: 2,917,720	609: 2,875,642	2,876,659	2,896,480	2,877,106	2,875,039
2,910,884	2,917,943	611: 2,912,882	2,894,416	2,909,944	2,912,320	2,893,863
2,911,848	2,896,474	612: 2,913,926	2,913,929	2,882,757	35: 2,873,183	105: 2,884,322
2,911,849	2,908,184	625: 2,882,749	2,918,830	2,885,885	36: 2,877,108	108: 2,910,334
2,912,874	524: 2,881,636	2,885,906	2,918,831	2,893,268	2,900,248	2,910,334
2,912,875	525: 2,912,879	2,887,903	2,918,832	804: 2,884,815	2,876,092	2,913,335
2,913,921	526: 2,893,346	2,900,842	2,888,884	2,908,191	41: 2,918,365	2,913,336
2,915,914	2,905,020	2,902,885	2,886,980	805: 2,874,594	42: 2,919,185	2,915,388
2,916,932	2,911,850	2,916,947	2,896,778	810: 2,880,628	45: 2,875,036	2,915,389
2,916,933	2,912,880	640: 2,906,143	2,898,779	2,886,987	2,892,699	109: 2,867,528
2,916,934	2,914,990	645: 2,873,618	2,899,845	2,909,080	2,875,037	111: 2,877,110
2,916,935	2,917,944	2,875,643	2,918,833	812: 2,910,894	48: 2,895,820	118: 2,867,529
2,916,936	527: 2,869,395	2,876,656	2,918,834	813: 2,871,727	49: 2,893,860	120: 2,874,041
2,916,937	2,909,940	2,882,750	2,918,835	2,890,606	51: 2,884,321	121: 2,875,040
2,916,938	528: 2,869,396	2,884,806	2,918,836	2,908,192	2,906,616	122: 2,883,280
2,916,940	529: 2,875,640	2,903,910	2,889,690	814: 2,888,843	2,906,617	122.5: 2,885,283
2,916,942	2,903,906	650: 2,873,619	2,874,591	815: 2,915,921	52: 2,878,115	2,867,530
2,916,943	2,905,021	655: 2,880,599	2,874,592	816: 2,898,780	2,889,219	2,872,307
2,916,944	531: 2,867,133	664: 2,893,264	2,874,593	817: 2,885,910	2,893,861	2,872,308
2,917,940	2,879,673	665: 2,871,724	2,874,594	820: 2,888,781	2,915,380	2,873,186
473: 2,884,802	2,881,637	2,872,831	2,910,891	821: 2,903,914	53: 2,879,156	2,875,041
2,892,358	2,884,805	2,873,620	2,913,930	2,876,660	2,881,068	2,886,430
2,894,410	2,890,596	2,875,644	2,896,476	2,876,661	2,907,652	2,888,343
2,896,469	2,894,412	2,877,664	2,878,690	2,883,886	55: 2,915,381	2,890,954
2,897,685	2,895,347	2,879,675	2,886,981	2,887,905	56: 2,874,038	2,897,077
2,902,881	2,915,916	2,884,807	2,888,842	2,916,950	2,883,279	2,901,347
2,906,138	532: 2,917,945					
2,906,139	533: 2,902,882					



## Class 75—Con.

<b>Class 75—Con.</b>		175.5: 2,899,303 2,918,367 176: 2,883,283 2,884,324 177: 2,872,310 178: 2,899,303 2,909,429 2,919,186 123: 2,867,531 2,871,117 2,883,281 2,914,400 124: 2,868,637 2,873,157 2,885,284 2,885,285 2,892,702 2,897,078 2,900,250 2,901,346 2,905,553 2,908,564 2,916,375 2,919,187 125: 2,868,638 2,891,858 2,908,565 2,867,532 2,875,042 2,876,006 2,880,085 2,890,113 2,890,955 2,909,425 2,914,400 128: 2,888,344 2,888,345 2,891,859 2,892,703 2,894,833 2,909,426 2,919,188 129: 2,913,337 2,873,188 2,877,111 2,889,222 2,894,834 130.5: 2,867,533 2,871,118 2,889,223 133: 2,910,355 2,909,427 134: 2,872,309 2,875,043 2,886,431 135: 2,911,297 2,919,189 138: 2,885,286 2,886,432 141: 2,870,008 2,915,390 142: 2,915,391 147: 2,908,566 153: 2,879,159 157: 2,887,374 157.5: 2,887,375 159: 2,891,860 2,911,298 161: 2,874,042 2,908,567 162: 2,907,653 168: 2,882,145 2,906,619 2,919,190 170: 2,880,086 2,894,835 2,899,301 2,899,302 2,900,251 2,908,568 2,910,356 171: 2,868,639 2,900,252 2,900,253 2,907,662 2,901,347 2,909,428 2,912,323 172: 2,890,114 2,903,352 2,903,353 2,877,112 174: 2,881,069 2,882,146 2,883,282 2,907,654 175.5: 2,867,534 2,868,640 2,880,087 2,880,088 2,880,089 2,884,323 2,892,704 2,892,705 2,892,706 2,893,804	2,899,303 2,918,367 2,883,283 2,884,324 2,872,310 2,899,303 2,909,429 2,919,186 2,912,334 2,872,311 2,894,836 2,904,430 2,894,837 2,895,822 2,894,838 2,899,299 2,908,569 2,914,402 2,892,707 2,877,113 2,883,284 2,895,823 2,872,312 2,894,839 2,886,433 2,889,224 2,900,254 2,902,363 2,902,364 2,903,364 2,917,383 2,917,384 2,918,368 2,876,097 2,877,114 2,885,287  <b>Class 76</b> 4: 2,914,968 5: 2,875,647 2,883,887 2,909,945 24: 2,897,692 31: 2,868,041 2,871,728 2,885,911 2,895,350 2,896,481 2,900,850 36: 2,898,782 37: 2,894,418 40: 2,870,657 41: 2,875,648 43: 2,899,847 48: 2,899,848 78: 2,889,720 2,895,351 82: 2,871,729 84: 2,896,482 85: 2,911,857 89.2: 2,888,844 90: 2,912,886 101: 2,867,137 2,896,477 2,900,851 2,917,952 102: 2,883,888 103: 2,884,816 2,894,419 104: 2,868,042 107: 2,873,627 2,875,649 2,879,676 2,882,759 2,885,913 2,899,849  <b>Class 77</b> 3: 2,867,138 2,867,139 2,870,658 2,876,662 2,877,671 2,878,693 2,880,629 2,882,760 2,887,906 2,889,721 2,891,424 2,902,890 2,903,915 2,903,916 2,903,917 2,909,081 2,909,946 2,909,947 2,916,951 4: 2,869,401 2,880,620 2,889,722 2,901,927 2,905,027 2,905,028	5: 2,878,694 2,883,889 2,887,907 2,891,425 2,891,426 2,894,430 2,907,233 2,909,948 6: 2,876,663 2,900,082 7: 2,868,043 2,879,677 2,880,723 2,899,850 2,917,953 11: 2,887,908 2,887,909 13: 2,871,730 2,909,949 2,910,895 19: 2,909,083 2,887,907 20: 2,887,910 21: 2,873,628 2,875,650 2,910,896 22: 2,884,818 2,886,988 2,897,693 2,918,893 25: 2,897,659 2,893,270 2,911,858 2,914,969 2,915,923 26: 2,877,670 2,913,933 27: 2,898,783 28: 2,874,596 2,882,761 2,889,724 32: 2,893,271 2,906,144 32.2: 2,870,660 2,873,629 32.3: 2,869,402 2,903,918 32.4: 2,885,914 32.5: 2,893,272 32.7: 2,883,890 2,893,273 33.1: 2,913,934 33.4: 2,887,911 33.5: 2,873,630 2,876,664 2,884,819 2,901,928 2,909,084 2,915,924 34.4: 2,899,403 2,903,276 2,895,352 34.5: 2,898,784 2,902,891 34.6: 2,902,891 2,895,353 42: 2,881,643 2,911,859 55: 2,868,044 2,873,631 2,882,762 2,883,891 2,891,427 2,891,428 2,893,274 2,909,085 2,911,860 2,915,925 58: 2,867,140 2,869,404 2,871,731 2,873,632 2,874,597 2,878,695 2,882,763 2,883,892 2,901,929 2,913,935 59: 2,879,678 60: 2,882,764 61: 2,887,912 62: 2,874,598 2,877,672 2,877,673 2,877,674 2,880,631 2,881,644 2,884,820 2,886,989 2,890,607 2,897,694 2,898,783 2,903,919 2,903,920 2,915,926		63: 2,879,679 2,881,645 2,884,821 2,893,275 2,902,892 2,914,970 64: 2,871,732 2,874,599 2,880,632 2,885,915 2,887,913 2,895,354 2,905,029 65: 2,891,4
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## CLASSIFICATION OF PATENTS

1.15: 2.896,491	2: 2.892,376	3: 2.878,714	14: 2.911,881	24: 2.889,741	57: 2.887,009	1.7: 2.870,678
2.897,709	2.900,893	2.880,643	2.912,895	2.890,621	2.889,745	2.871,762
2.900,092	2.898,056	2.881,654	2.915,938	2.891,442	2.890,622	2.874,614
2.911,871	2.870,696	2.882,782	2.915,939	2.891,443	2.892,381	2.876,795
1.16: 2.892,371	2.878,709	2.882,783	2.915,940	2.894,428	2.893,290	2.882,795
1.19: 2.906,157	2.887,002	2.882,784	2.916,961	2.895,377	2.894,430	2.884,837
2.907,244	2.896,494	2.884,829	15: 2.900,567	2.896,378	2.894,431	2.889,747
2.913,948	2.903,938	2.884,830	16: 2.905,064	2.896,505	2.895,379	2.900,874
1.24: Re 24,743	2.914,983	2.887,927	2.907,672	2.899,890	2.896,506	2.906,200
2.879,683	2.915,934	2.888,855	2.872,841	2.900,899	2.897,723	2.912,903
2.903,040	2.918,840	2.880,734	2.873,645	2.901,941	2.897,724	2.913,960
1.25: 2.871,745	3: 2.908,196	2.889,735	2.883,902	2.903,942	2.897,725	2.915,945
2.887,000	2.882,780	2.891,437	2.883,903	2.903,941	2.898,808	2.916,969
2.892,372	2.898,797	2.896,495	2.888,855	2.903,943	2.899,887	2.927,011
2.892,373	2.909,957	2.896,499	2.889,738	2.905,051	2.899,888	2.927,846
1.26: 2.916,957	8.1: 2.905,044	2.898,799	2.890,618	2.905,052	2.900,171	2.899,864
2.916,958	8.3: 2.870,667	2.907,246	2.891,439	2.909,097	2.906,172	8: 2.907,250
1.28: 2.897,710	8.6: 2.875,663	2.907,247	2.891,440	2.911,884	2.906,173	12: 2.872,847
2.900,861	2.888,852	2.908,197	2.905,048	2.912,900	2.906,174	14: 2.895,078
94: 2.876,670	8.8: 2.883,899	2.908,198	2.905,049	2.915,941	2.907,248	2.870,679
2.879,684	2.894,425	2.909,858	2.906,162	2.918,844	2.908,199	2.872,848
95: 2.880,639	8.9: 2.900,864	2.909,959	2.906,163	2.898,896	2.910,914	2.900,875
2.880,640	9: 2.877,681	2.911,876	2.912,896	2.899,421	2.913,956	2.915,946
2.882,778	10: 2.887,925	2.911,877	2.912,897	2.887,096	2.913,957	16: 2.915,946
2.884,827	11: 2.895,399	2.911,878	2.912,898	2.890,621	2.915,942	17: 2.907,680
97: 2.916,959	28: 2.874,903	2.915,935	2.882,788	2.916,964	2.916,966	26: 2.889,745
170: 2.910,906	2.875,664	2.915,936	2.901,939	2.899,421	2.916,967	27: 2.882,797
171: 2.912,894	30: 2.908,057	2.915,937	2.910,911	2.871,760	2.917,761	2.895,381
173: 2.911,872	2.875,665	2.917,967	2.911,882	2.878,719	2.874,612	33: 2.873,649
204: 2.917,961	32: 2.870,698	2.904,590	2.913,954	2.880,647	2.882,792	2.875,671
217: 2.888,851	2.871,759	2.917,968	2.871,754	2.899,742	2.892,380	2.889,749
225: 2.911,873	2.888,853	2.880,733	2.881,655	2.898,739	2.896,507	2.889,750
230: 2.909,093	2.880,733	2.896,495	2.890,619	2.909,098	2.896,508	2.899,865
237: 2.905,041	2.901,438	2.911,878	2.891,441	2.909,962	2.899,863	2.905,056
240: 2.874,601	2.917,968	2.880,616	2.895,374	2.914,985	2.914,987	2.910,917
242: 2.917,962	33: 2.880,741	2.870,670	2.896,503	2.916,965	2.915,943	2.915,947
243: 2.873,638	35: 2.880,741	2.895,372	2.898,804	2.885,927	2.908,076	34: 2.870,681
254: 2.870,665	2.913,950	2.898,804	2.900,870	2.887,097	2.908,077	2.874,615
260: 2.902,895	36: 2.894,426	2.897,149	2.906,164	2.905,053	2.892,382	2.879,751
282: 2.901,637	2.895,370	2.898,059	2.916,962	2.906,169	2.892,383	2.890,625
297: 2.892,374	2.896,496	2.898,060	2.918,842	2.909,963	2.876,676	2.895,382
302: 2.877,678	2.900,865	2.898,061	2.918,843	2.870,673	2.882,793	35: 2.870,682
307: 2.905,042	2.903,939	2.898,062	2.881,657	2.884,833	2.900,872	2.915,946
312: 2.889,732	2.906,159	2.898,063	2.896,504	2.884,834	2.910,915	36: 2.871,763
2.914,982	2.913,951	2.899,414	2.905,050	2.905,051	2.913,958	37: 2.868,800
2.918,837	2.913,952	2.899,415	2.906,165	2.872,844	2.884,835	2.877,659
313: 2.893,282	2.877,682	2.899,416	2.872,842	2.876,674	2.900,623	2.898,811
2.897,711	2.887,003	2.899,417	2.874,607	2.883,906	2.907,249	2.898,812
315: 2.906,158	2.887,926	2.899,418	2.883,904	2.883,907	2.881,662	37.5: 2.889,752
318: 2.903,935	2.898,798	2.870,671	2.885,925	2.883,908	2.887,930	2.899,866
337: 2.884,828	2.905,045	2.871,755	2.885,926	2.887,007	2.869,424	2.915,948
331: 2.910,907	2.913,953	2.871,756	2.895,375	2.889,743	2.876,675	40: 2.870,683
337: 2.892,375	2.918,841	2.871,757	2.897,719	2.891,444	2.871,761	2.905,057
2.898,704	45: 2.914,984	2.873,644	2.901,940	2.902,900	2.895,380	2.906,176
339: 2.909,064	2.871,751	2.874,605	2.909,965	2.906,170	2.916,967	41: 2.870,679
363: 2.915,933	2.871,752	2.874,606	2.911,883	2.889,744	2.869,425	2.881,664
376: 2.902,896	2.873,641	2.874,608	2.912,899	2.897,721	2.873,647	2.892,384
377: 2.877,679	2.881,652	2.875,666	2.912,899	2.897,721	2.897,726	2.903,945
382: 2.867,146	49: 2.887,004	2.877,667	2.912,899	2.891,445	2.902,902	2.913,961
2.887,001	50: 2.872,839	2.878,715	2.879,688	2.894,429	2.903,944	43: 2.872,690
384: 2.883,898	62: 2.879,686	2.878,716	2.880,644	2.910,912	2.882,791	2.917,972
397: 2.903,936	1: 2.867,147	2.881,656	2.882,785	18.4: 2.893,287	2.870,674	2.875,725
398: 2.890,614	2.873,642	2.882,786	2.882,786	2.909,066	2.880,648	2.880,651
2.917,964	2.874,604	2.882,787	2.882,787	18.7: 2.875,667	2.891,446	2.897,727
403: 2.898,795	2.892,377	2.883,901	2.883,901	18.9: 2.898,805	2.896,496	2.915,944
404: 2.873,639	2.892,377	2.884,831	2.884,831	2.900,868	2.899,861	2.877,686
2.898,796	10: 2.890,615	2.885,922	2.885,922	2.901,942	2.901,942	2.878,726
2.902,897	2.897,713	2.885,923	2.885,923	2.901,943	2.903,945	2.914,988
405: 2.871,745	20: 2.893,285	2.886,928	2.886,928	2.903,946	2.909,099	2.905,056
2.873,640	2.897,714	2.887,928	2.887,928	2.910,913	2.910,913	2.910,913
409: 2.874,602	23: 2.898,058	2.889,736	2.889,736	2.908,072	2.875,669	105: 2.914,989
411: 2.893,283	2.916,960	2.890,737	2.890,737	2.916,963	2.878,720	106: 2.881,663
413: Re 24,733	2.899,413	2.891,438	2.891,438	2.893,289	2.893,289	2.890,624
422: 2.893,284	2.899,413	2.891,438	2.891,438	2.901,944	2.901,944	108: 2.916,968
2.896,492	1: 2.870,669	2.892,373	2.892,373	2.893,288	2.893,288	112: 2.887,010
2.903,043	2.887,005	2.893,273	2.893,273	2.875,668	2.875,668	Class 89
423: 2.885,921	2.876,671	2.894,429	2.894,429	2.878,717	2.878,717	1: 2.870,675
426: 2.900,862	2.876,672	2.895,373	2.895,373	2.878,718	2.878,718	2.873,645
439: 2.911,874	2.876,673	2.896,501	2.896,501	2.879,692	2.879,692	2.889,753
440: 2.913,949	2.876,673	2.896,502	2.896,502	2.880,646	2.880,646	2.882,794
456: 2.871,747	12: 2.888,854	2.897,717	2.897,717	2.881,658	2.881,658	161: 2.883,911
2.871,748	14: 2.896,497	2.897,718	2.897,718	2.882,792	2.882,792	173: 2.900,877
464: 2.898,055	21: 2.911,875	2.898,800	2.898,800	2.883,909	2.883,909	180: 2.890,626
465: 2.918,838	27: 2.871,753	2.898,801	2.898,801	2.903,949	2.903,949	189: 2.900,878
470: 2.879,685	2.893,286	2.898,802	2.898,802	2.905,056	2.905,056	190: 2.898,808
472: 2.917,965	37: 2.879,687	2.898,803	2.898,803	2.906,175	2.906,175	192: 2.868,082
473: 2.896,493	44: 2.880,642	2.898,804	2.898,804	2.912,901	2.912,901	191: 2.870,685
477: 2.882,779	56: 2.881,653	2.898,805	2.898,805	2.913,959	2.913,959	2.895,383
2.867,712	2.895,371	2.897,715	2.897,715	2.899,426	2.899,426	2.902,903
478: 2.909,939	57: 2.897,716	2.898,806	2.898,806	2.876,677	2.876,677	2.909,101
484: 2.903,937	Class 88	2.898,807	2.898,807	2.877,688	2.877,688	193: 2.872,851
Class 85	1: 2.872,840	2.898,808	2.898,808	2.883,910	2.883,910	196: 2.910,918
1: 2.875,674	2.873,643	2.898,809	2.898,809	2.889,746	2.889,746	195: 2.873,651
2.877,680	2.876,672	2.898,810	2.898,810	2.891,447	2.891,447	2.910,919
2.895,367	2.876,673	2.898,811	2.898,811	2.896,509	2.896,509	2.918,848
2.895,368	2.878,710	2.898,812	2.898,812	2.898,809	2.898,809	198: 2.876,681
2.907,245	2.878,711	2.898,813	2.898,813	2.905,055	2.905,055	199: 2.868,083
2.871,749	2.878,712	2.898,814	2.898,814	2.912,902	2.912,902	Class 90
2.873,638	2.878,713	2.898,815	2.898,815	2.918,845	2.918,845	1: 2.906,177
Class 86	1: 2.872,840	2.898,816	2.898,816	2.878,724	2.878,724	2.910,919
1: 2.875,674	2.873,643	2.898,817	2.898,817	2.879,693	2.879,693	2.918,848
2.877,680	2.876,672	2.898,818	2.898,818	2.885,925	2.885,925	2.918,848
2.895,367	2.876,673	2.898,819	2.898,819	2.878,725	2.878,725	2.918,848
2.895,368	2.878,710	2.898,820	2.898,820	2.879,694	2.879,694	2.918,848
2.907,245	2.878,711	2.898,821	2.898,821	2.880,647	2.880,647	2.918,848
2.871,749	2.878,712	2.898,822	2.898,822	2.881,659	2.881,659	2.918,848
2.873,638	2.878,713	2.898,823	2.898,823	2.882,793	2.882,793	2.918,848
Class 87	1: 2.870,669	2.898,824	2.898,824	2.883,906	2.883,906	2.918,848
1: 2.875,674	2.873,643	2.898,825	2.898,825	2.884,832	2.884,832	2.918,848
2.877,680	2.876,672	2.898,826	2.898,826	2.885,927	2.885,927	2.918,848
2.895,367	2.876,673	2.898,827	2.898,827	2.886,928	2.886,928	2.918,848
2.895,368	2.878,710	2.898,828	2.898,828	2.887,099	2.887,099	2.918,848
2.907,245	2.878,711	2.898,829	2.898,829	2.888,160	2.888,160	2.918,848
2.871,749	2.878,712	2.898,830	2.898,830	2.889,261	2.889,261	2.918,848
2.873,638	2.878,713	2.898,831	2.898,831	2.890,372	2.890,372	2.918,848
Class 88	1: 2.872,840					



## 1131

[illegible]



## Class 99—Coh.

376: 2,903,959  
379: 2,895,407  
386: 2,867,163  
179: 2,917,990  
390: 2,910,929  
2,916,984  
391: 2,870,701  
2,901,965  
2,907,269  
392: 2,868,111  
398: 2,894,447  
400: 2,874,631  
403: 2,867,164  
408: 2,899,889  
2,918,801  
410: 2,868,112  
419: 2,909,987  
421: 2,876,694  
2,885,952  
2,887,944  
2,893,307  
2,898,845  
2,910,930  
2,915,002  
2,915,960  
423: 2,867,165  
2,876,695  
425: 2,875,683  
427: 2,882,812  
2,883,923  
2,883,924  
2,895,408  
2,897,745  
435: 2,891,466  
436: 2,896,528  
439: 2,889,766  
443: 2,897,746  
2,898,846  
2,905,076  
444: 2,884,849  
2,894,448  
445: 2,908,214  
446: 2,881,685  
2,905,077

## Class 100

1: 2,883,925  
2,910,931  
4: 2,867,166  
2,879,709  
2,897,747  
2,897,748  
2,898,847  
2,911,904  
5: 2,868,113  
7: 2,917,991  
8: 2,883,926  
12: 2,901,966  
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15: 2,868,308  
19: 2,883,114  
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20: 2,900,115  
22: 2,871,779  
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25: 2,876,696  
2,882,814  
26: 2,880,696  
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27: 2,873,694  
29: 2,880,667  
35: 2,892,396  
37: 2,917,992  
43: 2,902,646  
46: 2,902,922  
50: 2,913,977  
52: 2,882,815  
53: 2,882,816  
2,916,985  
70: 2,877,704  
94: 2,903,079  
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98: 2,909,988  
99: 2,887,945  
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100: 2,892,397  
117: 2,912,923  
121: 2,876,697  
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125: 2,906,195  
142: 2,884,850  
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145: 2,902,923  
147: 2,876,698

148: 2,901,967  
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160: 2,885,954  
165: 2,899,452  
170: 2,890,647  
179: 2,887,947  
180: 2,871,780  
191: 2,910,932  
198: 2,918,862  
213: 2,887,948  
214: 2,877,705  
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215: 2,873,665  
219: 2,912,924  
231: 2,890,649  
2,916,987  
232: 2,880,668  
233: 2,918,863  
234: 2,879,710  
2,881,696  
244: 2,897,750  
257: 2,887,949  
264: 2,905,080  
265: 2,887,040  
272: 2,908,217  
282: 2,869,453  
290: 2,896,529

## Class 101

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2,906,196  
101: 2,903,962  
112: 2,884,853  
115: 2,887,044  
116: 2,887,750  
2,892,398  
2,905,201  
118: 2,893,314  
119: 2,893,315  
122: 2,890,652  
123: 2,881,698  
2,895,412  
2,899,894  
2,907,271  
124: 2,885,957  
2,894,450  
2,915,962  
20: 2,878,749  
25: 2,896,532  
27: 2,872,861  
28: 2,887,042  
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29: 2,897,751  
32: 2,909,990  
35: 2,870,702  
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128: 1: 2,917,998  
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132: 5: 2,899,890  
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37: 2,898,849  
38: 2,908,218  
40: 2,875,685  
41: 2,905,082  
44: 2,879,711  
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2,915,964  
47: 2,867,167  
65: 2,889,768  
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66: 2,880,769  
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79: 2,906,198  
83: 2,899,891  
90: 2,888,873  
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92: 2,912,927  
93: 2,867,168  
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2,885,956  
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93: 2,893,311  
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2,906,200  
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95: 2,875,688  
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101: 2,896,533  
109: 2,903,962  
112: 2,884,853  
115: 2,887,044  
116: 2,887,750  
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118: 2,893,314  
119: 2,893,315  
122: 2,890,652  
123: 2,881,698  
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124: 2,885,957  
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20: 2,878,749  
25: 2,896,532  
27: 2,872,861  
28: 2,887,042  
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29: 2,897,751  
32: 2,909,990  
35: 2,870,702  
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128: 1: 2,917,998  
132: 2,883,928  
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132: 5: 2,899,890  
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37: 2,898,849  
38: 2,908,218  
40: 2,875,685  
41: 2,905,082  
44: 2,879,711  
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65: 2,889,768  
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66: 2,880,769  
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79: 2,906,198  
83: 2,899,891  
90: 2,888,873  
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93: 2,867,168  
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2,884,851  
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2,885,956  
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175: 2,894,453  
2,895,436  
177: 2,875,688  
2,877,045  
178: 2,877,706  
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179: 2,884,856  
180: 2,897,754  
181: 2,911,908  
182: 2,893,310  
191: 2,905,084  
210: 2,887,950  
211: 2,894,454  
213: 2,915,971  
216: 2,874,635  
217: 2,898,853  
218: 2,874,636  
219: 2,905,085  
226: 2,893,316  
227: 2,875,680  
228: 2,895,415  
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231: 2,896,537  
232: 2,887,951  
2,909,997  
235: 2,871,781  
2,903,965  
2,917,999  
245: 2,895,416  
247: 2,899,458  
2,870,708  
2,892,402  
2,897,755  
18: 2,881,702  
2,892,403  
2,892,404  
2,899,896  
2,905,088  
20: 2,873,675  
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2,893,932  
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2,892,411  
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2,908,222  
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71: 2,871,788  
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73: 2,873,680  
2,912,934  
74: 2,882,825  
75: 2,873,677  
76: 2,893,322  
2,896,540  
78: 2,890,402  
2,892,826  
79: 2,870,714  
2,887,057  
81: 2,872,869  
2,873,681  
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84: 2,897,760  
2,900,913  
86: 2: 2,885,959  
2,890,778  
80: 5: 2,898,128  
2,872,870  
2,881,703  
87: 2,898,129  
89: 2,876,702  
90: 2,890,914  
92: 5: 2,901,973  
98: 2,916,995

415: 1: 2,885,955  
2,894,455  
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2,900,904  
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416: 2,906,205  
425: Re 24,739  
2,898,855  
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2,893,320

## Class 102

2: 2,870,707  
2,873,674  
2,876,699  
2,883,930  
2,895,415  
2,903,968  
2,900,907  
2,889,772  
2,911,913  
7: 2: 2,874,639  
2,892,400  
10: 2,912,929  
14: 2,892,401  
2,900,919  
16: 2,868,126  
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2,892,402  
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18: 2,881,702  
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20: 2,873,675  
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71: 2,871,788  
2,895,419  
2,911,915  
73: 2,873,680  
2,912,934  
74: 2,882,825  
75: 2,873,677  
76: 2,893,322  
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78: 2,890,402  
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79: 2,870,714  
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81: 2,872,869  
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84: 2,897,760  
2,900,913  
86: 2: 2,885,959  
2,890,778  
80: 5: 2,898,128  
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87: 2,898,129  
89: 2,876,702  
90: 2,890,914  
92: 5: 2,901,973  
98: 2,916,995

43: 2,902,934  
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49: 2,898,127  
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2,902,409  
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2,918,004  
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2,91







## Class 117—Con.

139.5: 2,904,454  
2,909,447  
2,914,427  
140: 2,874,075  
2,915,418  
141: 2,909,448  
2,915,419  
142: 2,887,410  
2,911,327  
143: 2,886,473  
2,890,136  
2,890,137  
2,903,382  
144: 2,904,455  
2,888,368  
2,888,369  
2,902,391  
2,909,449  
148: 2,875,101  
149: 2,907,684  
152: 2,875,102  
155: 2,895,853  
2,913,356  
161: 2,879,181  
2,882,186  
2,883,304  
2,886,474  
2,893,898  
2,898,239  
2,900,450  
2,915,395  
162: 2,881,099  
169: 2,877,142  
2,897,102  
2,909,451  
200: 2,897,550  
2,870,046  
2,872,327  
2,872,328  
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2,874,076  
2,875,103  
2,880,117  
2,883,305  
2,885,309  
2,887,411  
2,906,647  
2,908,592  
2,912,353  
2,912,354  
2,913,357  
2,913,358  
201: 2,867,551  
2,873,217  
2,874,077  
2,879,182  
2,880,118  
2,880,119  
2,884,345  
2,888,370  
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2,908,593  
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202: 2,870,047  
205: 2,875,104  
207: 2,883,306  
209: 2,888,371  
211: 2,876,142  
2,877,143  
2,887,412  
2,888,372  
2,894,858  
2,898,240  
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212: 2,886,475  
2,886,476  
2,887,413  
2,889,239  
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2,898,242  
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2,908,595  
213: 2,872,359  
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2,900,280  
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216: 2,883,307  
2,900,281  
217: 2,867,552  
2,879,183  
2,882,187  
2,914,428  
218: 2,875,105  
2,903,383  
2,909,452  
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221: 2,879,184  
2,904,381

## Class 118

1: 2,881,731  
2,894,481  
2,901,999  
2: 2,874,673  
2,892,438  
2,900,950  
3: 2,896,569  
2,902,001  
5: 2,885,995  
2,912,959  
2,912,960  
6: 2,890,675  
2,892,439  
2,903,994  
7: 2,887,087  
8: 2,868,157  
2,906,235  
10: 2,899,508  
2,899,509  
2,872,893  
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2,880,117  
2,883,348  
2,885,309  
2,887,411  
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2,912,354  
2,913,357  
2,913,358  
201: 2,867,551  
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2,879,182  
2,880,118  
2,880,119  
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202: 2,870,047  
205: 2,875,104  
207: 2,883,306  
209: 2,888,371  
211: 2,876,142  
2,877,143  
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2,888,372  
2,894,858  
2,898,240  
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212: 2,886,475  
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2,887,413  
2,889,239  
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2,895,241  
2,898,242  
2,902,392  
2,904,456  
2,908,595  
213: 2,872,359  
2,877,144  
2,900,280  
2,919,212  
216: 2,883,307  
2,900,281  
217: 2,867,552  
2,879,183  
2,882,187  
2,914,428  
218: 2,875,105  
2,903,383  
2,909,452  
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221: 2,879,184  
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221: 2,917,414  
222: 2,873,218  
223: 2,879,185  
2,895,858  
2,909,447  
2,914,427  
140: 2,874,075  
2,915,418  
141: 2,909,448  
2,915,419  
142: 2,887,410  
2,911,327  
143: 2,886,473  
2,890,136  
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144: 2,904,455  
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148: 2,875,101  
149: 2,907,684  
152: 2,875,102  
155: 2,895,853  
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161: 2,879,181  
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2,886,474  
2,893,898  
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2,900,450  
2,915,395  
162: 2,881,099  
169: 2,877,142  
2,897,102  
2,909,451  
200: 2,897,550  
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2,872,327  
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2,913,358  
201: 2,867,551  
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2,880,118  
2,880,119  
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202: 2,870,047  
205: 2,875,104  
207: 2,883,306  
209: 2,888,371  
211: 2,876,142  
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2,888,372  
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212: 2,886,475  
2,886,476  
2,887,413  
2,889,239  
2,891,880  
2,895,241  
2,898,242  
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213: 2,872,359  
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216: 2,883,307  
2,900,281  
217: 2,867,552  
2,879,183  
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2,914,428  
218: 2,875,105  
2,903,383  
2,909,452  
2,911,328  
221: 2,879,184  
2,904,381

63: 2,880,803  
2,893,349  
2,900,237  
66: 2,906,235  
73: 2,872,895  
103: 2,888,901  
105: 2,910,042  
106: 2,887,985  
108: 2,897,188  
2,892,441  
113: 2,874,674  
117: 2,878,778  
118: 2,918,806  
122: 2,900,951  
124: 2,918,897  
125: 2,875,725  
2,892,442  
200: 2,902,000  
202: 2,898,160  
2,898,161  
2,911,942  
204: 2,873,717  
207: 2,900,952  
211: 2,884,806  
212: 2,875,726  
2,877,737  
217: 2,900,953  
219: 2,868,162  
2,876,733  
227: 2,870,737  
2,888,902  
2,909,150  
2,902,001  
230: 2,900,954  
232: 2,873,718  
234: 2,910,043  
243: 2,890,677  
2,902,002  
244: 2,905,141  
246: 2,879,741  
247: 2,873,719  
249: 2,872,896  
2,874,675  
2,876,734  
2,877,738  
2,915,038  
258: 2,873,720  
266: 2,876,735  
268: 2,875,727  
2,908,246  
2,910,960  
301: 2,874,676  
2,876,736  
2,883,960  
2,888,903  
2,890,678  
2,899,928  
2,903,998  
2,915,039  
302: 2,899,929  
303: 2,892,443  
305: 2,874,677  
306: 2,892,444  
2,895,440  
307: 2,897,779  
308: 2,870,739  
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309: 2,907,299  
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316: 2,906,239  
317: 2,898,163  
2,872,897  
318: 2,896,571  
320: 2,880,697  
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2,908,247  
323: 2,885,998  
2,891,905  
2,907,300  
324: 2,884,898  
401: 2,909,151  
404: 2,899,930  
405: 2,880,697  
407: 2,871,817  
408: 2,908,248  
409: 2,897,189  
410: 2,875,728  
411: 2,905,142  
412: 2,878,779  
413: 2,918,899  
415: 2,891,506  
419: 2,877,739  
2,898,883  
420: 2,896,572  
421: 2,868,164  
425: 2,908,249  
2,911,943  
426: 2,903,999  
500: 2,910,962  
504: 2,889,904

505: 2,883,962  
2,871,818  
602: 2,885,999  
620: 2,868,165  
623: 2,910,963  
626: 2,864,510  
627: 2,889,805  
630: 2,877,740  
637: 2,871,819  
2,873,721  
2,876,737  
2,880,696  
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2,894,486  
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2,911,944  
2,911,945  
2,918,900  
638: 2,869,511  
641: 2,906,240  
642: 2,890,679  
643: 2,868,166  
2,889,806  
Class 119  
1: 2,883,963  
2,887,090  
2,894,487  
2,897,780  
2,910,044  
2: 2,890,680  
2,871,820  
5: 2,879,742  
2,905,144  
14.03: 2,904,001  
14.05: 2,868,167  
2,880,700  
2,895,450  
14.07: 2,871,821  
14.08: 2,887,986  
14.09: 2,873,722  
14.11: 2,910,965  
14.12: 2,893,350  
14.18: 2,873,723  
14.27: 2,886,000  
14.36: 2,866,573  
14.39: 2,878,780  
14.43: 2,902,975  
14.46: 2,869,512  
2,883,964  
14.54: 2,866,574  
15: 2,881,733  
2,900,955  
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15.5: 2,868,168  
2,888,904  
17: 2,914,022  
18: 2,882,857  
2,891,507  
19: 2,897,781  
2,902,976  
20: 2,881,734  
23: 2,876,738  
2,887,987  
2,915,040  
27: 2,904,002  
2,917,022  
28: 2,868,169  
31: 2,909,152  
45: 2,886,001  
2,892,447  
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51: 2,887,988  
2,891,508  
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52: 2,867,190  
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53: 2,884,899  
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54: 2,914,024  
55: 2,888,005  
61: 2,874,678  
71: 2,905,143  
72: 2,878,781  
73: 2,904,004  
2,914,025  
74: 2,872,898  
75: 2,891,509  
2,911,946  
77: 2,886,002  
78: 2,871,822

81: Re.24,595  
82: 2,879,743  
89: 2,869,513  
96: 2,904,005  
99: 2,895,451  
100: 2,909,153  
103: 2,904,006  
2,914,026  
106: 2,880,701  
109: 2,889,807  
2,909,154  
2,911,947  
130: 2,891,504  
143: 2,882,858  
157: 2,883,965  
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159: 2,900,957  
Class 120  
1: 2,870,740  
2,890,576  
9: 2,907,301  
14.1: 2,911,948  
14.5: 2,883,966  
18: 2,883,967  
19: 2,902,977  
22: 2,899,931  
28: 2,893,351  
31: 2,877,741  
33: 2,918,038  
34: 2,905,145  
2,906,242  
36: 2,876,739  
2,891,510  
2,917,021  
42: 2,871,823  
42.01: 2,916,013  
42.03: Re.24,649  
2,868,170  
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2,882,859  
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2,907,302  
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42.06: 2,876,740  
42.1: 2,883,968  
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42.15: 2,879,744  
42.16: 2,874,679  
42.18: 2,868,171  
42.4: 2,871,824  
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2,883,969  
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2,911,950  
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42.6: 2,886,003  
2,889,809  
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44: 2,915,041  
45.4: 2,870,742  
2,878,782  
2,902,978  
45.6: 2,872,899  
2,874,680  
46: 2,868,172  
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47: 2,898,173  
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47.4: 2,883,969  
48: 2,878,783  
50: 2,881,737  
51: 2,888,008  
2,905,148  
57: 2,889,810  
91: 2,895,452  
92: 2,895,453  
96: 2,872,900  
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108: 2,899,932  
112: 2,906,243  
Class 121  
1: 2,899,514  
2,918,039  
7: 2,910,046  
9: 2,914,031  
10: 2,871,826  
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11: 2,875,730  
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13: 2,872,901  
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17: 2,897,191  
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Class 126—Con.									
113: 2,888,006	1.2: 2,888,917	76.5: 2,875,751	146: 2,905,173	221: 2,898,201	303: 2,868,206	468: 2,869,554	503: 2,869,553	510: 2,870,768	519: 2,869,962
116: 2,873,736	2: 2,881,756	78: 2,871,850	148: 2,890,005	224: 2,870,767	304: 2,876,777	524: 2,873,743	525: 2,873,743	526: 2,873,743	527: 2,873,743
127: 2,875,747	2,882,891	79: 2,890,957	151: 2,876,767	227: 2,873,739	305: 2,876,777	528: 2,873,743	529: 2,873,743	530: 2,873,743	531: 2,873,743
146: 2,882,331	2,888,918	80: 2,871,851	152: 2,888,921	232: 2,869,545	306: 2,876,777	532: 2,873,743	533: 2,873,743	534: 2,873,743	535: 2,873,743
164: 2,889,824	2,904,033	81: 2,871,852	153: 2,890,980	233: 2,870,767	307: 2,876,777	536: 2,873,743	537: 2,873,743	538: 2,873,743	539: 2,873,743
165: 2,893,375	2,905,169	82: 2,871,853	154: 2,888,013	234: 2,870,767	308: 2,876,777	539: 2,873,743	540: 2,873,743	541: 2,873,743	542: 2,873,743
190: 2,877,760	2,907,320	83: 2,871,854	155: 2,877,765	235: 2,870,767	309: 2,876,777	543: 2,873,743	544: 2,873,743	545: 2,873,743	546: 2,873,743
191: 2,873,737	2,908,268	84: 2,871,855	156: 2,877,765	236: 2,870,767	310: 2,876,777	547: 2,873,743	548: 2,873,743	549: 2,873,743	550: 2,873,743
194: 2,917,040	2,909,536	85: 2,871,856	157: 2,877,765	237: 2,870,767	311: 2,876,777	551: 2,873,743	552: 2,873,743	553: 2,873,743	554: 2,873,743
198: 2,889,825	2,910,033	86: 2,871,857	158: 2,877,765	238: 2,870,767	312: 2,876,777	555: 2,873,743	556: 2,873,743	557: 2,873,743	558: 2,873,743
200: 2,877,761	2,911,068	87: 2,871,858	159: 2,877,765	239: 2,870,767	313: 2,876,777	559: 2,873,743	560: 2,873,743	561: 2,873,743	562: 2,873,743
202: 2,881,754	2,912,030	88: 2,871,859	160: 2,877,765	240: 2,870,767	314: 2,876,777	563: 2,873,743	564: 2,873,743	565: 2,873,743	566: 2,873,743
204: 2,904,031	2,913,065	89: 2,871,860	161: 2,877,765	241: 2,870,767	315: 2,876,777	567: 2,873,743	568: 2,873,743	569: 2,873,743	570: 2,873,743
208: 2,914,060	2,914,060	90: 2,871,861	162: 2,877,765	242: 2,870,767	316: 2,876,777	571: 2,873,743	572: 2,873,743	573: 2,873,743	574: 2,873,743
214: 2,887,108	2,915,095	91: 2,871,862	163: 2,877,765	243: 2,870,767	317: 2,876,777	575: 2,873,743	576: 2,873,743	577: 2,873,743	578: 2,873,743
215: 2,871,848	2,916,130	92: 2,871,863	164: 2,877,765	244: 2,870,767	318: 2,876,777	579: 2,873,743	580: 2,873,743	581: 2,873,743	582: 2,873,743
261: 2,893,376	2,917,165	93: 2,871,864	165: 2,877,765	245: 2,870,767	319: 2,876,777	583: 2,873,743	584: 2,873,743	585: 2,873,743	586: 2,873,743
262: 2,896,607	2,918,199	94: 2,871,865	166: 2,877,765	246: 2,870,767	320: 2,876,777	587: 2,873,743	588: 2,873,743	589: 2,873,743	590: 2,873,743
263: 2,914,062	2,919,234	95: 2,871,866	167: 2,877,765	247: 2,870,767	321: 2,876,777	591: 2,873,743	592: 2,873,743	593: 2,873,743	594: 2,873,743
270: 2,888,007	2,920,269	96: 2,871,867	168: 2,877,765	248: 2,870,767	322: 2,876,777	595: 2,873,743	596: 2,873,743	597: 2,873,743	598: 2,873,743
271: 2,872,915	2,921,304	97: 2,871,868	169: 2,877,765	249: 2,870,767	323: 2,876,777	599: 2,873,743	600: 2,873,743	601: 2,873,743	602: 2,873,743
271.1: 2,881,755	2,922,339	98: 2,871,869	170: 2,877,765	250: 2,870,767	324: 2,876,777	603: 2,873,743	604: 2,873,743	605: 2,873,743	606: 2,873,743
271.2: 2,882,889	2,923,374	99: 2,871,870	171: 2,877,765	251: 2,870,767	325: 2,876,777	607: 2,873,743	608: 2,873,743	609: 2,873,743	610: 2,873,743
272: 2,891,536	2,924,409	100: 2,871,871	172: 2,877,765	252: 2,870,767	326: 2,876,777	611: 2,873,743	612: 2,873,743	613: 2,873,743	614: 2,873,743
273: 2,882,890	2,925,444	101: 2,871,872	173: 2,877,765	253: 2,870,767	327: 2,876,777	615: 2,873,743	616: 2,873,743	617: 2,873,743	618: 2,873,743
276: 2,867,208	2,926,479	102: 2,871,873	174: 2,877,765	254: 2,870,767	328: 2,876,777	619: 2,873,743	620: 2,873,743	621: 2,873,743	622: 2,873,743
299: 2,908,267	2,927,514	103: 2,871,874	175: 2,877,765	255: 2,870,767	329: 2,876,777	623: 2,873,743	624: 2,873,743	625: 2,873,743	626: 2,873,743
301: 2,875,748	2,928,549	104: 2,871,875	176: 2,877,765	256: 2,870,767	330: 2,876,777	627: 2,873,743	628: 2,873,743	629: 2,873,743	630: 2,873,743
304: 2,910,059	2,929,584	105: 2,871,876	177: 2,877,765	257: 2,870,767	331: 2,876,777	631: 2,873,743	632: 2,873,743	633: 2,873,743	634: 2,873,743
307: 2,918,053	2,930,619	106: 2,871,877	178: 2,877,765	258: 2,870,767	332: 2,876,777	635: 2,873,743	636: 2,873,743	637: 2,873,743	638: 2,873,743
340: 2,879,763	2,931,654	107: 2,871,878	179: 2,877,765	259: 2,870,767	333: 2,876,777	639: 2,873,743	640: 2,873,743	641: 2,873,743	642: 2,873,743
343.5: 2,872,916	2,932,689	108: 2,871,879	180: 2,877,765	260: 2,870,767	334: 2,876,777	643: 2,873,743	644: 2,873,743	645: 2,873,743	646: 2,873,743
350: 2,875,749	2,933,724	109: 2,871,880	181: 2,877,765	261: 2,870,767	335: 2,876,777	647: 2,873,743	648: 2,873,743	649: 2,873,743	650: 2,873,743
360: 2,902,029	2,934,759	110: 2,871,881	182: 2,877,765	262: 2,870,767	336: 2,876,777	651: 2,873,743	652: 2,873,743	653: 2,873,743	654: 2,873,743
362: 2,878,804	2,935,794	111: 2,871,882	183: 2,877,765	263: 2,870,767	337: 2,876,777	655: 2,873,743	656: 2,873,743	657: 2,873,743	658: 2,873,743
374: 2,906,258	2,936,829	112: 2,871,883	184: 2,877,765	264: 2,870,767	338: 2,876,777	659: 2,873,743	660: 2,873,743	661: 2,873,743	662: 2,873,743
381: 2,914,063	2,937,864	113: 2,871,884	185: 2,877,765	265: 2,870,767	339: 2,876,777	663: 2,873,743	664: 2,873,743	665: 2,873,743	666: 2,873,743
386: 2,909,172	2,938,899	114: 2,871,885	186: 2,877,765	266: 2,870,767	340: 2,876,777	667: 2,873,743	668: 2,873,743	669: 2,873,743	670: 2,873,743
391: 2,912,975	2,939,934	115: 2,871,886	187: 2,877,765	267: 2,870,767	341: 2,876,777	671: 2,873,743	672: 2,873,743	673: 2,873,743	674: 2,873,743
Class 127	2,940,969	116: 2,871,887	188: 2,877,765	268: 2,870,767	342: 2,876,777	675: 2,873,743	676: 2,873,743	677: 2,873,743	678: 2,873,743
4: 2,873,220	2,941,004	117: 2,871,888	189: 2,877,765	269: 2,870,767	343: 2,876,777	679: 2,873,743	680: 2,873,743	681: 2,873,743	682: 2,873,743
7: 2,876,143	2,942,039	118: 2,871,889	190: 2,877,765	270: 2,870,767	344: 2,876,777	683: 2,873,743	684: 2,873,743	685: 2,873,743	686: 2,873,743
28: 2,871,146	2,943,074	119: 2,871,890	191: 2,877,765	271: 2,870,767	345: 2,876,777	687: 2,873,743	688: 2,873,743	689: 2,873,743	690: 2,873,743
29: 2,919,214	2,944,109	120: 2,871,891	192: 2,877,765	272: 2,870,767	346: 2,876,777	691: 2,873,743	692: 2,873,743	693: 2,873,743	694: 2,873,743
30: 2,900,283	2,945,144	121: 2,871,892	193: 2,877,765	273: 2,870,767	347: 2,876,777	695: 2,873,743	696: 2,873,743	697: 2,873,743	698: 2,873,743
2,910,386	2,946,179	122: 2,871,893	194: 2,877,765	274: 2,870,767	348: 2,876,777	699: 2,873,743	700: 2,873,743	701: 2,873,743	702: 2,873,743
2,910,387	2,947,214	123: 2,871,894	195: 2,877,765	275: 2,870,767	349: 2,876,777	703: 2,873,743	704: 2,873,743	705: 2,873,743	706: 2,873,743
2,910,388	2,948,249	124: 2,871,895	196: 2,877,765	276: 2,870,767	350: 2,876,777	707: 2,873,743	708: 2,873,743	709: 2,873,743	710: 2,873,743
32: 2,884,346	2,949,284	125: 2,871,896	197: 2,877,765	277: 2,870,767	351: 2,876,777	711: 2,873,743	712: 2,873,743	713: 2,873,743	714: 2,873,743
33: 2,894,859	2,950,319	126: 2,871,897	198: 2,877,765	278: 2,870,767	352: 2,876,777	715: 2,873,743	716: 2,873,743	717: 2,873,743	718: 2,873,743
34: 2,902,393	2,951,354	127: 2,871,898	199: 2,877,765	279: 2,870,767	353: 2,876,777	719: 2,873,743	720: 2,873,743	721: 2,873,743	722: 2,873,743
37: 2,900,284	2,952,389	128: 2,871,899	200: 2,877,765	280: 2,870,767	354: 2,876,777	723: 2,873,743	724: 2,873,743	725: 2,873,743	726: 2,873,743
40: 2,871,147	2,953,424	129: 2,871,900	201: 2,877,765	281: 2,870,767	355: 2,876,777	727: 2,873,743	728: 2,873,743	729: 2,873,743	730: 2,873,743
42: 2,892,737	2,954,459	130: 2,871,901	202: 2,877,765	282: 2,870,767	356: 2,876,777	731: 2,873,743	732: 2,873,743	733: 2,873,743	734: 2,873,743
44: 2,914,431	2,955,494	131: 2,871,902	203: 2,877,765	283: 2,870,767	357: 2,876,777	735: 2,873,743	736: 2,873,743	737: 2,873,743	738: 2,873,743
45: 2,885,311	2,956,529	132: 2,871,903	204: 2,877,765	284: 2,870,767	358: 2,876,777	739: 2,873,743	740: 2,873,743	741: 2,873,743	742: 2,873,743
46: 2,868,677	2,957,564	133: 2,871,904	205: 2,877,765	285: 2,870,767	359: 2,876,777	743: 2,873,743	744: 2,873,743	745: 2,873,743	746: 2,873,743
47: 2,916,404	2,958,599	134: 2,871,905	206: 2,877,765	286: 2,870,767	360: 2,876,777	747: 2,873,743	748: 2,873,743	749: 2,873,743	750: 2,873,743
48: 2,890,138	2,959,634	135: 2,871,906	207: 2,877,765	287: 2,870,767	361: 2,876,777	751: 2,873,743	752: 2,873,743	753: 2,873,743	754: 2,873,743
50: 2,888,245	2,960,669	136: 2,871,907	208: 2,877,765	288: 2,870,767	362: 2,876,777	755: 2,873,743	756: 2,873,743	757: 2,873,743	758: 2,873,743
52: 2,917,417	2,961,704	137: 2,871,908	209: 2,877,765	289: 2,870,767	363: 2,876,777	759: 2,873,743	760: 2,873,743	761: 2,873,743	762: 2,873,743
56: 2,899,342	2,962,739	138: 2,871,909	210: 2,877,765	290: 2,870,767	364: 2,876,777	763: 2,873,743	764: 2,873,743	765: 2,873,743	766: 2,873,743
58: 2,871,148	2,963,774	139: 2,871,910	211: 2,877,765	291: 2,870,767	365: 2,876,777	767: 2,873,743	768: 2,873,743	769: 2,873,743	770: 2,873,743
63: 2,901,382	2,964,809	140: 2,871,911	212: 2,877,765	292: 2,870,767	366: 2,876,777	771: 2,873,743	772: 2,873,743	773: 2,873,743	774: 2,873,743
67: 2,8									



<b>Class 137—Con.</b>		296: 2,873,750	456: 2,879,789	512.1: 2,902,040	598: 2,869,581	625.13: 2,884,007	31: 2,870,791
116.5: 2,888,027	298: 2,918,077	299.5: 2,908,283	458: 2,896,660	512.15: 2,890,716	599: 2,877,796	625.17: 2,918,939	32: 2,873,763
2,893,415	270: 2,880,748	2,891,786	460: 2,879,790	512.2: 2,911,004	2,878,830	625.19: 2,889,852	33: 2,875,789
2,894,529	2,893,419	2,903,011	462: 2,890,712	512.4: 2,906,661	2,902,050	625.2: 2,905,106	34: 2,876,799
2,899,567	2,901,011	2,911,994	464: 2,879,791	512.7: 2,912,999	2,918,936	625.20: 2,888,034	35: 2,890,977
2,905,191	2,911,994	2,906,286	466: 2,882,921	514: 2,908,285	2,901,001	625.25: 2,910,081	36: 2,890,977
2,916,041	2,911,994	2,906,286	468: 2,877,787	514.3: 2,914,085	2,888,831	625.27: 2,886,063	37: 2,880,760
2,927,787	2,911,994	2,906,286	470: 2,893,420	514.5: 2,917,076	2,888,831	625.29: 2,867,237	38: 2,890,722
2,938,043	2,911,994	2,906,286	472: 2,893,420	514.7: 2,917,076	2,888,831	625.3: 2,875,783	39: 2,894,956
2,949,043	2,911,994	2,906,286	474: 2,893,420	515.3: 2,917,077	2,888,831	625.31: 2,911,008	40: 2,876,800
2,960,043	2,911,994	2,906,286	476: 2,893,420	515.5: 2,917,077	2,888,831	625.33: 2,911,008	41: 2,877,802
2,971,043	2,911,994	2,906,286	478: 2,893,420	516.13: 2,917,077	2,888,831	625.37: 2,884,007	42: 2,877,802
2,982,043	2,911,994	2,906,286	480: 2,893,420	516.25: 2,917,077	2,888,831	625.40: 2,877,797	43: 2,877,802
2,993,043	2,911,994	2,906,286	482: 2,893,420	516.29: 2,917,077	2,888,831	625.41: 2,877,797	44: 2,877,802
2,994,043	2,911,994	2,906,286	484: 2,893,420	517: 2,876,794	2,888,831	625.42: 2,877,797	45: 2,877,802
2,995,043	2,911,994	2,906,286	486: 2,893,420	521: 2,890,717	2,888,831	625.44: 2,912,012	46.5: 2,898,228
2,996,043	2,911,994	2,906,286	488: 2,893,420	522: 2,882,924	2,888,831	625.46: 2,877,797	47: 2,898,228
2,997,043	2,911,994	2,906,286	490: 2,893,420	523.3: 2,881,795	2,888,831	625.48: 2,912,012	48: 2,898,228
2,998,043	2,911,994	2,906,286	492: 2,893,420	523.5: 2,881,795	2,888,831	625.5: 2,875,784	49: 2,898,228
2,999,043	2,911,994	2,906,286	494: 2,893,420	523.7: 2,881,795	2,888,831	625.7: 2,875,784	50: 2,898,228
3,000,043	2,911,994	2,906,286	496: 2,893,420	523.9: 2,881,795	2,888,831	625.9: 2,875,784	51: 2,898,228
3,001,043	2,911,994	2,906,286	498: 2,893,420	524: 2,876,794	2,888,831	625.11: 2,912,012	52: 2,898,228
3,002,043	2,911,994	2,906,286	500: 2,893,420	524.2: 2,876,794	2,888,831	625.13: 2,912,012	53: 2,898,228
3,003,043	2,911,994	2,906,286	502: 2,893,420	524.4: 2,876,794	2,888,831	625.15: 2,912,012	54: 2,898,228
3,004,043	2,911,994	2,906,286	504: 2,893,420	524.6: 2,876,794	2,888,831	625.17: 2,912,012	55: 2,898,228
3,005,043	2,911,994	2,906,286	506: 2,893,420	524.8: 2,876,794	2,888,831	625.19: 2,912,012	56: 2,898,228
3,006,043	2,911,994	2,906,286	508: 2,893,420	524.10: 2,876,794	2,888,831	625.21: 2,912,012	57: 2,898,228
3,007,043	2,911,994	2,906,286	510: 2,893,420	524.12: 2,876,794	2,888,831	625.23: 2,912,012	58: 2,898,228
3,008,043	2,911,994	2,906,286	512: 2,893,420	524.14: 2,876,794	2,888,831	625.25: 2,912,012	59: 2,898,228
3,009,043	2,911,994	2,906,286	514: 2,893,420	524.16: 2,876,794	2,888,831	625.27: 2,912,012	60: 2,898,228
3,010,043	2,911,994	2,906,286	516: 2,893,420	524.18: 2,876,794	2,888,831	625.29: 2,912,012	61: 2,898,228
3,011,043	2,911,994	2,906,286	518: 2,893,420	524.20: 2,876,794	2,888,831	625.31: 2,912,012	62: 2,898,228
3,012,043	2,911,994	2,906,286	520: 2,893,420	524.22: 2,876,794	2,888,831	625.33: 2,912,012	63: 2,898,228
3,013,043	2,911,994	2,906,286	522: 2,893,420	524.24: 2,876,794	2,888,831	625.35: 2,912,012	64: 2,898,228
3,014,043	2,911,994	2,906,286	524: 2,893,420	524.26: 2,876,794	2,888,831	625.37: 2,912,012	65: 2,898,228
3,015,043	2,911,994	2,906,286	526: 2,893,420	524.28: 2,876,794	2,888,831	625.39: 2,912,012	66: 2,898,228
3,016,043	2,911,994	2,906,286	528: 2,893,420	524.30: 2,876,794	2,888,831	625.41: 2,912,012	67: 2,898,228
3,017,043	2,911,994	2,906,286	530: 2,893,420	524.32: 2,876,794	2,888,831	625.43: 2,912,012	68: 2,898,228
3,018,043	2,911,994	2,906,286	532: 2,893,420	524.34: 2,876,794	2,888,831	625.45: 2,912,012	69: 2,898,228
3,019,043	2,911,994	2,906,286	534: 2,893,420	524.36: 2,876,794	2,888,831	625.47: 2,912,012	70: 2,898,228
3,020,043	2,911,994	2,906,286	536: 2,893,420	524.38: 2,876,794	2,888,831	625.49: 2,912,012	71: 2,898,228
3,021,043	2,911,994	2,906,286	538: 2,893,420	524.40: 2,876,794	2,888,831	625.51: 2,912,012	72: 2,898,228
3,022,043	2,911,994	2,906,286	540: 2,893,420	524.42: 2,876,794	2,888,831	625.53: 2,912,012	73: 2,898,228
3,023,043	2,911,994	2,906,286	542: 2,893,420	524.44: 2,876,794	2,888,831	625.55: 2,912,012	74: 2,898,228
3,024,043	2,911,994	2,906,286	544: 2,893,420	524.46: 2,876,794	2,888,831	625.57: 2,912,012	75: 2,898,228
3,025,043	2,911,994	2,906,286	546: 2,893,420	524.48: 2,876,794	2,888,831	625.59: 2,912,012	76: 2,898,228
3,026,043	2,911,994	2,906,286	548: 2,893,420	524.50: 2,876,794	2,888,831	625.61: 2,912,012	77: 2,898,228
3,027,043	2,911,994	2,906,286	550: 2,893,420	524.52: 2,876,794	2,888,831	625.63: 2,912,012	78: 2,898,228
3,028,043	2,911,994	2,906,286	552: 2,893,420	524.54: 2,876,794	2,888,831	625.65: 2,912,012	79: 2,898,228
3,029,043	2,911,994	2,906,286	554: 2,893,420	524.56: 2,876,794	2,888,831	625.67: 2,912,012	80: 2,898,228
3,030,043	2,911,994	2,906,286	556: 2,893,420	524.58: 2,876,794	2,888,831	625.69: 2,912,012	81: 2,898,228
3,031,043	2,911,994	2,906,286	558: 2,893,420	524.60: 2,876,794	2,888,831	625.71: 2,912,012	82: 2,898,228
3,032,043	2,911,994	2,906,286	560: 2,893,420	524.62: 2,876,794	2,888,831	625.73: 2,912,012	83: 2,898,228
3,033,043	2,911,994	2,906,286	562: 2,893,420	524.64: 2,876,794	2,888,831	625.75: 2,912,012	84: 2,898,228
3,034,043	2,911,994	2,906,286	564: 2,893,420	524.66: 2,876,794	2,888,831	625.77: 2,912,012	85: 2,898,228
3,035,043	2,911,994	2,906,286	566: 2,893,420	524.68: 2,876,794	2,888,831	625.79: 2,912,012	86: 2,898,228
3,036,043	2,911,994	2,906,286	568: 2,893,420	524.70: 2,876,794	2,888,831	625.81: 2,912,012	87: 2,898,228
3,037,043	2,911,994	2,906,286	570: 2,893,420	524.72: 2,876,794	2,888,831	625.83: 2,912,012	88: 2,898,228
3,038,043	2,911,994	2,906,286	572: 2,893,420	524.74: 2,876,794	2,888,831	625.85: 2,912,012	89: 2,898,228
3,039,043	2,911,994	2,906,286	574: 2,893,420	524.76: 2,876,794	2,888,831	625.87: 2,912,012	90: 2,898,228
3,040,043	2,911,994	2,906,286	576: 2,893,420	524.78: 2,876,794	2,888,831	625.89: 2,912,012	91: 2,898,228
3,041,043	2,911,994	2,906,286	578: 2,893,420	524.80: 2,876,794	2,888,831	625.91: 2,912,012	92: 2,898,228
3,042,043	2,911,994	2,906,286	580: 2,893,420	524.82: 2,876,794	2,888,831	625.93: 2,912,012	93: 2,898,228
3,043,043	2,911,994	2,906,286	582: 2,893,420	524.84: 2,876,794	2,888,831	625.95: 2,912,012	94: 2,898,228
3,044,043	2,911,994	2,906,286	584: 2,893,420	524.86: 2,876,794	2,888,831	625.97: 2,912,012	95: 2,898,228
3,045,043	2,911,994	2,906,286	586: 2,893,420	524.88: 2,876,794	2,888,831	625.99: 2,912,012	96: 2,898,228
3,046,043	2,911,994	2,906,286	588: 2,893,420	524.90: 2,876,794	2,888,831	626.01: 2,912,012	97: 2,898,228
3,047,043	2,911,994	2,906,286	590: 2,893,420	524.92: 2,876,794	2,888,831	626.03: 2,912,012	98: 2,898,228
3,048,043	2,911,994	2,906,286	592: 2,893,420	524.94: 2,876,794	2,888,831	626.05: 2,912,012	99: 2,898,228
3,049,043	2,911,994	2,906,286	594: 2,893,420	524.96: 2,876,794	2,888,831	626.07: 2,912,012	100: 2,898,228
3,050,043	2,911,994	2,906,286	596: 2,893,420	524.98: 2,876,794	2,888,831	626.09: 2,912,012	101: 2,898,228
3,051,043	2,911,994	2,906,286	598: 2,893,420	525.00: 2,876,794	2,888,831	626.11: 2,912,012	102: 2,898,228
3,052,043	2,911,994	2,906,286	600: 2,893,420	525.02: 2,876,794	2,888,831	626.13: 2,912,012	103: 2,898,228
3,053,043	2,911,994	2,906,286	602: 2,893,420	525.04: 2,876,794	2,888,831	626.15: 2,912,012	104: 2,898,228
3,054,043	2,911,994	2,906,286	604: 2,893,420	525.06: 2,876,794	2,888,831	626.17: 2,912,012	105: 2,898,228
3,055,043	2,911,994	2,906,286	606: 2,893,420	525.08: 2,876,794	2,888,831	626.19: 2,912,012	106: 2,898,228
3,056,043	2,911,994	2,906,286	608: 2,893,420	525.10: 2,876,794	2,888,831	626.21: 2,912,012	107: 2,898,228
3,057,043	2,911,994	2,906,286	610: 2,893,420	525.12: 2,876,794	2,888,831	626.23: 2,912,012	108: 2,898,228
3,058,043	2,911,994	2,906,286	612: 2,893,420	525.14: 2,876,794	2,888,831	626.25: 2,912,012	109: 2,898,228
3,059,043	2,911,994	2,906,286	614: 2,893,420	525.16: 2,876,794	2,888,831	626.27: 2,912,012	110: 2,898,228
3,060,043	2,911,994	2,906,286	616: 2,893,420	525.18: 2,876,794	2,888,831	626.29: 2,912,012	111: 2,898,228
3,061,043	2,911,994	2,906,286	618: 2,893,420	525.20: 2,876,794	2,888,831	626.31: 2,912,012	112: 2,898,228
3,062,043	2,911,994	2,906,286	620: 2,893,420	525.22: 2,876,794	2,888,831	626.33: 2,912,012	113: 2,898,228
3,063,043	2,911,994	2,906,286	622: 2,893,420	525.24: 2,876,794	2,888,831	626.35: 2,912,012	114: 2,898,228
3,064,043	2,911,994	2,906,286	624: 2,893,420	525.26: 2,876,794	2,888,831	626.37: 2,912,012	115: 2,898,228
3,065,043	2,911,994	2,906,286	626: 2,893,420	525.28: 2,876,794	2,888,831		







## Class 160—Con.

329: 2,898,989  
330: 2,882,964  
331: 2,884,053  
332: 2,884,054  
333: 2,901,037  
334: 2,868,286  
335: 2,874,772  
336: 2,884,055  
337: 2,898,990  
338: 2,913,032  
339: 2,887,154  
340: 2,911,038  
341: 2,901,038  
342: 2,884,056  
343: 2,871,936  
344: 2,871,937  
345: 2,878,806  
346: 2,890,747  
347: 2,892,497  
348: 2,907,354  
349: 2,907,355  
350: 2,906,379  
351: 2,915,119  
352: 2,897,889

## Class 161

1: 2,867,274  
2: 2,868,287  
3: 2,870,834  
4: 2,871,938  
5: 2,879,842  
6: 2,880,798  
7: 2,881,832  
8: 2,885,001  
9: 2,886,106  
10: 2,888,086  
11: 2,891,617  
12: 2,895,547  
13: 2,896,707  
14: 2,897,890  
15: 2,898,992  
16: 2,898,993  
17: 2,900,021  
18: 2,902,088  
19: 2,904,110  
20: 2,905,239  
21: 2,906,328  
22: 2,906,329  
23: 2,906,330  
24: 2,906,331  
25: 2,907,386  
26: 2,907,387  
27: 2,912,051  
28: 2,912,052  
29: 2,913,048  
30: 2,915,120  
31: 2,918,969  
32: 2,919,121  
33: 2,918,967  
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## 1147

Class 174—Con.	5.1: 2,875,270 2,879,324 2,881,244 2,883,449 2,889,309 2,890,269 2,892,882 2,895,747 2,897,816 2,899,592 2,901,527 2,902,486 2,903,518 2,904,603 2,905,744 2,907,815 2,909,815 2,910,242 2,911,243 2,912,481 2,913,267 2,914,602 2,915,520 2,916,683 2,917,208 2,918,265 2,919,526 2,920,806 2,921,395 2,922,396 2,923,504 2,924,521 2,925,566 2,926,867 2,927,868 2,928,869 2,929,870 2,930,871 2,931,872 2,932,873 2,933,874 2,934,875 2,935,876 2,936,877 2,937,878 2,938,879 2,939,880 2,940,881 2,941,882 2,942,883 2,943,884 2,944,885 2,945,886 2,946,887 2,947,888 2,948,889 2,949,890 2,950,891 2,951,892 2,952,893 2,953,894 2,954,895 2,955,896 2,956,897 2,957,898 2,958,899 2,959,900 2,960,901 2,961,902 2,962,903 2,963,904 2,964,905 2,965,906 2,966,907 2,967,908 2,968,909 2,969,910 2,970,911 2,971,912 2,972,913 2,973,914 2,974,915 2,975,916 2,976,917 2,977,918 2,978,919 2,979,920 2,980,921 2,981,922 2,982,923 2,983,924 2,984,925 2,985,926 2,986,927 2,987,928 2,988,929 2,989,930 2,990,931 2,991,932 2,992,933 2,993,934 2,994,935 2,995,936 2,996,937 2,997,938 2,998,939 2,999,940 3,000,941 3,001,942 3,002,943 3,003,944 3,004,945 3,005,946 3,006,947 3,007,948 3,008,949 3,009,950 3,010,951 3,011,952 3,012,953 3,013,954 3,014,955 3,015,956 3,016,957 3,017,958 3,018,959 3,019,960 3,020,961 3,021,962 3,022,963 3,023,964 3,024,965 3,025,966 3,026,967 3,027,968 3,028,969 3,029,970 3,030,971 3,031,972 3,032,973 3,033,974 3,034,975 3,035,976 3,036,977 3,037,978 3,038,979 3,039,980 3,040,981 3,041,982 3,042,983 3,043,984 3,044,985 3,045,986 3,046,987 3,047,988 3,048,989 3,049,990 3,050,991 3,051,992 3,052,993 3,053,994 3,054,995 3,055,996 3,056,997 3,057,998 3,058,999 3,059,000 3,060,001 3,061,002 3,062,003 3,063,004 3,064,005 3,065,006 3,066,007 3,067,008 3,068,009 3,069,010 3,070,011 3,071,012 3,072,013 3,073,014 3,074,015 3,075,016 3,076,017 3,077,018 3,078,019 3,079,020 3,080,021 3,081,022 3,082,023 3,083,024 3,084,025 3,085,026 3,086,027 3,087,028 3,088,029 3,089,030 3,090,031 3,091,032 3,092,033 3,093,034 3,094,035 3,095,036 3,096,037 3,097,038 3,098,039 3,099,040 3,100,041 3,101,042 3,102,043 3,103,044 3,104,045 3,105,046 3,106,047 3,107,048 3,108,049 3,109,050 3,110,051 3,111,052 3,112,053 3,113,054 3,114,055 3,115,056 3,116,057 3,117,058 3,118,059 3,119,060 3,120,061 3,121,062 3,122,063 3,123,064 3,124,065 3,125,066 3,126,067 3,127,068 3,128,069 3,129,070 3,130,071 3,131,072 3,132,073 3,133,074 3,134,075 3,135,076 3,136,077 3,137,078 3,138,079 3,139,080 3,140,081 3,141,082 3,142,083 3,143,084 3,144,085 3,145,086 3,146,087 3,147,088 3,148,089 3,149,090 3,150,091 3,151,092 3,152,093 3,153,094 3,154,095 3,155,096 3,156,097 3,157,098 3,158,099 3,159,100 3,160,101 3,161,102 3,162,103 3,163,104 3,164,105 3,165,106 3,166,107 3,167,108 3,168,109 3,169,110 3,170,111 3,171,112 3,172,113 3,173,114 3,174,115 3,175,116 3,176,117 3,177,118 3,178,119 3,179,120 3,180,121 3,181,122 3,182,123 3,183,124 3,184,125 3,185,126 3,186,127 3,187,128 3,188,129 3,189,130 3,190,131 3,191,132 3,192,133 3,193,134 3,194,135 3,195,136 3,196,137 3,197,138 3,198,139 3,199,140 3,200,141 3,201,142 3,202,143 3,203,144 3,204,145 3,205,146 3,206,147 3,207,148 3,208,149 3,209,150 3,210,151 3,211,152 3,212,153 3,213,154 3,214,155 3,215,156 3,216,157 3,217,158 3,218,159 3,219,160 3,220,161 3,221,162 3,222,163 3,223,164 3,224,165 3,225,166 3,226,167 3,227,168 3,228,169 3,229,170 3,230,171 3,231,172 3,232,173 3,233,174 3,234,175 3,235,176 3,236,177 3,237,178 3,238,179 3,239,180 3,240,181 3,241,182 3,242,183 3,243,184 3,244,185 3,245,186 3,246,187 3,247,188 3,248,189 3,249,190 3,250,191 3,251,192 3,252,193 3,253,194 3,254,195 3,255,196 3,256,197 3,257,198 3,258,199 3,259,200 3,260,201 3,261,202 3,262,203 
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## 1149

2,855,048

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85: Re.24,652  
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2,883,026  
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**Class 193**

1: 2, 870, 894  
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2: 2, 873, 835  
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9: 2, 912, 089  
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25: 2, 890, 779

27: 2, 890, 780  
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30: 2, 906, 384  
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34: 2, 903, 115  
35: 2, 873, 011  
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## 1151

29: 2,887,214	38: 2,890,300	61.39: 2,899,510	80: 2,903,585	87: 2,896,044	103: 2,878,338	116: 2,889,428
32: 2,917,159	2,892,047	61.41: 2,879,350	2,904,651	2,896,045	2,890,308	2,908,756
61: 2,872,026	2,894,081	2,881,275	2,906,833	2,897,311	2,868,925	2,910,561
2,895,595	2,900,463	2,913,546	2,918,545	2,897,312	2,873,326	2,912,546
77: 2,883,038	2,902,554	2,913,547	2,875,291	2,897,313	2,874,245	117: 2,894,099
	2,903,528	2,917,594	2,885,500	2,898,420	2,874,246	2,902,566
	2,904,648	2,908,909	2,899,516	2,900,471	2,876,310	118: 2,915,550
	2,905,777	2,894,087	2,900,498	2,900,472	2,881,286	119: 2,907,849
1: 2,894,079	2,909,626	2,898,087	2,888,697	2,902,558	2,886,668	2,910,562
2,902,549	2,912,532	2,908,910	2,892,041	2,902,559	2,886,669	120: 2,870,294
2,910,551	2,916,570	2,871,310	2,887,586	2,903,536	2,889,425	2,871,314
2,908,775	2,917,591	2,872,538	2,916,576	2,904,653	2,889,426	2,877,321
4: 2,874,237	39: 2,905,778	2,881,277	2,874,242	2,904,654	2,890,309	2,877,322
2,908,776	42: 2,898,905	2,885,503	2,875,292	2,905,784	2,892,058	2,878,341
5: 2,907,273	2,887,463	2,890,303	2,891,120	2,905,785	2,894,095	2,880,289
2,875,287	2,897,302	2,892,049	2,895,024	2,906,781	2,895,029	2,892,061
2,876,301	2,898,413	2,894,088	2,900,459	2,911,403	2,896,047	2,895,031
2,876,302	2,898,906	2,895,023	2,901,570	2,911,494	2,896,048	121: 2,872,549
2,878,329	2,874,240	2,897,306	2,902,557	2,911,495	2,897,316	2,914,636
2,879,345	2,894,082	2,898,415	2,911,492	2,912,537	2,897,317	2,918,551
2,882,357	2,896,036	2,898,416	2,912,538	2,912,538	2,899,519	122: 2,876,311
2,882,482	46: 2,876,304	2,915,604	2,872,544	2,912,539	2,899,520	2,881,289
2,885,499	2,876,305	2,908,910	2,873,334	2,912,540	2,902,564	2,883,490
2,886,661	2,884,494	2,908,911	2,879,351	2,913,548	2,902,565	2,884,501
2,892,045	2,900,301	2,886,665	2,883,038	2,914,632	2,903,537	2,884,502
2,895,021	2,892,048	2,900,465	2,890,305	2,915,606	2,904,657	2,889,429
2,903,773	2,892,907	2,912,534	2,895,025	2,915,607	2,905,788	2,891,124
2,913,542	2,903,529	2,914,628	2,897,310	2,916,578	2,907,847	2,896,051
2,916,566	2,910,553	2,887,545	2,898,418	2,916,579	2,907,848	2,897,318
6: 2,872,535	47: 2,897,697	2,912,535	2,900,470	2,916,580	2,908,784	2,897,319
2,875,288	2,914,626	2,885,504	2,907,843	2,917,598	2,908,785	2,901,575
2,876,303	48: 2,871,309	2,879,349	2,909,627	2,917,599	2,911,498	2,902,567
2,885,500	2,873,325	2,903,533	2,912,536	2,917,600	2,912,542	2,905,790
2,894,080	2,878,331	2,870,280	2,914,630	2,918,547	2,913,551	2,907,850
2,897,299	2,880,923	2,888,530	2,916,577	88: 2,876,308	2,916,584	2,911,503
2,900,460	50: Re. 24,096	2,910,315	2,917,597	2,876,309	2,916,585	2,913,554
2,903,527	2,875,289	2,885,505	2,918,546	2,884,497	2,917,601	2,914,637
2,909,624	2,878,332	2,891,115	2,919,321	2,892,054	2,918,326	2,915,608
2,912,527	2,879,347	2,894,089		2,895,028	2,919,327	123: 2,913,555
8: 2,868,001	2,882,350	2,896,040	84: 2,868,918	2,897,314	2,897,314	124: 2,875,297
2,878,330	2,883,483	2,870,284	2,870,284	2,900,473	2,900,473	125: 2,874,248
2,881,272	2,883,484	2,894,090	2,874,243	2,902,560	2,902,560	2,898,424
2,870,274	2,885,501	2,894,091	2,877,318	2,904,655	2,912,543	127: 2,903,538
2,870,275	2,885,502	2,891,116	2,878,335	2,906,835	2,906,835	129: 2,903,539
2,870,276	2,888,529	2,889,422	2,882,365	2,908,782	2,908,782	2,918,557
2,888,528	2,889,421	2,877,313	2,882,366	2,913,549	2,913,549	130: 2,902,568
2,895,033	2,890,421	2,882,360	2,885,507	2,891,121	2,891,121	131: 2,870,295
2,900,461	2,890,422	2,883,031	2,888,531	2,897,315	2,897,315	2,874,249
2,900,462	2,894,083	2,898,915	2,894,092	2,898,421	2,912,544	2,898,425
2,904,647	2,894,084	2,875,290	2,894,093	2,904,656	2,917,603	2,900,475
2,905,774	2,894,085	2,911,491	2,899,517	2,905,786	2,905,786	2,916,587
2,908,777	2,900,464	2,899,511	2,899,518	2,898,924	2,911,499	133: 2,883,491
2,918,541	2,902,555	2,897,307	2,903,532	2,897,319	2,912,545	2,899,521
16: Re. 24,596	2,904,649	2,871,311	2,904,652	2,904,652	2,879,353	2,901,576
2,878,368	2,907,839	2,914,629	2,905,783	2,905,783	2,883,489	2,905,791
2,880,284	2,907,840	61.89: 2,881,278	2,906,834	2,906,834	2,888,534	2,910,563
2,881,273	2,912,533	61.93: 2,870,281	2,907,844	2,907,844	2,893,030	2,914,638
2,882,358	2,916,571	62: 2,878,333	2,907,845	2,907,845	2,902,562	135: 2,873,327
2,885,034	2,917,592	65: 2,901,567	2,914,631	2,914,631	2,906,836	2,876,312
2,902,550	2,917,593	66: 2,903,530	2,915,605	2,915,605	2,906,837	2,892,062
2,909,625	2,919,316	67: 2,867,700	85: 2,868,919	2,868,919	2,916,581	2,911,504
2,916,567	51: 2,880,285	2,868,913	2,879,352	2,879,352	2,919,322	2,915,609
2,919,315	2,894,086	2,870,282	2,898,419	2,898,419	2,881,282	136: 2,909,531
18: 2,872,536	2,896,037	2,872,540	86: 2,885,508	2,885,508	2,918,548	2,902,569
2,890,268	2,901,564	2,881,279	2,896,042	2,896,042	2,870,288	138: 3: 2,902,569
2,890,269	2,914,627	2,891,119	2,909,628	2,909,628	2,872,545	137: 2,874,250
2,906,832	2,918,543	2,892,050	89: 2,872,542	2,872,542	2,880,288	2,891,125
2,880,418	51.08: 2,910,554	2,892,908	2,878,336	2,878,336	2,891,122	2,878,340
2,880,778	51.1: 2,901,565	2,897,308	87: 2,867,701	2,867,701	2,905,787	2,879,354
2,916,568	51.12: 2,919,317	2,899,512	2,867,702	2,867,702	2,909,629	2,879,355
21: 2,879,346	51.14: 2,898,414	2,899,513	2,898,920	2,898,920	2,910,558	2,887,547
24: 2,902,551	51.17: 2,905,779	2,900,466	2,898,921	2,898,921	2,871,312	2,892,060
2,910,552	52: 2,916,572	2,901,568	2,898,922	2,898,922	2,872,546	2,892,910
25: 2,912,529	56: 2,867,698	2,903,531	2,898,923	2,898,923	2,872,547	2,896,049
2,905,775	2,880,286	2,905,780	2,870,285	2,870,285	2,881,283	2,896,050
2,902,552	2,913,545	2,905,781	2,870,286	2,870,286	2,884,498	2,881,290
2,918,542	60: 2,886,664	2,905,782	2,870,287	2,870,287	2,888,533	2,882,371
30: 2,868,903	2,897,303	2,910,556	2,872,543	2,872,543	2,890,307	2,888,536
2,890,035	2,881,274	2,917,595	2,872,544	2,872,544	2,891,123	2,888,537
31: 2,872,537	2,901,566	2,919,319	2,874,244	2,874,244	2,892,055	2,889,430
2,873,324	61.05: 2,907,841	68: 2,868,914	2,875,293	2,875,293	2,895,026	2,890,311
2,902,553	61.06: 2,887,544	73: 2,896,041	2,876,307	2,876,307	2,901,572	2,891,126
2,912,530	2,897,304	74: 2,910,557	2,877,314	2,877,314	2,902,563	2,891,127
2,912,531	61.08: 2,903,534	76: 2,916,575	2,877,315	2,877,315	2,907,846	2,891,128
2,913,543	61.09: 2,878,342	2,918,544	2,877,316	2,877,316	2,908,786	2,896,052
2,914,625	61.11: 2,870,279	77: 2,881,280	2,881,281	2,881,281	2,910,559	2,897,320
32: 2,868,904	61.13: 2,882,361	80: 2,868,916	2,882,367	2,882,367	2,919,323	2,897,321
2,880,602	2,884,495	2,868,917	2,882,368	2,882,368	2,914,634	2,901,577
2,911,489	2,916,574	2,870,283	2,882,369	2,882,369	2,905,789	2,906,839
33: 2,897,300	61.15: 2,910,555	2,876,315	2,883,486	2,883,486	2,910,590	2,906,840
2,916,569	61.18: 2,904,650	2,876,316	2,883,487	2,883,487	2,911,497	2,907,851
34: 2,892,905	61.2: 2,906,038	2,876,317	2,885,509	2,885,509	2,919,325	2,873,329
35: 2,897,301	61.21: 2,898,039	2,880,287	2,885,510	2,885,510	2,870,289	115.5: 2,875,295
2,899,509	61.24: 2,882,362	2,882,364	2,885,511	2,885,511	2,881,285	2,868,928
2,913,544	61.25: 2,898,907	2,884,496	2,888,532	2,888,532	2,892,057	2,902,566
37: 2,877,317	2,868,908	2,886,666	2,889,423	2,889,423	2,916,582	2,871,317
2,887,543	2,874,241	2,890,304	2,889,424	2,889,424	2,881,284	2,879,358
2,892,906	2,876,306	2,897,309	2,890,306	2,890,306	2,885,512	2,885,513
2,905,776	2,908,779	2,898,417	2,892,052	2,892,052	2,912,541	2,889,432
38: 2,870,278	61.26: 2,882,363	2,899,514	2,893,026	2,893,026	2,913,550	2,892,063
2,874,238	2,895,022	2,899,515	2,895,027	2,895,027	2,916,583	2,901,578
2,874,239	61.29: 2,897,305	2,900,467	2,895,028	2,895,028	2,918,549	2,915,610
2,889,419	61.34: 2,902,556	2,901,569	2,896,043	2,896,043	102: 2,896,046	



Class 200—Con.		Class 201		Class 202		Class 203		Class 204	
142: 2,870,297	157: 2,881,292	48: 2,886,678	2,886,679	6: 2,875,137	87: 2,899,365	33: 2,912,369	68: 2,876,181	162: 2,889,259	196: 2,876,190
2,875,298	2,877,323	2,886,680	2,886,681	2,875,138	91: 2,895,885	34: 2,918,415	2,913,381	2,890,900	2,893,938
2,875,299	2,886,674	2,886,682	2,886,683	2,875,139	93: 2,871,170	35: 2,918,416	2,913,382	2,903,404	2,903,939
2,883,492	2,903,540	2,886,684	2,886,685	2,875,140	95: 2,881,117	36: 2,918,417	2,903,405	2,906,680	2,906,938
2,888,538	2,907,552	2,886,686	2,886,687	2,875,141	100: 2,903,400	37: 2,876,176	2,906,681	2,914,432	2,914,433
2,898,426	2,919,333	2,886,688	2,886,689	2,875,142	136: 2,872,386	38: 2,876,177	2,914,434	2,916,429	2,916,430
2,917,606	2,927,611	2,886,690	2,886,691	2,875,143	141: 2,872,385	39: 2,876,178	2,916,431	2,918,420	2,918,421
2,928,426	2,937,611	2,886,692	2,886,693	2,875,144	158: 2,876,175	40: 2,876,179	2,918,422	2,920,421	2,920,422
2,938,426	2,947,611	2,886,694	2,886,695	2,875,145	160: 2,876,176	41: 2,876,180	2,920,423	2,922,422	2,922,423
2,948,426	2,957,611	2,886,696	2,886,697	2,875,146	161: 2,876,177	42: 2,876,181	2,922,424	2,924,421	2,924,422
2,958,426	2,967,611	2,886,698	2,886,699	2,875,147	162: 2,876,178	43: 2,876,182	2,924,423	2,926,422	2,926,423
2,968,426	2,977,611	2,886,700	2,886,701	2,875,148	163: 2,876,179	44: 2,876,183	2,926,424	2,928,421	2,928,422
2,978,426	2,987,611	2,886,702	2,886,703	2,875,149	164: 2,876,180	45: 2,876,184	2,928,425	2,930,422	2,930,423
2,988,426	2,997,611	2,886,704	2,886,705	2,875,150	165: 2,876,181	46: 2,876,185	2,930,426	2,932,423	2,932,424
2,998,426	3,007,611	2,886,706	2,886,707	2,875,151	166: 2,876,182	47: 2,876,186	2,932,427	2,934,424	2,934,425
3,008,426	3,017,611	2,886,708	2,886,709	2,875,152	167: 2,876,183	48: 2,876,187	2,934,428	2,936,425	2,936,426
3,018,426	3,027,611	2,886,710	2,886,711	2,875,153	168: 2,876,184	49: 2,876,188	2,936,429	2,938,426	2,938,427
3,028,426	3,037,611	2,886,712	2,886,713	2,875,154	169: 2,876,185	50: 2,876,189	2,938,430	2,940,427	2,940,428
3,038,426	3,047,611	2,886,714	2,886,715	2,875,155	170: 2,876,186	51: 2,876,190	2,940,431	2,942,428	2,942,429
3,048,426	3,057,611	2,886,716	2,886,717	2,875,156	171: 2,876,187	52: 2,876,191	2,942,432	2,944,429	2,944,430
3,058,426	3,067,611	2,886,718	2,886,719	2,875,157	172: 2,876,188	53: 2,876,192	2,944,433	2,946,430	2,946,431
3,068,426	3,077,611	2,886,720	2,886,721	2,875,158	173: 2,876,189	54: 2,876,193	2,946,434	2,948,431	2,948,432
3,078,426	3,087,611	2,886,722	2,886,723	2,875,159	174: 2,876,190	55: 2,876,194	2,948,435	2,950,432	2,950,433
3,088,426	3,097,611	2,886,724	2,886,725	2,875,160	175: 2,876,191	56: 2,876,195	2,950,436	2,952,433	2,952,434
3,098,426	3,107,611	2,886,726	2,886,727	2,875,161	176: 2,876,192	57: 2,876,196	2,952,437	2,954,434	2,954,435
3,108,426	3,117,611	2,886,728	2,886,729	2,875,162	177: 2,876,193	58: 2,876,197	2,954,438	2,956,435	2,956,436
3,118,426	3,127,611	2,886,730	2,886,731	2,875,163	178: 2,876,194	59: 2,876,198	2,956,439	2,958,436	2,958,437
3,128,426	3,137,611	2,886,732	2,886,733	2,875,164	179: 2,876,195	60: 2,876,199	2,958,440	2,960,437	2,960,438
3,138,426	3,147,611	2,886,734	2,886,735	2,875,165	180: 2,876,196	61: 2,876,200	2,960,441	2,962,438	2,962,439
3,148,426	3,157,611	2,886,736	2,886,737	2,875,166	181: 2,876,197	62: 2,876,201	2,962,442	2,964,439	2,964,440
3,158,426	3,167,611	2,886,738	2,886,739	2,875,167	182: 2,876,198	63: 2,876,202	2,964,443	2,966,440	2,966,441
3,168,426	3,177,611	2,886,740	2,886,741	2,875,168	183: 2,876,199	64: 2,876,203	2,966,444	2,968,441	2,968,442
3,178,426	3,187,611	2,886,742	2,886,743	2,875,169	184: 2,876,200	65: 2,876,204	2,968,445	2,970,442	2,970,443
3,188,426	3,197,611	2,886,744	2,886,745	2,875,170	185: 2,876,201	66: 2,876,205	2,970,446	2,972,443	2,972,444
3,198,426	3,207,611	2,886,746	2,886,747	2,875,171	186: 2,876,202	67: 2,876,206	2,972,447	2,974,444	2,974,445
3,208,426	3,217,611	2,886,748	2,886,749	2,875,172	187: 2,876,203	68: 2,876,207	2,974,448	2,976,445	2,976,446
3,218,426	3,227,611	2,886,750	2,886,751	2,875,173	188: 2,876,204	69: 2,876,208	2,976,449	2,978,446	2,978,447
3,228,426	3,237,611	2,886,752	2,886,753	2,875,174	189: 2,876,205	70: 2,876,209	2,978,450	2,980,447	2,980,448
3,238,426	3,247,611	2,886,754	2,886,755	2,875,175	190: 2,876,206	71: 2,876,210	2,980,451	2,982,448	2,982,449
3,248,426	3,257,611	2,886,756	2,886,757	2,875,176	191: 2,876,207	72: 2,876,211	2,982,452	2,984,449	2,984,450
3,258,426	3,267,611	2,886,758	2,886,759	2,875,177	192: 2,876,208	73: 2,876,212	2,984,453	2,986,450	2,986,451
3,268,426	3,277,611	2,886,760	2,886,761	2,875,178	193: 2,876,209	74: 2,876,213	2,986,454	2,988,451	2,988,452
3,278,426	3,287,611	2,886,762	2,886,763	2,875,179	194: 2,876,210	75: 2,876,214	2,988,455	2,990,452	2,990,453
3,288,426	3,297,611	2,886,764	2,886,765	2,875,180	195: 2,876,211	76: 2,876,215	2,990,456	2,992,453	2,992,454
3,298,426	3,307,611	2,886,766	2,886,767	2,875,181	196: 2,876,212	77: 2,876,216	2,992,457	2,994,454	2,994,455
3,308,426	3,317,611	2,886,768	2,886,769	2,875,182	197: 2,876,213	78: 2,876,217	2,994,458	2,996,455	2,996,456
3,318,426	3,327,611	2,886,770	2,886,771	2,875,183	198: 2,876,214	79: 2,876,218	2,996,459	2,998,456	2,998,457
3,328,426	3,337,611	2,886,772	2,886,773	2,875,184	199: 2,876,215	80: 2,876,219	2,998,460	3,000,457	3,000,458
3,338,426	3,347,611	2,886,774	2,886,775	2,875,185	200: 2,876,216	81: 2,876,220	3,000,461	3,002,458	3,002,459
3,348,426	3,357,611	2,886,776	2,886,777	2,875,186	201: 2,876,217	82: 2,876,221	3,002,462	3,004,459	3,004,460
3,358,426	3,367,611	2,886,778	2,886,779	2,875,187	202: 2,876,218	83: 2,876,222	3,004,463	3,006,460	3,006,461
3,368,426	3,377,611	2,886,780	2,886,781	2,875,188	203: 2,876,219	84: 2,876,223	3,006,464	3,008,461	3,008,462
3,378,426	3,387,611	2,886,782	2,886,783	2,875,189	204: 2,876,220	85: 2,876,224	3,008,465	3,010,462	3,010,463
3,388,426	3,397,611	2,886,784	2,886,785	2,875,190	205: 2,876,221	86: 2,876,225	3,010,466	3,012,463	3,012,464
3,398,426	3,407,611	2,886,786	2,886,787	2,875,191	206: 2,876,222	87: 2,876,226	3,012,467	3,014,464	3,014,465
3,408,426	3,417,611	2,886,788	2,886,789	2,875,192	207: 2,876,223	88: 2,876,227	3,014,468	3,016,465	3,016,466
3,418,426	3,427,611	2,886,790	2,886,791	2,875,193	208: 2,876,224	89: 2,876,228	3,016,469	3,018,466	3,018,467
3,428,426	3,437,611	2,886,792	2,886,793	2,875,194	209: 2,876,225	90: 2,876,229	3,018,470	3,020,467	3,020,468
3,438,426	3,447,611	2,886,794	2,886,795	2,875,195	210: 2,876,226	91: 2,876,230	3,020,471	3,022,468	3,022,469
3,448,426	3,457,611	2,886,796	2,886,797	2,875,196	211: 2,876,227	92: 2,876,231	3,022,472	3,024,469	3,024,470
3,458,426	3,467,611	2,886,798	2,886,799	2,875,197	212: 2,876,228	93: 2,876,232	3,024,473	3,026,470	3,026,471
3,468,426	3,477,611	2,886,800	2,886,801	2,875,198	213: 2,876,229	94: 2,876,233	3,026,474	3,028,471	3,028,472
3,478,426	3,487,611	2,886,802	2,886,803	2,875,199	214: 2,876,230	95: 2,876,234	3,028,475	3,030,472	3,030,473
3,488,426	3,497,611	2,886,804	2,886,805	2,875,200	215: 2,876,231	96: 2,876,235	3,030,476	3,032,473	3,032,474
3,498,426	3,507,611	2,886,806	2,886,807	2,875,201	216: 2,876,232	97: 2,876,236	3,032,477	3,034,474	3,034,475
3,508,426	3,517,611	2,886,808	2,886,809	2,875,202	217: 2,876,233	98: 2,876,237	3,034,478	3,036,475	3,036,476
3,518,426	3,527,611	2,886,810	2,886,811	2,875,203	218: 2,876,234	99: 2,876,238	3,036,479	3,038,476	3,038,477
3,528,426	3,537,611	2,886,812	2,886,813	2,875,204	219: 2,876,235	100: 2,876,239	3,038,480	3,040,477	3,040,478
3,538,426	3,547,611	2,886,814	2,886,815	2,875,205	220: 2,876,236	101: 2,876,240	3,040,481	3,042,478	3,042,479
3,548,426	3,557,611	2,886,816	2,886,817	2,875,206	221: 2,876,237	102: 2,876,241	3,042,482	3,044,479	3,044,480
3,558,426	3,567,611	2,886,818	2,886,819	2,875,207	222: 2,876,238	103: 2,876,242	3,044,483	3,046,480	3,046,481
3,568,426	3,577,611	2,886,820	2,886,821	2,875,208	223: 2,876,239	104: 2,876,243	3,046,484	3,048,481	3,048,482
3,578,426	3,587,611	2,886,822	2,886,823	2,875,209	224: 2,876,240	105: 2,876,244	3,048,485	3,050,482	3,050,483
3,588,426	3,597,611	2,886,824	2,886,825	2,875,210	225: 2,876,241	106: 2,876,245	3,050,486	3,052,483	3,052,484
3,598,426	3,607,611	2,886,826	2,886,827	2,875,211	226: 2,876,242	107: 2,876,246	3,052,487	3,054,484	3,054,485
3,608,426	3,617,611	2,886,828	2,886,829	2,875,212	227: 2,876,243	108: 2,876,247	3,054,488	3,056,485	3,056,486
3,618,426	3,627,611	2,886,830	2,886,831	2,875,213	228: 2,876,244	109: 2,876,248	3,056,489	3,058,486	3,058,487
3,628,426	3,637,611	2,886,832	2,886,833	2,875,214	229: 2,876,245	110: 2,876,249	3,058,490	3,060,487	3,060,488
3,									



Class 205—Con.		Class 206		Class 207		Class 208		Class 209		Class 210	
74: 2,882,218	111: 2,897,134	139: 2,890,167	208: 2,877,176	350: 2,900,334	144: 2,910,178	4: 2,875,151	44: 2,910,178	3: 2,881,916	167: 2,919,026	4: 2,875,151	44: 2,910,178
2,883,332	2,914,461	2,911,358	2,899,385	2,908,640	2,913,110	5: 2,893,957	2,913,110	2,887,225	2,919,026	5: 2,893,957	2,913,110
2,890,164	2,894,898	2,870,086	2,897,141	2,901,425	2,913,111	11: 2,897,148	2,913,111	2,903,131	2,919,026	11: 2,897,148	2,913,111
2,891,903	2,897,135	2,880,168	2,899,272	2,912,377	2,914,172	14: 2,881,137	2,914,172	2,907,455	2,919,026	14: 2,881,137	2,914,172
2,900,324	2,905,628	2,881,132	2,902,440	2,915,462	2,915,462	18: 2,899,056	2,915,462	2,907,455	2,919,026	18: 2,899,056	2,915,462
2,906,692	2,914,462	2,892,770	2,904,309	2,915,462	2,915,462	21: 2,903,423	2,915,462	2,907,455	2,919,026	21: 2,903,423	2,915,462
2,908,630	2,902,432	2,897,137	2,904,309	2,915,462	2,915,462	31: 2,911,362	2,915,462	2,907,455	2,919,026	31: 2,911,362	2,915,462
2,915,457	2,908,634	2,906,702	2,904,309	2,915,462	2,915,462	32: 2,874,117	2,915,462	2,907,455	2,919,026	32: 2,874,117	2,915,462
75: 2,908,631	2,916,436	2,908,636	2,904,309	2,915,462	2,915,462	35: 2,891,007	2,915,462	2,907,455	2,919,026	35: 2,891,007	2,915,462
78: 2,886,507	2,916,436	2,910,429	2,904,309	2,915,462	2,915,462	37: 2,878,183	2,915,462	2,907,455	2,919,026	37: 2,878,183	2,915,462
2,893,943	2,916,436	2,914,465	2,904,309	2,915,462	2,915,462	40: 2,887,451	2,915,462	2,907,455	2,919,026	40: 2,887,451	2,915,462
2,900,325	2,907,136	2,916,440	2,904,309	2,915,462	2,915,462	43: 2,903,424	2,915,462	2,907,455	2,919,026	43: 2,903,424	2,915,462
2,905,622	2,901,419	2,909,383	2,904,309	2,915,462	2,915,462	48: 2,897,149	2,915,462	2,907,455	2,919,026	48: 2,897,149	2,915,462
2,885,346	2,897,578	2,919,242	2,904,309	2,915,462	2,915,462	52: 2,914,378	2,915,462	2,907,455	2,919,026	52: 2,914,378	2,915,462
2,886,508	2,870,082	2,919,242	2,904,309	2,915,462	2,915,462	54: 2,883,357	2,915,462	2,907,455	2,919,026	54: 2,883,357	2,915,462
2,904,501	2,872,410	2,919,242	2,904,309	2,915,462	2,915,462	55: 2,872,414	2,915,462	2,907,455	2,919,026	55: 2,872,414	2,915,462
2,913,393	2,881,129	2,919,242	2,904,309	2,915,462	2,915,462	58: 2,898,724	2,915,462	2,907,455	2,919,026	58: 2,898,724	2,915,462
2,914,457	2,886,512	2,919,242	2,904,309	2,915,462	2,915,462	59: 2,894,935	2,915,462	2,907,455	2,919,026	59: 2,894,935	2,915,462
2,918,422	2,887,449	2,919,242	2,904,309	2,915,462	2,915,462	63: 2,872,415	2,915,462	2,907,455	2,919,026	63: 2,872,415	2,915,462
2,919,241	2,887,450	2,919,242	2,904,309	2,915,462	2,915,462	64: 2,873,249	2,915,462	2,907,455	2,919,026	64: 2,873,249	2,915,462
81: 2,917,431	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	67: 2,873,026	2,915,462	2,907,455	2,919,026	67: 2,873,026	2,915,462
82: 2,901,416	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	70: 2,874,842	2,915,462	2,907,455	2,919,026	70: 2,874,842	2,915,462
84: 2,900,966	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	72: 2,892,544	2,915,462	2,907,455	2,919,026	72: 2,892,544	2,915,462
85: 2,879,222	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	73: 2,889,927	2,915,462	2,907,455	2,919,026	73: 2,889,927	2,915,462
86: 2,882,219	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	75: 2,875,899	2,915,462	2,907,455	2,919,026	75: 2,875,899	2,915,462
87: 2,898,716	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	80: 2,879,891	2,915,462	2,907,455	2,919,026	80: 2,879,891	2,915,462
2,902,428	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	82: 2,879,891	2,915,462	2,907,455	2,919,026	82: 2,879,891	2,915,462
2,906,693	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	83: 2,890,078	2,915,462	2,907,455	2,919,026	83: 2,890,078	2,915,462
2,913,394	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	85: 2,883,054	2,915,462	2,907,455	2,919,026	85: 2,883,054	2,915,462
2,913,395	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	90: 2,878,986	2,915,462	2,907,455	2,919,026	90: 2,878,986	2,915,462
88: 2,897,577	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	91: 2,898,379	2,915,462	2,907,455	2,919,026	91: 2,898,379	2,915,462
2,870,081	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	93: 2,884,131	2,915,462	2,907,455	2,919,026	93: 2,884,131	2,915,462
2,911,353	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	95: 2,909,284	2,915,462	2,907,455	2,919,026	95: 2,909,284	2,915,462
2,914,458	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	97: 2,897,324	2,915,462	2,907,455	2,919,026	97: 2,897,324	2,915,462
2,889,264	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	104: 2,897,324	2,915,462	2,907,455	2,919,026	104: 2,897,324	2,915,462
2,890,165	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	105: 2,902,155	2,915,462	2,907,455	2,919,026	105: 2,902,155	2,915,462
2,898,287	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	106: 2,897,327	2,915,462	2,907,455	2,919,026	106: 2,897,327	2,915,462
2,902,429	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	107: 2,891,068	2,915,462	2,907,455	2,919,026	107: 2,891,068	2,915,462
2,903,415	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	108: 2,879,893	2,915,462	2,907,455	2,919,026	108: 2,879,893	2,915,462
2,905,624	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	109: 2,902,156	2,915,462	2,907,455	2,919,026	109: 2,902,156	2,915,462
2,905,625	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	110: 2,907,460	2,915,462	2,907,455	2,919,026	110: 2,907,460	2,915,462
2,905,626	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	111: 2,908,380	2,915,462	2,907,455	2,919,026	111: 2,908,380	2,915,462
2,905,627	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	112: 2,907,460	2,915,462	2,907,455	2,919,026	112: 2,907,460	2,915,462
2,905,628	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	113: 2,894,841	2,915,462	2,907,455	2,919,026	113: 2,894,841	2,915,462
2,905,629	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	114: 2,891,920	2,915,462	2,907,455	2,919,026	114: 2,891,920	2,915,462
2,905,630	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	115: 2,902,157	2,915,462	2,907,455	2,919,026	115: 2,902,157	2,915,462
2,905,631	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	116: 2,897,324	2,915,462	2,907,455	2,919,026	116: 2,897,324	2,915,462
2,905,632	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	117: 2,897,324	2,915,462	2,907,455	2,919,026	117: 2,897,324	2,915,462
2,905,633	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	118: 2,897,324	2,915,462	2,907,455	2,919,026	118: 2,897,324	2,915,462
2,905,634	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	119: 2,897,324	2,915,462	2,907,455	2,919,026	119: 2,897,324	2,915,462
2,905,635	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	120: 2,897,324	2,915,462	2,907,455	2,919,026	120: 2,897,324	2,915,462
2,905,636	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	121: 2,897,324	2,915,462	2,907,455	2,919,026	121: 2,897,324	2,915,462
2,905,637	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	122: 2,897,324	2,915,462	2,907,455	2,919,026	122: 2,897,324	2,915,462
2,905,638	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	123: 2,897,324	2,915,462	2,907,455	2,919,026	123: 2,897,324	2,915,462
2,905,639	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	124: 2,897,324	2,915,462	2,907,455	2,919,026	124: 2,897,324	2,915,462
2,905,640	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	125: 2,897,324	2,915,462	2,907,455	2,919,026	125: 2,897,324	2,915,462
2,905,641	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	126: 2,897,324	2,915,462	2,907,455	2,919,026	126: 2,897,324	2,915,462
2,905,642	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	127: 2,897,324	2,915,462	2,907,455	2,919,026	127: 2,897,324	2,915,462
2,905,643	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	128: 2,897,324	2,915,462	2,907,455	2,919,026	128: 2,897,324	2,915,462
2,905,644	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	129: 2,897,324	2,915,462	2,907,455	2,919,026	129: 2,897,324	2,915,462
2,905,645	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	130: 2,897,324	2,915,462	2,907,455	2,919,026	130: 2,897,324	2,915,462
2,905,646	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	131: 2,897,324	2,915,462	2,907,455	2,919,026	131: 2,897,324	2,915,462
2,905,647	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	132: 2,897,324	2,915,462	2,907,455	2,919,026	132: 2,897,324	2,915,462
2,905,648	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	133: 2,897,324	2,915,462	2,907,455	2,919,026	133: 2,897,324	2,915,462
2,905,649	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	134: 2,897,324	2,915,462	2,907,455	2,919,026	134: 2,897,324	2,915,462
2,905,650	2,916,437	2,919,242	2,904,309	2,915,462	2,915,462	135: 2,897,324	2,915,462	2,907,455	2,		



Class 214—Con.	83. 28: 2,901,133	313: 2,909,297	Class 215	55: 2,873,040	10. 79: 2,879,366	29: 2,894,106
16. 1: 2,901,130	83. 3: 2,899,006	314: 2,872,058	1: 2,880,898	2,878,953	2,896,685	2,900,481
2,911,115	83. 32: 2,883,076	315: 2,901,136	2,905,350	2,886,200	2,916,565	2,917,614
2,915,203	83. 36: 2,870,923	316: 2,905,344	6: 2,869,745	58: 2,868,403	2,870,311	2,871,335
2,916,166	84: 2,889,945	317: 2,899,092	2,883,082		2,870,312	2,883,510
2,916,167	2,889,946	318: 2,886,196	2,884,148		2,873,347	2,897,336
2,916,168	2,895,027	330: 2,910,201	2,885,104		2,874,259	2,902,578
2,917,190	2,904,196	332: 2,874,861	2,900,100		2,875,313	2,902,579
2,899,739	2,910,197	2,877,911	9: 2,867,342		2,876,326	2,908,794
2,896,800	2,914,199	2,877,912	2,881,934		2,877,331	2,916,596
2,915,204	2,914,200	2,877,913	2,908,413		2,877,332	2,917,615
2,917,191	2,915,207	340: 2,910,202	2,877,917		2,879,367	2,918,559
2,896,801	85: 2,880,893	372: 2,893,577	11: 2,870,930		2,881,269	33: 2,881,301
2,907,479	2,889,090	2,917,193	2,879,911		2,889,439	34: 2,867,710
2,873,037	2,900,094	373: 2,870,928	2,881,935		2,889,440	
2,876,914	86: Re. 24,719	375: 2,916,170	2,887,239		2,879,369	
2,877,907	2,913,131	378: 2,893,578	2,889,063		2,880,317	
2,878,949	89: 2,872,057	379: 2,893,579	2,889,064		2,894,102	
2,879,903	2,902,181	390: 2,897,089	2,892,559		2,897,993	
2,879,904	92: 2,869,741	392: 2,902,183	2,907,485		2,903,149	
2,879,905	93: 2,879,907	2,904,200	2,908,065		2,908,415	
2,880,892	95: 2,885,098	394: 2,875,911	2,917,197		2,909,526	
2,884,145	2,900,095	2,889,061	13: 2,880,899		2,899,527	
2,884,146	2,904,197	2,893,580	2,881,936		2,902,574	
2,888,155	2,904,198	2,901,137	2,893,584		2,902,575	
2,890,803	2,889,947	2,913,132	2,909,300		2,903,541	
2,890,804	2,892,557	396: 2,890,803	19: 2,889,747		2,917,616	
2,891,685	2,901,134	2,892,558	21: 2,918,187		2,903,546	
2,892,552	130: 2,874,860	2,895,102	31: 2,886,198		2,903,547	
2,895,025	2,886,192	2,887,237	32: 2,896,407		2,904,665	
2,895,026	2,886,193	2,889,950	37: 2,884,149		2,906,843	
2,901,131	131: 2,879,908	2,895,628	38: 2,872,064		2,906,844	
2,906,417	2,897,986	2,896,804	2,885,105		2,908,791	
2,907,480	2,912,130	2,907,483	2,891,699		2,909,527	
2,908,406	2,912,131	2,907,484	2,897,092		2,910,567	
2,911,116	2,914,201	501: 2,917,194	2,897,093		2,912,555	
2,912,126	134: 2,876,920	501: 2,914,204	2,898,000		2,912,556	
2,912,127	138: 2,870,924	502: 2,905,345	2,898,001		2,914,643	
2,914,198	2,873,871	2,872,059	2,901,139		2,915,612	
2,915,205	2,878,950	2,876,922	2,906,421		2,916,594	
2,918,185	2,878,951	2,879,909	2,916,173		2,917,613	
2,892,553	2,880,894	2,887,238	2,898,746		2,920,313	
2,893,575	2,890,805	2,895,629	2,898,747		2,920,314	
2,893,576	2,896,802	2,901,138	2,898,748		2,903,550	
2,897,983	2,903,145	2,907,484	2,898,749		2,912,559	
2,904,195	140: Re. 24,746	2,908,412	2,898,750		2,912,560	
2,910,194	2,881,931	2,915,209	2,898,751		2,914,644	
2,911,117	2,883,077	2,917,195	2,898,752		2,915,613	
2,910,195	2,887,236	2,888,158	2,904,204		2,916,595	
2,891,686	2,892,558	2,905,346	2,913,134		2,916,596	
2,892,559	2,897,987	510: 2,885,103	2,914,206		2,916,597	
2,892,560	2,897,988	512: 2,883,079	2,915,211		2,917,614	
2,892,561	2,897,989	2,903,147	2,916,174		2,917,615	
2,892,562	2,897,990	2,903,148	2,916,175		2,917,616	
2,892,563	2,897,991	2,903,149	2,916,176		2,917,617	
2,892,564	2,897,992	2,903,150	2,916,177		2,917,618	
2,892,565	2,897,993	2,903,151	2,916,178		2,917,619	
2,892,566	2,897,994	2,903,152	2,916,179		2,917,620	
2,892,567	2,897,995	2,903,153	2,916,180		2,917,621	
2,892,568	2,897,996	2,903,154	2,916,181		2,917,622	
2,892,569	2,897,997	2,903,155	2,916,182		2,917,623	
2,892,570	2,897,998	2,903,156	2,916,183		2,917,624	
2,892,571	2,897,999	2,903,157	2,916,184		2,917,625	
2,892,572	2,898,000	2,903,158	2,916,185		2,917,626	
2,892,573	2,898,001	2,903,159	2,916,186		2,917,627	
2,892,574	2,898,002	2,903,160	2,916,187		2,917,628	
2,892,575	2,898,003	2,903,161	2,916,188		2,917,629	
2,892,576	2,898,004	2,903,162	2,916,189		2,917,630	
2,892,577	2,898,005	2,903,163	2,916,190		2,917,631	
2,892,578	2,898,006	2,903,164	2,916,191		2,917,632	
2,892,579	2,898,007	2,903,165	2,916,192		2,917,633	
2,892,580	2,898,008	2,903,166	2,916,193		2,917,634	
2,892,581	2,898,009	2,903,167	2,916,194		2,917,635	
2,892,582	2,898,010	2,903,168	2,916,195		2,917,636	
2,892,583	2,898,011	2,903,169	2,916,196		2,917,637	
2,892,584	2,898,012	2,903,170	2,916,197		2,917,638	
2,892,585	2,898,013	2,903,171	2,916,198		2,917,639	
2,892,586	2,898,014	2,903,172	2,916,199		2,917,640	
2,892,587	2,898,015	2,903,173	2,916,200		2,917,641	
2,892,588	2,898,016	2,903,174	2,916,201		2,917,642	
2,892,589	2,898,017	2,903,175	2,916,202		2,917,643	
2,892,590	2,898,018	2,903,176	2,916,203		2,917,644	
2,892,591	2,898,019	2,903,177	2,916,204		2,917,645	
2,892,592	2,898,020	2,903,178	2,916,205		2,917,646	
2,892,593	2,898,021	2,903,179	2,916,206		2,917,647	
2,892,594	2,898,022	2,903,180	2,916,207		2,917,648	
2,892,595	2,898,023	2,903,181	2,916,208		2,917,649	
2,892,596	2,898,024	2,903,182	2,916,209		2,917,650	
2,892,597	2,898,025	2,903,183	2,916,210		2,917,651	
2,892,598	2,898,026	2,903,184	2,916,211		2,917,652	
2,892,599	2,898,027	2,903,185	2,916,212		2,917,653	
2,892,600	2,898,028	2,903,186	2,916,213		2,917,654	
2,892,601	2,898,029	2,903,187	2,916,214		2,917,655	
2,892,602	2,898,030	2,903,188	2,916,215		2,917,656	
2,892,603	2,898,031	2,903,189	2,916,216		2,917,657	
2,892,604	2,898,032	2,903,190	2,916,217		2,917,658	
2,892,605	2,898,033	2,903,191	2,916,218		2,917,659	
2,892,606	2,898,034	2,903,192	2,916,219		2,917,660	
2,892,607	2,898,035	2,903,193	2,916,220		2,917,661	
2,892,608	2,898,036	2,903,194	2,916,221		2,917,662	
2,892,609	2,898,037	2,903,195	2,916,222		2,917,663	
2,892,610	2,898,038	2,903,196	2,916,223		2,917,664	
2,892,611	2,898,039	2,903,197	2,916,224		2,917,665	
2,892,612	2,898,040	2,903,198	2,916,225		2,917,666	
2,892,613	2,898,041	2,903,199	2,916,226		2,917,667	
2,892,614	2,898,042	2,903,200	2,916,227		2,917,668	
2,892,615	2,898,043	2,903,201	2,916,228		2,917,669	
2,892,616	2,898,044	2,903,202	2,916,229		2,917,670	
2,892,617	2,898,045	2,903,203	2,916,230		2,917,671	
2,892,618	2,898,046	2,903,204	2,916,231		2,917,672	
2,892,619	2,898,047	2,903,205	2,916,232		2,917,673	
2,892,620	2,898,048	2,903,206	2,916,233		2,917,674	
2,892,621	2,898,049	2,903,207	2,916,234		2,917,675	
2,892,622	2,898,050	2,903,208	2,916,235		2,917,676	
2,892,623	2,898,051	2,903,209	2,916,236		2,917,677	
2,892,624	2,898,052	2,903,210	2,916,237		2,917,678	
2,892,625	2,898,053	2,903,211	2,916,238		2,917,679	
2,892,626	2,898,054	2,903,212	2,916,239		2,917,680	
2,892,627	2,898,055	2,903,213	2,916,240		2,917,681	
2,892,628	2,898,056	2,903,214	2,916,241		2,917,682	
2,892,629	2,898,057	2,903,215	2,916,242		2,917,683	
2,892,630	2,898,058	2,903,216	2,916,243		2,917,684	
2,892,631	2,898,059	2,903,217	2,916,244		2,917,685	
2,892,632	2,898,060	2,903,218	2,916,245		2,917,686	
2,892,633	2,898,061	2,903,219	2,916,246		2,917,687	
2,892,634	2,898,062	2,903,220	2,916,247		2,917,688	
2,892,635	2,898,063	2,903,221	2,916,248		2,917,689	
2,892,636	2,898,064	2,903,222	2,916,249		2,917,690	
2,892,637	2,898,065	2,903,223	2,916,250		2,917,691	
2,892,638	2,898,066	2,903,224	2,916,251		2,917,692	
2,892,639	2,898,067	2,903,225	2,916,252		2,917,693	
2,892,640	2,898,068	2,903,226	2,916,253		2,917,694	
2,892,641	2,898,069	2,903,227	2,916,254		2,917,695	
2,892,642	2,898,070	2,903,228	2,916,255		2,917,696	
2,892,643	2,898,071	2,903,229	2,916,256		2,917,697	
2,892,644	2,898,072	2,903,230	2,916,257		2,917,698	
2,892,645	2,898,073	2,903,231	2,916,258		2,917,699	
2,892,646	2,898,074	2,903,232	2,916,259		2,917,700	
2,892,647	2,898,075	2,903,233	2,916,260		2,917,701	
2,892,648	2,898,076	2,903,234	2,916,261		2,917,702	
2,892,649	2,898,077	2,903,235	2,916,262		2,917,703</	



## Class 221—Con.

295: 2,877,928  
297: 2,906,434  
298: 2,875,924  
299: 2,890,907  
2,886,209  
2,892,569  
309: 2,899,105

## Class 222

1: 2,872,070  
2,873,048  
2,873,049  
2,877,929  
2,886,210  
2,893,595  
2,898,600  
2,893,601  
2,900,109  
2,905,361  
2,918,199  
3: 2,895,640  
2,904,217  
2,915,220  
5: Re.24,718  
2,878,965  
2,890,815  
2,894,658  
2,904,218  
14: 2,869,757  
16: 2,913,145  
20: 2,892,570  
23: 2,879,920  
25: 2,906,435  
26: 2,880,908  
2,886,211  
2,898,002  
29: 2,899,758  
30: 2,872,072  
33: 2,877,930  
35: 2,874,874  
2,874,875  
39: 2,875,925  
41: 2,888,170  
43: 2,892,571  
47: 2,888,171  
48: 2,869,759  
2,895,641  
54: 2,880,909  
55: 2,872,073  
2,872,074  
2,900,110  
2,913,146  
2,917,207  
56: 2,891,699  
2,905,362  
57: 2,899,303  
63: 2,887,249  
2,902,158  
2,907,495  
64: 2,867,354  
2,919,052  
65: 2,880,910  
67: 2,883,086  
68: 2,885,116  
70: 2,870,941  
2,872,075  
2,872,076  
2,876,932  
2,881,951  
2,905,363  
2,913,147  
72: 2,885,119  
2,894,659  
74: 2,900,111  
76: 2,869,760  
2,885,120  
2,887,250  
2,904,219  
2,914,217  
2,919,053  
77: 2,889,077  
2,893,602  
78: 2,870,942  
2,873,884  
79: 2,877,931  
2,888,172  
2,915,221  
80: 2,895,642  
81: 2,873,885  
2,903,161  
82: 2,899,106  
83: 2,877,932  
2,893,603  
2,911,129  
85: 2,876,933  
86: 2,851,932  
89: 2,912,141  
90: 2,868,415  
2,878,966  
2,895,643  
91: 2,873,886

92: 2,891,700  
2,907,496  
94: 2,873,887  
2,881,953  
2,905,364  
95: 2,889,078  
98: 2,875,926  
99: 2,873,888  
2,896,822  
2,903,162  
100: 2,872,077  
2,883,087  
102: 2,874,876  
2,876,934  
2,881,954  
2,901,147  
105: 2,880,911  
2,896,823  
107: 2,878,967  
2,898,003  
108: 2,894,660  
109: 2,889,079  
2,915,223  
129: 2,893,604  
2,898,004  
2,912,142  
129.1: 2,878,968  
129.4: 2,880,912  
2,903,163  
2,912,143  
130: 2,909,304  
131: 2,872,078  
2,879,921  
2,887,251  
2,914,218  
133: 2,878,969  
134: 2,873,889  
2,895,644  
2,914,219  
135: 2,898,005  
2,919,054  
136: 2,867,355  
2,873,890  
140: 2,904,220  
142: 2,886,212  
143: 2,890,816  
144: 2,873,891  
2,875,927  
145: 2,876,935  
2,893,605  
2,914,220  
146: 2,868,416  
2,904,221  
2,914,221  
148: 2,867,356  
2,904,222  
151: 2,899,108  
153: 2,889,081  
2,892,572  
2,915,224  
154: 2,898,006  
158: 2,869,761  
2,873,505  
161: 2,889,082  
162: 2,874,877  
2,885,121  
2,885,122  
2,895,645  
2,904,223  
2,914,222  
164: 2,906,436  
168: 2,896,824  
169: 2,910,212  
174: 2,893,606  
175: 2,894,661  
176: 2,874,878  
177: 2,874,880  
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340: 2,915,226  
349: 2,878,975  
365: 2,919,055  
367: 2,901,149  
368: 2,888,175  
2,898,011  
178: 2,872,080  
180: 2,868,417  
2,900,112  
181: 2,878,970  
2,881,955  
2,887,252  
2,895,646  
182: 2,870,943  
183: 2,902,190  
2,878,971  
2,888,173  
2,899,109  
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185: 2,881,956  
2,889,063  
2,901,148  
187: 2,885,123

159: 2,879,922  
2,886,213  
2,895,647  
2,903,164  
2,904,226  
190: 2,889,078  
191: 2,875,927  
193: 2,873,888  
2,886,214  
2,889,083  
2,893,608  
194: 2,914,223  
198: 2,905,365  
199: 2,902,189  
2,907,498  
205: 2,892,573  
207: 2,879,924  
2,884,164  
2,904,227  
211: 2,896,825  
212: 2,867,357  
2,884,165  
2,885,124  
2,888,174  
2,898,007  
213: 2,879,925  
2,908,423  
214: 2,880,913  
215: 2,899,110  
2,900,113  
219: 2,893,609  
2,913,148  
227: 2,913,149  
229: 2,881,957  
233: 2,895,648  
238: 2,890,111  
242: 2,894,662  
249: 2,872,082  
250: 2,877,933  
2,881,958  
2,883,088  
2,891,701  
2,908,424  
256: 2,886,215  
262: 2,908,425  
272: 2,907,499  
282: 2,886,216  
2,894,663  
303: 2,898,008  
308: 2,898,009  
309: 2,873,892  
310: 2,913,150  
311: Re.24,622  
2,907,500  
318: 2,894,664  
2,895,649  
320: 2,915,225  
321: 2,878,974  
2,880,914  
2,885,125  
2,889,084  
323: 2,877,934  
2,884,169  
2,889,065  
2,913,151  
325: 2,899,112  
326: 2,873,893  
2,876,936  
2,877,935  
327: 2,872,083  
2,887,253  
330: 2,904,228  
333: 2,872,084  
2,885,126  
334: 2,881,959  
2,889,084  
335: 2,913,152  
336: 2,899,113  
339: 2,898,010  
340: 2,915,226  
349: 2,878,975  
365: 2,919,055  
367: 2,901,149  
368: 2,888,175  
2,898,011  
370: 2,881,960  
2,901,150  
373: 2,898,418  
376: 2,872,085  
378: 2,894,665  
382: 2,869,762  
387: 2,895,650  
388: 2,869,763  
391: 2,899,085  
394: Re.24,599  
2,867,358  
2,868,419  
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2,883,089

394: 2,883,090  
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2,890,817  
2,892,574  
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2,900,114  
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2,912,144  
2,914,224  
396: 2,873,051  
2,888,176  
2,899,114  
399: 2,895,651  
410: 2,893,610  
416: 2,900,115  
421: Re.24,695  
2,874,881  
425: 2,902,191  
442: 2,885,652  
445: 2,889,066  
447: 2,903,165  
450: 2,887,254  
2,897,937  
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2,904,220  
453: Re.24,699  
2,881,961  
2,896,825  
2,898,013  
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459: 2,880,915  
2,901,151  
2,910,215  
463: 2,913,153  
466: 2,909,305  
473: 2,898,421  
2,881,962  
477: 2,900,116  
2,919,056  
478: 2,903,166  
479: 2,891,702  
480: 2,873,894  
2,903,167  
481: 2,885,127  
2,912,145  
481.5: 2,898,014  
484: 2,898,015  
2,916,189  
2,919,057  
485: 2,867,359  
2,907,501  
490: 2,896,827  
498: 2,878,976  
2,889,087  
2,890,817  
501: 2,898,016  
502: 2,877,938  
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507: 2,885,128  
509: 2,870,944  
512: 2,917,209  
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513: 2,913,154  
515: 2,908,426  
517: 2,883,091  
2,886,218  
2,916,190  
519: 2,885,129  
2,908,017  
521: 2,898,422  
2,898,219  
522: 2,873,895  
523: 2,899,088  
2,904,231  
525: 2,901,153  
527: 2,887,256  
528: 2,894,666  
529: 2,876,937  
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2,895,655  
531: 2,912,146  
536: 2,893,611  
539: 2,904,232  
540: 2,889,089  
541: 2,867,360  
542: 2,895,656  
543: 2,874,882  
2,891,704  
2,911,128  
545: 2,886,220  
548: 2,873,896  
551: 2,898,019  
553: 2,903,168  
555: 2,889,090  
2,916,191

557: 2,878,977  
2,907,502  
566: 2,893,613  
567: 2,873,897  
570: 2,873,052  
2,891,707  
2,899,117  
2,916,193  
574: 2,867,361  
2,889,098  
Class 223  
1: 2,905,369  
2,912,147  
2: 2,875,928  
2,879,926  
2,909,307  
2,917,211  
10: 2,914,225  
28: 2,906,441  
34: 2,879,927  
37: 2,894,667  
2,905,367  
2,913,155  
38: 2,880,916  
2,884,167  
42: 2,898,423  
43: 2,869,765  
2,890,818  
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46: 2,872,086  
2,884,169  
2,905,368  
2,909,308  
48: 2,885,130  
49: 2,872,087  
52.1: 2,886,221  
2,907,503  
57: 2,875,929  
63: 2,898,424  
67: 2,889,069  
68: 2,874,883  
2,879,928  
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2,885,131  
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2,894,668  
2,901,154  
2,902,192  
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2,915,228  
69: 2,887,257  
70: 2,881,963  
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2,898,020  
2,915,229  
71: 2,889,071  
73: 2,908,427  
74: 2,869,766  
75: 2,898,021  
2,898,022  
2,898,023  
2,902,193  
2,914,226  
76: 2,874,884  
2,915,230  
77: 2,883,093  
83: 2,870,945  
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84: 2,915,231  
85: 2,870,946  
2,876,938  
87: 2,910,214  
2,912,148  
88: 2,869,767  
2,873,898  
15: 2,902,196  
20: 2,889,974  
28: 2,903,172  
31: 2,892,577  
32: 2,890,819  
36: Re.24,656  
2,889,096  
38: 2,880,919  
42.1: 2,888,178  
2,907,506  
2,908,433  
2,914,231  
42.23: 2,913,159  
42.32: 2,905,370  
42.42: 2,874,885  
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2,908,431  
42.44: 2,911,130  
42.45: 2,904,237  
2,915,202  
42.46: 2,884,174  
2,896,828  
2,889,076  
45: 2,867,364  
2,875,934  
2,888,179  
2,907,507

46: 2,899,769  
2,892,578  
48: 2,896,825  
2,896,829  
50: 2,912,151  
Class 225  
6: 2,890,830  
7: 2,876,943  
12: 2,892,579  
19: 2,890,975  
25: 2,879,931  
26: 2,910,215  
32: 2,908,435  
39: 2,878,980  
2,888,180  
43: 2,890,821  
48: 2,889,098  
51: 2,888,181  
52: 2,893,616  
59: 2,879,932  
99: 2,913,160  
100: 2,911,131  
101: 2,911,132  
105: 2,902,197  
106: 2,874,886  
2,886,226  
Class 227  
25: 2,886,227  
27: 2,870,947  
30: 2,873,055  
49: 2,878,981  
Class 228  
18: 2,895,660  
21: 2,880,920  
23: 2,887,259  
25: 2,873,903  
2,896,830  
26: 2,887,260  
29: 2,890,823  
31: 2,894,669  
2,903,170  
36: 2,885,135  
38: 2,874,887  
40: 2,887,261  
48: 2,873,056  
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54: 2,896,831  
58: 2,885,132  
60: 2,870,948  
63: 2,911,133  
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2,911,134  
64: 2,898,427  
67: 2,873,904  
Class 229  
1.5: 2,867,365  
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2,910,219  
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2,918,203  
2.5: 2,872,093  
2,873,059  
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2,883,093  
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7: 2,904,236  
2,914,230  
15: 2,902,196  
20: 2,889,974  
28: 2,903,172  
31: 2,892,577  
32: 2,890,819  
36: Re.24,656  
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42.1: 2,888,178  
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42.23: 2,913,159  
42.32: 2,905,370  
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42.44: 2,911,130  
42.45: 2,904,237  
2,915,202  
42.46: 2,884,174  
2,896,828  
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45: 2,867,364  
2,875,934  
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2,907,507

42: 2,895,657  
2,912,149  
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93: 2,872,089  
2,876,940  
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94: 2,872,090  
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2,900,117  
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95: 2,898,425  
2,879,930  
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2,904,235  
2,905,369  
2,907,505  
2,908,430  
2,909,309  
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2,918,201  
2,913,156  
2,880,933  
2,889,094  
2,884,167  
2,884,168  
2,907,507  
42: 2,898,423  
43: 2,869,765  
2,890,818  
2,899,116  
46: 2,872,086  
2,884,169  
2,905,368  
2,909,308  
48: 2,885,130  
49: 2,872,087  
52.1: 2,886,221  
2,907,503  
57: 2,875,929  
63: 2,898,424  
67: 2,889,069  
68: 2,874,883  
2,879,928  
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2,885,131  
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2,894,668  
2,901,154  
2,902,192  
2,913,157  
2,915,228  
69: 2,887,257  
70: 2,881,963  
2,883,092  
2,898,020  
2,915,229  
71: 2,889,071  
73: 2,908,427  
74: 2,869,766  
75: 2,898,021  
2,898,022  
2,898,023  
2,902,193  
2,914,226  
76: 2,874,884  
2,915,230  
77: 2,883,093  
83: 2,870,945  
2,883,094  
2,889,091  
84: 2,915,231  
85: 2,870,946  
2,876,938  
87: 2,910,214  
2,912,148  
88: 2,869,767  
2,873,898  
15: 2,902,196  
20: 2,889,974  
28: 2,903,172  
31: 2,892,577  
32: 2,890,819  
36: Re.24,656  
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38: 2,880,919  
42.1: 2,888,178  
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2,908,433  
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42.23: 2,913,159  
42.32: 2,905,370  
42.42: 2,874,885  
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2,908,431  
42.44: 2,911,130  
42.45: 2,904,237  
2,915,202  
42.46: 2,884,174  
2,896,828  
2,889,076  
45: 2,867,364  
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2,888,179  
2,907,507

46: 2,899,769  
2,892,578  
48: 2,896,825  
2,896,829  
50: 2,912,151  
Class 225  
6: 2,890,830  
7: 2,876,943  
12: 2,892,579  
19: 2,890,975  
25: 2,879,931  
26: 2,910,215  
32: 2,908,435  
39: 2,878,980  
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43: 2,890,821  
48: 2,889,098  
51: 2,888,181  
52: 2,893,616  
59: 2,879,932  
99: 2,913,160  
100: 2,911,131  
101: 2,911,132  
105: 2,902,197  
106: 2,874,886  
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Class 227  
25: 2,886,227  
27: 2,870,947  
30: 2,873,055  
49: 2,878,981  
Class 228  
18: 2,895,660  
21: 2,880,920  
23: 2,887,259  
25: 2,873,903  
2,896,830  
26: 2,887,260  
29: 2,890,823  
31: 2,894,669  
2,903,170  
36: 2,885,135  
38: 2,874,887  
40: 2,887,261  
48: 2,873,056  
2,886,228  
2,888,182  
54: 2,896,831  
58: 2,885,132  
60: 2,870,948  
63: 2,911,133  
2,885,133  
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2,894,670  
2,911,134  
64: 2,898,427  
67: 2,873,904  
Class 229  
1.5: 2,867,365  
2,885,134  
2,888,229  
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2,917,215  
2,918,203  
2.5: 2,872,093  
2,873,059  
2,880,921  
2,883,093  
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7: 2,904,236  
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15: 2,902,196  
20: 2,889,974  
28: 2,903,172  
31: 2,892,577  
32: 2,890,819  
36: Re.24,656  
2,889,096  
38: 2,880,919  
42.1: 2,888,178  
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42.23: 2,913,159  
42.32: 2,905,370  
42.42: 2,874,885  
2,889,097  
2,908,431  
42.44: 2,911,130  
42.45: 2,904,237  
2,915,202  
42.46: 2,884,174  
2,896,828  
2,889,076  
45: 2,867,364  
2,875,934  
2,888,179  
2,907,507

14: 2,870,949  
2,872,095  
2,877,942  
2,878,982  
2,879,933  
2,885,138  
2,885,139  
2,896,231  
2,893,617  
2,894,671  
2,895,661  
2,896,832  
2,896,833  
2,898,026  
2,898,027  
2,902,199  
2,906,444  
2,906,445  
2,912,152  
2,914,232  
15: 2,900,120  
2,907,509  
2,908,436  
2,910,220  
16: 2,870,950  
2,875,937  
2,891,710  
2,901,155  
2,901,160  
2,901,156  
2,902,200  
2,903,174  
2,907,510  
2,912,153  
2,914,233  
17: 2,867,368  
2,875,938  
2,881,967  
2,884,178  
2,917,222  
2,886,232  
2,889,093  
2,890,101  
2,899,977  
2,891,711  
2,893,618  
2,899,119  
2,902,201  
2,903,175  
2,907,511  
2,907,512  
2,909,310  
2,911,135  
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22: 2,913,161  
23: 2,874,889  
2,887,263  
2,887,264  
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2,902,202  
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2,917,220  
2,903,169  
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2,909,312  
2,910,226  
52: 2,898,433  
2,898,434  
2,899,771  
2,899,774  
2,891,715  
2,896,838  
2,900,124  
2,908,438  
2,911,136  
2,915,236  
2,916,195  
2,916,196  
2,918,206  
53: 2,880,925  
2,894,675  
2,917,223  
55: 2,869,772  
2,893,619  
2,875,944  
2,892,580  
2,914,238  
56: 2,867,372  
2,916,197  
2,896,839  
62.5: 2,870,954  
2,884,182  
2,889,979  
2,900,241  
2,904,246



## Class 235—Con.

164: 2,913,179  
165: 2,899,133  
166: 2,892,588  
167: 2,895,674  
168: 2,873,914  
169: 2,890,830  
170: 2,890,831  
171: 2,890,842  
172: 2,885,149  
173: 2,892,589  
174: 2,905,383  
175: 2,888,201  
176: 2,881,979  
177: 2,888,202  
178: 2,898,043  
179: 2,917,237  
180: 2,873,915  
181: 2,888,203  
182: 2,900,136  
183: 2,910,241  
184: 2,911,146  
185: 2,915,246  
186: 2,873,965  
187: 2,899,134  
188: 2,918,218  
189: 2,875,932  
190: 2,883,109  
191: 2,891,725  
192: 2,903,185  
193: 2,911,151  
194: 2,912,163  
195: 2,913,180  
196: 2,915,247  
197: 2,919,065  
198: 2,884,193  
199: 2,887,270  
200: 2,889,988  
201: 2,891,726  
202: 2,894,688  
203: 2,903,186  
204: 2,916,212  
205: 2,873,966  
206: 2,884,194  
207: 2,874,903  
208: 2,879,002  
209: 2,879,941  
210: 2,892,590  
211: 2,883,110  
212: 2,889,989  
213: 2,894,689  
214: 2,891,727  
215: 2,891,728  
216: 2,893,636  
217: 2,900,137  
218: 2,901,172  
219: 2,902,219  
220: 2,904,253  
221: 2,905,384  
222: 2,906,459  
223: 2,913,181  
224: 2,917,238  
225: 2,905,385  
226: 2,919,067  
227: 2,879,942  
228: 2,884,195  
229: 2,886,243  
230: 2,886,244  
231: 2,890,832  
232: 2,914,250

## Class 236

1: 2,870,964  
2: 2,873,969  
3: 2,874,904  
4: 2,883,111  
5: 2,884,196  
6: 2,885,150  
7: 2,898,044  
8: 2,902,220  
9: 2,911,152  
10: 2,917,239  
11: 2,874,905  
12: 2,889,112

9: 2,891,729  
10: 2,892,591  
11: 2,895,675  
12: 2,902,221  
13: 2,872,116  
14: 2,884,197  
15: 2,886,245  
16: 2,889,113  
17: 2,893,637  
18: 2,895,676  
19: 2,898,045  
20: 2,901,174  
21: 2,905,386  
22: 2,905,387  
23: 2,910,242  
24: 2,910,243  
25: 2,911,153  
26: 2,915,248  
27: 2,896,849  
28: 2,919,068  
29: 2,887,271  
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31: 2,899,136  
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## Class 248—Con.

55: 2,893,669	120: 2,888,222	205: 2,896,802	251: 2,888,226	358: 2,894,711	14: 2,895,044	20: 2,905,816
2,918,239	2,892,603	2,906,484	2,896,899	2,900,161	2,902,597	2,906,867
56: 2,881,997	2,903,217	2,896,277	2,896,400	2,900,162	2,902,597	2,906,867
2,919,087	2,903,218	2,896,467	2,896,400	2,900,162	2,902,597	2,906,867
58: 2,876,975	2,904,297	2,906,480	2,915,271	2,900,162	2,902,597	2,906,867
2,891,750	2,906,481	2,906,481	2,906,481	2,900,162	2,902,597	2,906,867
2,905,416	2,906,484	2,906,484	2,906,484	2,900,162	2,902,597	2,906,867
2,919,088	2,909,349	2,909,349	2,909,349	2,900,162	2,902,597	2,906,867
59: 2,868,485	2,909,350	2,909,350	2,909,350	2,900,162	2,902,597	2,906,867
2,893,670	2,913,205	2,913,205	2,913,205	2,900,162	2,902,597	2,906,867
60: 2,905,417	2,913,206	2,913,206	2,913,206	2,900,162	2,902,597	2,906,867
61: 2,891,751	2,914,282	2,914,282	2,914,282	2,900,162	2,902,597	2,906,867
2,899,160	2,916,239	2,916,239	2,916,239	2,900,162	2,902,597	2,906,867
62: 2,872,141	2,917,261	2,917,261	2,917,261	2,900,162	2,902,597	2,906,867
63: 2,879,963	2,918,241	2,918,241	2,918,241	2,900,162	2,902,597	2,906,867
2,885,167	2,919,090	2,919,090	2,919,090	2,900,162	2,902,597	2,906,867
65: 2,911,171	2,920,000	2,920,000	2,920,000	2,900,162	2,902,597	2,906,867
67.5: 2,915,267	2,921,000	2,921,000	2,921,000	2,900,162	2,902,597	2,906,867
67.7: 2,913,203	2,922,000	2,922,000	2,922,000	2,900,162	2,902,597	2,906,867
2,916,237	2,923,000	2,923,000	2,923,000	2,900,162	2,902,597	2,906,867
68: 2,868,486	2,924,000	2,924,000	2,924,000	2,900,162	2,902,597	2,906,867
2,874,923	2,925,000	2,925,000	2,925,000	2,900,162	2,902,597	2,906,867
2,917,259	2,926,000	2,926,000	2,926,000	2,900,162	2,902,597	2,906,867
70: 2,890,949	2,927,000	2,927,000	2,927,000	2,900,162	2,902,597	2,906,867
2,881,998	2,928,000	2,928,000	2,928,000	2,900,162	2,902,597	2,906,867
2,886,269	2,929,000	2,929,000	2,929,000	2,900,162	2,902,597	2,906,867
71: 2,885,168	2,930,000	2,930,000	2,930,000	2,900,162	2,902,597	2,906,867
2,885,169	2,931,000	2,931,000	2,931,000	2,900,162	2,902,597	2,906,867
2,891,752	2,932,000	2,932,000	2,932,000	2,900,162	2,902,597	2,906,867
2,896,889	2,933,000	2,933,000	2,933,000	2,900,162	2,902,597	2,906,867
2,900,155	2,934,000	2,934,000	2,934,000	2,900,162	2,902,597	2,906,867
2,903,214	2,935,000	2,935,000	2,935,000	2,900,162	2,902,597	2,906,867
2,913,204	2,936,000	2,936,000	2,936,000	2,900,162	2,902,597	2,906,867
2,918,240	2,937,000	2,937,000	2,937,000	2,900,162	2,902,597	2,906,867
2,919,089	2,938,000	2,938,000	2,938,000	2,900,162	2,902,597	2,906,867
2,875,969	2,939,000	2,939,000	2,939,000	2,900,162	2,902,597	2,906,867
2,901,199	2,940,000	2,940,000	2,940,000	2,900,162	2,902,597	2,906,867
2,904,293	2,941,000	2,941,000	2,941,000	2,900,162	2,902,597	2,906,867
73: 2,893,671	2,942,000	2,942,000	2,942,000	2,900,162	2,902,597	2,906,867
2,884,214	2,943,000	2,943,000	2,943,000	2,900,162	2,902,597	2,906,867
2,886,270	2,944,000	2,944,000	2,944,000	2,900,162	2,902,597	2,906,867
2,890,848	2,945,000	2,945,000	2,945,000	2,900,162	2,902,597	2,906,867
2,901,200	2,946,000	2,946,000	2,946,000	2,900,162	2,902,597	2,906,867
2,904,294	2,947,000	2,947,000	2,947,000	2,900,162	2,902,597	2,906,867
2,912,199	2,948,000	2,948,000	2,948,000	2,900,162	2,902,597	2,906,867
2,915,268	2,949,000	2,949,000	2,949,000	2,900,162	2,902,597	2,906,867
2,917,259	2,950,000	2,950,000	2,950,000	2,900,162	2,902,597	2,906,867
75: 2,879,020	2,951,000	2,951,000	2,951,000	2,900,162	2,902,597	2,906,867
80: 2,872,142	2,952,000	2,952,000	2,952,000	2,900,162	2,902,597	2,906,867
81: 2,872,143	2,953,000	2,953,000	2,953,000	2,900,162	2,902,597	2,906,867
87: 2,894,706	2,954,000	2,954,000	2,954,000	2,900,162	2,902,597	2,906,867
88: 2,887,288	2,955,000	2,955,000	2,955,000	2,900,162	2,902,597	2,906,867
90: 2,876,976	2,956,000	2,956,000	2,956,000	2,900,162	2,902,597	2,906,867
94: 2,905,418	2,957,000	2,957,000	2,957,000	2,900,162	2,902,597	2,906,867
95: 2,906,478	2,958,000	2,958,000	2,958,000	2,900,162	2,902,597	2,906,867
2,908,462	2,959,000	2,959,000	2,959,000	2,900,162	2,902,597	2,906,867
96: 2,902,238	2,960,000	2,960,000	2,960,000	2,900,162	2,902,597	2,906,867
97: 2,907,538	2,961,000	2,961,000	2,961,000	2,900,162	2,902,597	2,906,867
2,914,281	2,962,000	2,962,000	2,962,000	2,900,162	2,902,597	2,906,867
98: 2,894,708	2,963,000	2,963,000	2,963,000	2,900,162	2,902,597	2,906,867
99: 2,900,156	2,964,000	2,964,000	2,964,000	2,900,162	2,902,597	2,906,867
2,903,215	2,965,000	2,965,000	2,965,000	2,900,162	2,902,597	2,906,867
2,917,260	2,966,000	2,966,000	2,966,000	2,900,162	2,902,597	2,906,867
101: 2,875,970	2,967,000	2,967,000	2,967,000	2,900,162	2,902,597	2,906,867
2,890,906	2,968,000	2,968,000	2,968,000	2,900,162	2,902,597	2,906,867
2,899,161	2,969,000	2,969,000	2,969,000	2,900,162	2,902,597	2,906,867
2,903,216	2,970,000	2,970,000	2,970,000	2,900,162	2,902,597	2,906,867
2,910,257	2,971,000	2,971,000	2,971,000	2,900,162	2,902,597	2,906,867
2,910,258	2,972,000	2,972,000	2,972,000	2,900,162	2,902,597	2,906,867
102: 2,890,950	2,973,000	2,973,000	2,973,000	2,900,162	2,902,597	2,906,867
2,893,672	2,974,000	2,974,000	2,974,000	2,900,162	2,902,597	2,906,867
103: 2,912,200	2,975,000	2,975,000	2,975,000	2,900,162	2,902,597	2,906,867
104: 2,907,539	2,976,000	2,976,000	2,976,000	2,900,162	2,902,597	2,906,867
105: 2,890,007	2,977,000	2,977,000	2,977,000	2,900,162	2,902,597	2,906,867
106: 2,881,999	2,978,000	2,978,000	2,978,000	2,900,162	2,902,597	2,906,867
2,909,345	2,979,000	2,979,000	2,979,000	2,900,162	2,902,597	2,906,867
2,909,346	2,980,000	2,980,000	2,980,000	2,900,162	2,902,597	2,906,867
108: 2,882,000	2,981,000	2,981,000	2,981,000	2,900,162	2,902,597	2,906,867
2,906,479	2,982,000	2,982,000	2,982,000	2,900,162	2,902,597	2,906,867
110: 2,905,419	2,983,000	2,983,000	2,983,000	2,900,162	2,902,597	2,906,867
113: 2,907,540	2,984,000	2,984,000	2,984,000	2,900,162	2,902,597	2,906,867
2,909,347	2,985,000	2,985,000	2,985,000	2,900,162	2,902,597	2,906,867
2,911,172	2,986,000	2,986,000	2,986,000	2,900,162	2,902,597	2,906,867
2,911,173	2,987,000	2,987,000	2,987,000	2,900,162	2,902,597	2,906,867
117.1: 2,879,021	2,988,000	2,988,000	2,988,000	2,900,162	2,902,597	2,906,867
117.7: 2,904,296	2,989,000	2,989,000	2,989,000	2,900,162	2,902,597	2,906,867
2,912,201	2,990,000	2,990,000	2,990,000	2,900,162	2,902,597	2,906,867
2,915,269	2,991,000	2,991,000	2,991,000	2,900,162	2,902,597	2,906,867
118: 2,910,259	2,992,000	2,992,000	2,992,000	2,900,162	2,902,597	2,906,867
119: 2,886,271	2,993,000	2,993,000	2,993,000	2,900,162	2,902,597	2,906,867
2,895,995	2,994,000	2,994,000	2,994,000	2,900,162	2,902,597	2,906,867
2,900,157	2,995,000	2,995,000	2,995,000	2,900,162	2,902,597	2,906,867
2,901,201	2,996,000	2,996,000	2,996,000	2,900,162	2,902,597	2,906,867
2,916,238	2,997,000	2,997,000	2,997,000	2,900,162	2,902,597	2,906,867
2,870,980	2,998,000	2,998,000	2,998,000	2,900,162	2,902,597	2,906,867
2,870,981	2,999,000	2,999,000	2,999,000	2,900,162	2,902,597	2,906,867
2,873,935	3,000,000	3,000,000	3,000,000	2,900,162	2,902,597	2,906,867
2,888,221				2,900,162	2,902,597	2,906,867

## Class 249

2:	2,914,290	2,874,256	2,871,431
14:	2,908,491	2,874,277	2,871,351
	2,918,246	2,874,278	2,871,351
15:	2,901,209	2,875,329	2,872,551
	2,913,099	2,875,330	2,872,551
16:	2,890,013	2,876,342	2,872,551
	2,914,291	2,876,343	2,872,551
17:	2,880,130	2,876,344	2,872,551
	2,889,131	2,876,345	2,872,551
32:	2,919,100	2,877,345	2,872,551
	2,918,247	2,878,356	2,872,551
38:	2,904,304	2,878,377	2,873,346
	2,918,247	2,878,378	2,873,346
43:	2,904,304	2,878,378	2,873,346
	2,908,475	2,878,379	2,873,346
58:	2,879,970	2,878,380	2,873,346
	2,908,475	2,879,383	2,874,256
60:	2,879,970	2,880,311	2,874,256
	2,880,957	2,880,312	2,874,256
63:	2,883,140	2,880,313	2,874,256
	2,887,292	2,880,313	2,874,256
	2,898,077	2,881,310	2,874,256
	2,903,231	2,882,391	2,874,256



## Class 250—Con.

211: 2,896,086	236: 2,873,381	96: 2,917,270	315: 2,885,179	15: 2,878,184	42.7: 2,913,412	78: 2,877,184
2,898,474	2,906,886	98: 2,872,153	2,912,219	18: 2,889,279	2,916,454	2,904,911
2,900,523	2,871,372	100: 2,874,927	2,911,187	2,895,913	2,916,455	2,909,489
2,911,539	2,890,351	107: 2,899,169	2,908,479	21: 2,879,229	2,873,254	2,913,415
2,912,592	2,918,584	118: 2,915,277	2,875,976	2,890,170	2,885,303	2,889,283
2,907,885	2,919,353	120: 2,874,928	2,906,492	2,870,089	2,898,299	2,908,650
2,870,342		2,902,250	329: Re.24,735	2,903,426	2,914,478	2,914,484
2,873,380	Class 251	121: 2,873,083	327: 2,870,987	2,875,152	2,910,439	2,914,488
2,874,308	1: 2,877,977	122: 2,899,170	2,891,762	2,885,360	2,912,381	2,915,476
2,875,349	2,883,141	129: 2,917,271	2,911,188	2,890,171	2,918,432	2,897,161
2,875,350	3: 2,872,148	2,917,271	2,908,480	2,891,010	2,892,784	2,898,403
2,879,406	2,880,958	2,902,251	2,913,220	2,892,776	2,908,647	2,903,430
2,882,419	2,886,279	2,916,252	331: 2,875,977	2,898,205	2,908,648	2,908,648
2,883,556	2,903,232	2,899,015	2,890,961	2,913,457	2,897,153	2,897,153
2,884,541	2,903,233	130: 2,890,015	2,892,613	2,917,457	2,898,341	2,913,416
2,885,564	2,909,357	133: 2,899,817	2,916,255	2,892,777	2,884,379	2,914,124
2,890,350	2,911,182	137: 2,899,818	2,910,257	2,898,296	2,897,459	2,892,795
2,891,169	2,914,292	138: 2,899,818	2,910,257	2,910,437	2,877,182	2,898,731
2,892,095	2,890,855	139: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,892,096	2,890,856	140: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,054	2,890,857	141: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,055	2,890,858	142: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,056	2,890,859	143: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,057	2,890,860	144: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,058	2,890,861	145: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,059	2,890,862	146: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,060	2,890,863	147: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,061	2,890,864	148: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,062	2,890,865	149: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,063	2,890,866	150: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,064	2,890,867	151: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,065	2,890,868	152: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,066	2,890,869	153: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,067	2,890,870	154: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,068	2,890,871	155: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,069	2,890,872	156: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,070	2,890,873	157: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,071	2,890,874	158: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,072	2,890,875	159: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,073	2,890,876	160: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,074	2,890,877	161: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,075	2,890,878	162: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,076	2,890,879	163: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,077	2,890,880	164: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,078	2,890,881	165: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,079	2,890,882	166: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,080	2,890,883	167: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,081	2,890,884	168: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,082	2,890,885	169: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,083	2,890,886	170: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,084	2,890,887	171: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,085	2,890,888	172: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,086	2,890,889	173: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,087	2,890,890	174: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,088	2,890,891	175: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,089	2,890,892	176: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,090	2,890,893	177: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,091	2,890,894	178: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,092	2,890,895	179: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,093	2,890,896	180: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,094	2,890,897	181: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,095	2,890,898	182: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,096	2,890,899	183: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,097	2,890,900	184: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,098	2,890,901	185: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,099	2,890,902	186: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,100	2,890,903	187: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,101	2,890,904	188: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,102	2,890,905	189: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,103	2,890,906	190: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,104	2,890,907	191: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,105	2,890,908	192: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,106	2,890,909	193: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,107	2,890,910	194: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,108	2,890,911	195: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,109	2,890,912	196: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,110	2,890,913	197: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,111	2,890,914	198: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,112	2,890,915	199: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,113	2,890,916	200: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,114	2,890,917	201: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,115	2,890,918	202: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,116	2,890,919	203: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,117	2,890,920	204: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,118	2,890,921	205: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,119	2,890,922	206: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,120	2,890,923	207: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,121	2,890,924	208: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,122	2,890,925	209: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,123	2,890,926	210: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,124	2,890,927	211: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,125	2,890,928	212: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,126	2,890,929	213: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,127	2,890,930	214: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,128	2,890,931	215: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,129	2,890,932	216: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,130	2,890,933	217: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,131	2,890,934	218: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,132	2,890,935	219: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,133	2,890,936	220: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,134	2,890,937	221: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,135	2,890,938	222: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,136	2,890,939	223: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,137	2,890,940	224: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,138	2,890,941	225: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,139	2,890,942	226: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,140	2,890,943	227: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,141	2,890,944	228: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,142	2,890,945	229: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,143	2,890,946	230: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,144	2,890,947	231: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,145	2,890,948	232: 2,899,818	2,910,257	2,910,437	2,877,182	2,901,433
2,893,146	2,					



## 1167

[illegible]



Class 260—Con.	157: 2,881,160	226: 2,912,430	239.55: 2,897,199	243: 2,910,473	256.4: 2,871,240	290: 2,893,995
96.5: 2,905,662	158: 2,875,193	227: 2,899,423	239.56: 2,899,427	243.1: 2,910,474	256.5: 2,874,157	290.1: 2,898,338
97: 2,906,744	159: 2,897,191	228: 2,891,946	239.57: 2,899,428	243.2: 2,910,475	256.6: 2,874,158	290.2: 2,898,339
97.1: 2,906,745	160: 2,889,317	229: 2,891,956	239.58: 2,900,382	243.3: 2,910,476	256.7: 2,874,159	290.3: 2,898,340
97.2: 2,906,746	161: 2,886,592	230: 2,891,957	239.59: 2,902,482	243.4: 2,910,477	256.8: 2,874,160	290.4: 2,898,341
97.3: 2,906,747	162: 2,879,268	231: 2,891,958	239.60: 2,902,483	243.5: 2,910,478	256.9: 2,874,161	290.5: 2,898,342
97.4: 2,870,132	163: 2,888,452	232: 2,891,959	239.61: 2,903,449	243.6: 2,910,479	257: 2,874,162	290.6: 2,898,343
97.5: 2,870,133	164: 2,878,244	233: 2,891,960	239.62: 2,903,450	243.7: 2,910,480	257.1: 2,874,163	290.7: 2,898,344
97.6: 2,878,242	165: 2,906,747	234: 2,891,961	239.63: 2,903,451	243.8: 2,910,481	257.2: 2,874,164	290.8: 2,898,345
97.7: 2,894,939	166: 2,917,504	235: 2,891,962	239.64: 2,903,452	243.9: 2,910,482	257.3: 2,874,165	290.9: 2,898,346
105: 2,887,475	167: 2,900,380	236: 2,891,963	239.65: 2,903,453	244: 2,907,618	257.4: 2,874,166	291: 2,898,347
109: 2,897,185	168: 2,877,218	237: 2,891,964	239.66: 2,903,454	244.1: 2,907,619	257.5: 2,874,167	291.1: 2,898,348
112: 2,868,773	169: 2,870,136	238: 2,891,965	239.67: 2,903,455	244.2: 2,907,620	257.6: 2,874,168	291.2: 2,898,349
109: 2,897,185	170: 2,894,945	239: 2,891,966	239.68: 2,903,456	244.3: 2,907,621	257.7: 2,874,169	291.3: 2,898,350
122: 2,888,449	171: 2,888,453	240: 2,891,967	239.69: 2,903,457	244.4: 2,907,622	257.8: 2,874,170	291.4: 2,898,351
123: 2,882,265	172: 2,891,048	241: 2,891,968	239.70: 2,903,458	244.5: 2,907,623	257.9: 2,874,171	291.5: 2,898,352
124: 2,882,265	173: 2,891,049	242: 2,891,969	239.71: 2,903,459	244.6: 2,907,624	258: 2,874,172	291.6: 2,898,353
125: 2,882,265	174: 2,891,050	243: 2,891,970	239.72: 2,903,460	244.7: 2,907,625	258.1: 2,874,173	291.7: 2,898,354
126: 2,882,265	175: 2,891,051	244: 2,891,971	239.73: 2,903,461	244.8: 2,907,626	258.2: 2,874,174	291.8: 2,898,355
127: 2,882,265	176: 2,891,052	245: 2,891,972	239.74: 2,903,462	244.9: 2,907,627	258.3: 2,874,175	291.9: 2,898,356
128: 2,882,265	177: 2,891,053	246: 2,891,973	239.75: 2,903,463	245: 2,907,628	258.4: 2,874,176	292: 2,898,357
129: 2,882,265	178: 2,891,054	247: 2,891,974	239.76: 2,903,464	245.1: 2,907,629	258.5: 2,874,177	292.1: 2,898,358
130: 2,882,265	179: 2,891,055	248: 2,891,975	239.77: 2,903,465	245.2: 2,907,630	258.6: 2,874,178	292.2: 2,898,359
131: 2,882,265	180: 2,891,056	249: 2,891,976	239.78: 2,903,466	245.3: 2,907,631	258.7: 2,874,179	292.3: 2,898,360
132: 2,882,265	181: 2,891,057	250: 2,891,977	239.79: 2,903,467	245.4: 2,907,632	258.8: 2,874,180	292.4: 2,898,361
133: 2,882,265	182: 2,891,058	251: 2,891,978	239.80: 2,903,468	245.5: 2,907,633	258.9: 2,874,181	292.5: 2,898,362
134: 2,882,265	183: 2,891,059	252: 2,891,979	239.81: 2,903,469	245.6: 2,907,634	259: 2,874,182	292.6: 2,898,363
135: 2,882,265	184: 2,891,060	253: 2,891,980	239.82: 2,903,470	245.7: 2,907,635	259.1: 2,874,183	292.7: 2,898,364
136: 2,882,265	185: 2,891,061	254: 2,891,981	239.83: 2,903,471	245.8: 2,907,636	259.2: 2,874,184	292.8: 2,898,365
137: 2,882,265	186: 2,891,062	255: 2,891,982	239.84: 2,903,472	245.9: 2,907,637	259.3: 2,874,185	292.9: 2,898,366
138: 2,882,265	187: 2,891,063	256: 2,891,983	239.85: 2,903,473	246: 2,907,638	259.4: 2,874,186	293: 2,898,367
139: 2,882,265	188: 2,891,064	257: 2,891,984	239.86: 2,903,474	246.1: 2,907,639	259.5: 2,874,187	293.1: 2,898,368
140: 2,882,265	189: 2,891,065	258: 2,891,985	239.87: 2,903,475	246.2: 2,907,640	259.6: 2,874,188	293.2: 2,898,369
141: 2,882,265	190: 2,891,066	259: 2,891,986	239.88: 2,903,476	246.3: 2,907,641	259.7: 2,874,189	293.3: 2,898,370
142: 2,882,265	191: 2,891,067	260: 2,891,987	239.89: 2,903,477	246.4: 2,907,642	259.8: 2,874,190	293.4: 2,898,371
143: 2,882,265	192: 2,891,068	261: 2,891,988	239.90: 2,903,478	246.5: 2,907,643	259.9: 2,874,191	293.5: 2,898,372
144: 2,882,265	193: 2,891,069	262: 2,891,989	239.91: 2,903,479	246.6: 2,907,644	260: 2,874,192	293.6: 2,898,373
145: 2,882,265	194: 2,891,070	263: 2,891,990	239.92: 2,903,480	246.7: 2,907,645	260.1: 2,874,193	293.7: 2,898,374
146: 2,882,265	195: 2,891,071	264: 2,891,991	239.93: 2,903,481	246.8: 2,907,646	260.2: 2,874,194	293.8: 2,898,375
147: 2,882,265	196: 2,891,072	265: 2,891,992	239.94: 2,903,482	246.9: 2,907,647	260.3: 2,874,195	293.9: 2,898,376
148: 2,882,265	197: 2,891,073	266: 2,891,993	239.95: 2,903,483	247: 2,907,648	260.4: 2,874,196	294: 2,898,377
149: 2,882,265	198: 2,891,074	267: 2,891,994	239.96: 2,903,484	247.1: 2,907,649	260.5: 2,874,197	294.1: 2,898,378
150: 2,882,265	199: 2,891,075	268: 2,891,995	239.97: 2,903,485	247.2: 2,907,650	260.6: 2,874,198	294.2: 2,898,379
151: 2,882,265	200: 2,891,076	269: 2,891,996	239.98: 2,903,486	247.3: 2,907,651	260.7: 2,874,199	294.3: 2,898,380
152: 2,882,265	201: 2,891,077	270: 2,891,997	239.99: 2,903,487	247.4: 2,907,652	260.8: 2,874,200	294.4: 2,898,381
153: 2,882,265	202: 2,891,078	271: 2,891,998	240: 2,903,488	247.5: 2,907,653	260.9: 2,874,201	294.5: 2,898,382
154: 2,882,265	203: 2,891,079	272: 2,891,999	240.1: 2,903,489	247.6: 2,907,654	261: 2,874,202	294.6: 2,898,383
155: 2,882,265	204: 2,891,080	273: 2,892,000	240.2: 2,903,490	247.7: 2,907,655	261.1: 2,874,203	294.7: 2,898,384
156: 2,882,265	205: 2,891,081	274: 2,892,001	240.3: 2,903,491	247.8: 2,907,656	261.2: 2,874,204	294.8: 2,898,385
157: 2,882,265	206: 2,891,082	275: 2,892,002	240.4: 2,903,492	247.9: 2,907,657	261.3: 2,874,205	294.9: 2,898,386
158: 2,882,265	207: 2,891,083	276: 2,892,003	240.5: 2,903,493	248: 2,907,658	261.4: 2,874,206	295: 2,898,387
159: 2,882,265	208: 2,891,084	277: 2,892,004	240.6: 2,903,494	248.1: 2,907,659	261.5: 2,874,207	295.1: 2,898,388
160: 2,882,265	209: 2,891,085	278: 2,892,005	240.7: 2,903,495	248.2: 2,907,660	261.6: 2,874,208	295.2: 2,898,389
161: 2,882,265	210: 2,891,086	279: 2,892,006	240.8: 2,903,496	248.3: 2,907,661	261.7: 2,874,209	295.3: 2,898,390
162: 2,882,265	211: 2,891,087	280: 2,892,007	240.9: 2,903,497	248.4: 2,907,662	261.8: 2,874,210	295.4: 2,898,391
163: 2,882,265	212: 2,891,088	281: 2,892,008	241: 2,903,498	248.5: 2,907,663	261.9: 2,874,211	295.5: 2,898,392
164: 2,882,265	213: 2,891,089	282: 2,892,009	241.1: 2,903,499	248.6: 2,907,664	262: 2,874,212	295.6: 2,898,393
165: 2,882,265	214: 2,891,090	283: 2,892,010	241.2: 2,903,500	248.7: 2,907,665	262.1: 2,874,213	295.7: 2,898,394
166: 2,882,265	215: 2,891,091	284: 2,892,011	241.3: 2,903,501	248.8: 2,907,666	262.2: 2,874,214	295.8: 2,898,395
167: 2,882,265	216: 2,891,092	285: 2,892,012	241.4: 2,903,502	248.9: 2,907,667	262.3: 2,874,215	295.9: 2,898,396
168: 2,882,265	217: 2,891,093	286: 2,892,013	241.5: 2,903,503	249: 2,907,668	262.4: 2,874,216	296: 2,898,397
169: 2,882,265	218: 2,891,094	287: 2,892,014	241.6: 2,903,504	249.1: 2,907,669	262.5: 2,874,217	296.1: 2,898,398
170: 2,882,265	219: 2,891,095	288: 2,892,015	241.7: 2,903,505	249.2: 2,907,670	262.6: 2,874,218	296.2: 2,898,399
171: 2,882,265	220: 2,891,096	289: 2,892,016	241.8: 2,903,506	249.3: 2,907,671	262.7: 2,874,219	296.3: 2,898,400
172: 2,882,265	221: 2,891,097	290: 2,892,017	241.9: 2,903,507	249.4: 2,907,672	262.8: 2,874,220	296.4: 2,898,401
173: 2,882,265	222: 2,891,098	291: 2,892,018	242: 2,903,508	249.5: 2,907,673	262.9: 2,874,221	296.5: 2,898,402
174: 2,882,265	223: 2,891,099	292: 2,892,019	242.1: 2,903,509	249.6: 2,907,674	263: 2,874,222	296.6: 2,898,403
175: 2,882,265	224: 2,891,100	293: 2,892,020	242.2: 2,903,510	249.7: 2,907,675	263.1: 2,874,223	296.7: 2,898,404
176: 2,882,265	225: 2,891,101	294: 2,892,021	242.3: 2,903,511	249.8: 2,907,676	263.2: 2,874,224	296.8: 2,898,405
177: 2,882,265	226: 2,891,102	295: 2,892,022	242.4: 2,903,512	249.9: 2,907,677	263.3: 2,874,225	296.9: 2,898,406
178: 2,882,265	227: 2,891,103	296: 2,892,023	242.5: 2,903,513	250: 2,907,678	263.4: 2,874,226	297: 2,898,407
179: 2,882,265	228: 2,891,104	297: 2,892,024	242.6: 2,903,514	250.1: 2,907,679	263.5: 2,874,227	297.1: 2,898,408
180: 2,882,265	229: 2,891,105	298: 2,892,025	242.7: 2,903,515	250.2: 2,907,680	263.6: 2,874,228	297.2: 2,898,409
181: 2,882,265	230: 2,891,106	299: 2,892,026	242.8: 2,903,516	250.3: 2,907,681	263.7: 2,874,229	297.3: 2,898,410
182: 2,882,265	231: 2,891,107	300: 2,892,027	242.9: 2,903,517	250.4: 2,907,682	263.8: 2,874,230	297.4: 2,898,411
183: 2,882,265	232: 2,891,108	301: 2,892,028	243: 2,903,518	250.5: 2,907,683	263.9: 2,874,231	297.5: 2,898,412
184: 2,882,265	233: 2,891,109	302: 2,892,029	243.1: 2,903,519	250.6: 2,907,684	264: 2,874,232	297.6: 2,898,413
185: 2,882,265	234: 2,891,110	303: 2,892,030	243.2: 2,903,520	250.7: 2,907,685	264.1: 2,874,233	297.7: 2,898,414
186: 2,882,265	235: 2,891,111	304: 2,892,031	243.3: 2,903,521	250.8: 2,907,686	264.2: 2,874,234	297.8: 2,898,415
187: 2,882,265	236: 2,891,112	305: 2,892,032	243.4: 2,903,522	250.9: 2,907,687	264.3: 2,874,235	297.9: 2,898,416
188: 2,882,265	237: 2,891,113	306: 2,892,033	243.5: 2,903,523	251: 2,907,688	264.4: 2,874,236	298: 2,898,417
189: 2,882,265	238: 2,891,114	307: 2,892,034	243.6: 2,903,524	251.1: 2,907,689	264.5: 2,874,237	298.1: 2,898,418
190: 2,882,265	239: 2,891,115	308: 2,892,035	243.7: 2,903,525	251.2: 2,907,690	264.6: 2,874,238	298.2: 2,898,419
191: 2,882,265	240: 2,891,116	309: 2,892,036	243.8: 2,903,526	251.3: 2,907,6		







<b>Class 260—Con.</b>	683.65: 2,918,511	64: 2,877,004	20: 2,889,141	53: 2,874,950	15: 2,871,007	9: 2,882,040
678: 2,875,258	683.66: 2,917,566	65: 2,913,233	21: 2,890,572	2,882,033	2,873,108	2,895,727
2,908,732	683.68: 2,871,277	66: 2,875,991	26: 2,872,170	<b>Class 261</b>	2,878,009	2,900,181
2,912,474	2,908,735	69: 2,873,057	28: 2,867,427	1: 2,869,851	2,885,200	2,903,723
2,914,587	683.73: 2,909,582	2,873,056	2,868,532	2,869,852	2,901,240	2,901,240
2,868,855	2,909,583	2,882,027	2,877,006	2,873,103	2,917,304	2,900,038
2,868,856	723: 2,882,327	2,894,735	2,879,981	2,875,998	2,877,010	2,884,210
2,870,231	2,885,456	2,910,280	2,872,171	2,878,006	2,885,202	2,901,236
2,875,259	757: 2,888,502	2,873,958	2,891,778	2,879,053	2,893,104	2,893,104
2,878,262	762: 2,898,391	2,882,028	2,882,034	2,882,034	2,901,242	2,901,242
2,881,231	769: 2,885,457	2,882,029	2,903,253	2,883,176	2,903,256	2,903,256
2,884,472	770: 2,892,004	2,894,736	33: Re 24,732	2,888,256	2,905,459	2,905,459
2,886,612	771: 2,917,567	2,899,185	2,872,172	2,899,189	2,911,215	2,911,215
2,905,731	773: 2,868,859	2,868,523	2,873,960	2,900,364	2,917,308	2,917,308
2,907,801	775: 2,909,584	2,883,169	2,900,035	2,900,364	2,917,308	2,917,308
2,907,802	785: 2,918,512	2,906,513	2,893,714	2,901,233	2,917,308	2,917,308
2,907,803	788: 2,883,442	2,913,234	2,899,187	2,900,178	2,917,308	2,917,308
2,907,804	793: 2,875,260	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,908,733	810: 2,880,256	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,912,475	2,903,493	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,916,534	2,905,737	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,873,301	2,911,204	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,877,278	815: 2,888,504	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,884,473	2,888,505	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,886,613	<b>Class 261</b>	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,886,614	2: 2,882,026	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,888,497	7: 2,917,292	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,888,498	9: 2,918,265	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,888,499	13: 2,879,045	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,889,383	14: 2,872,167	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,894,968	15: 2,892,621	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,900,429	16: 2,883,167	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,901,520	18: 2,890,029	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,902,522	21: 2,899,844	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,906,791	23: Re 24,742	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,911,453	2,907,422	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,914,588	2,908,529	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,916,570	2,916,268	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,919,520	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,870,232	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,884,474	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,887,521	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,900,430	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,905,732	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,914,589	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,500	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,501	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,502	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,503	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,504	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,505	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,506	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,507	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,508	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,509	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,510	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,511	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,512	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,513	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,514	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,515	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,516	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,517	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,518	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,519	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,520	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,521	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,522	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,523	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,524	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,525	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,526	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,527	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,528	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,529	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,530	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,531	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,532	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,533	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,534	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,535	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,536	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,537	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,538	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,539	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,540	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,541	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,542	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,543	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,544	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,545	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,546	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,547	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,548	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,549	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,550	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,551	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,552	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,553	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,554	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,555	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,556	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,557	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,558	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,559	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,560	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,561	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,562	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,563	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,564	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,565	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,566	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,567	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,568	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,569	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,570	2,917,203	2,913,235	2,900,178	2,901,233	2,917,308	2,917,308
2,918,571	2,917,203					



## Class 280—Con.

11.12: 2,867,445	47.17: 2,869,885	124: 2,869,893	432: 2,907,582	8: 2,912,259	110: 2,884,264	5: 2,915,326
2,917,315	2,869,886	2,872,209	2,917,322	9: 2,903,276	2,887,328	2,916,312
11.13: 2,908,506	2,869,887	2,872,210	2,918,309	18: 2,907,586	2,896,974	2,917,328
2,914,335	2,880,012	2,874,124	2,907,583	39: 2,903,277	2,914,345	2,903,761
2,918,293	2,883,207	2,876,019	2,885,222	57: 2,869,899	2,877,027	2,886,556
11.16: 2,904,342	2,893,749	2,882,068	2,906,545	63: 2,916,304	2,904,355	2,898,132
11.19: 2,901,259	2,893,751	2,882,069	2,910,306	2,917,325	2,879,083	2,896,133
11.2: 2,872,201	2,889,152	2,885,219	2,879,077	Class 284	2,882,072	2,912,264
2,869,269	2,890,061	2,887,324	2,882,070	1: 2,868,563	2,885,225	2,895,348
11.26: 2,868,554	2,896,901	2,888,270	2,888,271	2,908,511	2,871,035	2,896,349
11.35: 2,867,446	2,896,902	2,888,272	2,888,273	2,896,971	2,910,311	2,902,301
2,868,555	2,896,903	2,888,273	2,888,274	2,872,216	2,913,259	2,908,515
2,879,071	2,896,904	2,888,274	2,888,275	2,919,144	2,877,028	2,901,313
2,899,210	2,896,905	2,888,275	2,888,276	2,879,081	2,905,549	2,886,350
2,907,574	2,896,906	2,888,276	2,888,277	2,912,255	2,908,514	2,895,750
12: 2,868,122	2,896,907	2,888,277	2,888,278	2,919,145	2,908,515	2,895,751
13: 2,883,204	2,896,908	2,888,278	2,888,279	2,912,256	2,908,516	2,895,752
16: 2,883,205	2,896,909	2,888,279	2,888,280	2,912,257	2,908,517	2,895,753
2,905,479	2,896,910	2,888,280	2,888,281	2,912,258	2,908,518	2,895,754
2,894,760	2,896,911	2,888,281	2,888,282	2,912,259	2,908,519	2,895,755
2,873,122	2,896,912	2,888,282	2,888,283	2,912,260	2,908,520	2,895,756
2,883,206	2,896,913	2,888,283	2,888,284	2,912,261	2,908,521	2,895,757
2,893,746	2,896,914	2,888,284	2,888,285	2,912,262	2,908,522	2,895,758
2,901,260	2,896,915	2,888,285	2,888,286	2,912,263	2,908,523	2,895,759
2,876,016	2,896,916	2,888,286	2,888,287	2,912,264	2,908,524	2,895,760
2,902,286	2,896,917	2,888,287	2,888,288	2,912,265	2,908,525	2,895,761
2,868,556	2,896,918	2,888,288	2,888,289	2,912,266	2,908,526	2,895,762
2,871,024	2,896,919	2,888,289	2,888,290	2,912,267	2,908,527	2,895,763
2,882,062	2,896,920	2,888,290	2,888,291	2,912,268	2,908,528	2,895,764
2,889,151	2,896,921	2,888,291	2,888,292	2,912,269	2,908,529	2,895,765
2,890,057	2,896,922	2,888,292	2,888,293	2,912,270	2,908,530	2,895,766
2,890,058	2,896,923	2,888,293	2,888,294	2,912,271	2,908,531	2,895,767
2,891,801	2,896,924	2,888,294	2,888,295	2,912,272	2,908,532	2,895,768
2,896,059	2,896,925	2,888,295	2,888,296	2,912,273	2,908,533	2,895,769
2,898,123	2,896,926	2,888,296	2,888,297	2,912,274	2,908,534	2,895,770
2,903,280	2,896,927	2,888,297	2,888,298	2,912,275	2,908,535	2,895,771
2,906,542	2,896,928	2,888,298	2,888,299	2,912,276	2,908,536	2,895,772
2,911,227	2,896,929	2,888,299	2,888,300	2,912,277	2,908,537	2,895,773
2,916,291	2,896,930	2,888,300	2,888,301	2,912,278	2,908,538	2,895,774
2,918,294	2,896,931	2,888,301	2,888,302	2,912,279	2,908,539	2,895,775
2,900,194	2,896,932	2,888,302	2,888,303	2,912,280	2,908,540	2,895,776
2,905,480	2,896,933	2,888,303	2,888,304	2,912,281	2,908,541	2,895,777
2,878,028	2,896,934	2,888,304	2,888,305	2,912,282	2,908,542	2,895,778
2,919,138	2,896,935	2,888,305	2,888,306	2,912,283	2,908,543	2,895,779
2,867,448	2,896,936	2,888,306	2,888,307	2,912,284	2,908,544	2,895,780
2,872,202	2,896,937	2,888,307	2,888,308	2,912,285	2,908,545	2,895,781
2,880,011	2,896,938	2,888,308	2,888,309	2,912,286	2,908,546	2,895,782
2,886,337	2,896,939	2,888,309	2,888,310	2,912,287	2,908,547	2,895,783
2,891,802	2,896,940	2,888,310	2,888,311	2,912,288	2,908,548	2,895,784
2,891,803	2,896,941	2,888,311	2,888,312	2,912,289	2,908,549	2,895,785
2,896,960	2,896,942	2,888,312	2,888,313	2,912,290	2,908,550	2,895,786
2,901,261	2,896,943	2,888,313	2,888,314	2,912,291	2,908,551	2,895,787
2,911,228	2,896,944	2,888,314	2,888,315	2,912,292	2,908,552	2,895,788
2,913,249	2,896,945	2,888,315	2,888,316	2,912,293	2,908,553	2,895,789
2,918,295	2,896,946	2,888,316	2,888,317	2,912,294	2,908,554	2,895,790
2,903,700	2,896,947	2,888,317	2,888,318	2,912,295	2,908,555	2,895,791
2,899,212	2,896,948	2,888,318	2,888,319	2,912,296	2,908,556	2,895,792
2,902,287	2,896,949	2,888,319	2,888,320	2,912,297	2,908,557	2,895,793
2,879,072	2,896,950	2,888,320	2,888,321	2,912,298	2,908,558	2,895,794
2,884,257	2,896,951	2,888,321	2,888,322	2,912,299	2,908,559	2,895,795
2,886,338	2,896,952	2,888,322	2,888,323	2,912,300	2,908,560	2,895,796
2,891,230	2,896,953	2,888,323	2,888,324	2,912,301	2,908,561	2,895,797
2,872,203	2,896,954	2,888,324	2,888,325	2,912,302	2,908,562	2,895,798
2,873,123	2,896,955	2,888,325	2,888,326	2,912,303	2,908,563	2,895,799
2,901,262	2,896,956	2,888,326	2,888,327	2,912,304	2,908,564	2,895,800
2,917,316	2,896,957	2,888,327	2,888,328	2,912,305	2,908,565	2,895,801
2,918,296	2,896,958	2,888,328	2,888,329	2,912,306	2,908,566	2,895,802
2,879,073	2,896,959	2,888,329	2,888,330	2,912,307	2,908,567	2,895,803
2,885,215	2,896,960	2,888,330	2,888,331	2,912,308	2,908,568	2,895,804
2,886,339	2,896,961	2,888,331	2,888,332	2,912,309	2,908,569	2,895,805
2,890,060	2,896,962	2,888,332	2,888,333	2,912,310	2,908,570	2,895,806
2,914,336	2,896,963	2,888,333	2,888,334	2,912,311	2,908,571	2,895,807
2,918,297	2,896,964	2,888,334	2,888,335	2,912,312	2,908,572	2,895,808
2,879,074	2,896,965	2,888,335	2,888,336	2,912,313	2,908,573	2,895,809
2,882,063	2,896,966	2,888,336	2,888,337	2,912,314	2,908,574	2,895,810
2,915,318	2,896,967	2,888,337	2,888,338	2,912,315	2,908,575	2,895,811
2,904,343	2,896,968	2,888,338	2,888,339	2,912,316	2,908,576	2,895,812
2,905,481	2,896,969	2,888,339	2,888,340	2,912,317	2,908,577	2,895,813
2,907,575	2,896,970	2,888,340	2,888,341	2,912,318	2,908,578	2,895,814
2,902,288	2,896,971	2,888,341	2,888,342	2,912,319	2,908,579	2,895,815
2,918,298	2,896,972	2,888,342	2,888,343	2,912,320	2,908,580	2,895,816
2,917,317	2,896,973	2,888,343	2,888,344	2,912,321	2,908,581	2,895,817
2,869,887	2,896,974	2,888,344	2,888,345	2,912,322	2,908,582	2,895,818
2,872,204	2,896,975	2,888,345	2,888,346	2,912,323	2,908,583	2,895,819
2,879,075	2,896,976	2,888,346	2,888,347	2,912,324	2,908,584	2,895,820
2,882,064	2,896,977	2,888,347	2,888,348	2,912,325	2,908,585	2,895,821
2,889,152	2,896,978	2,888,348	2,888,349	2,912,326	2,908,586	2,895,822
2,893,747	2,896,979	2,888,349	2,888,350	2,912,327	2,908,587	2,895,823
2,894,761	2,896,980	2,888,350	2,888,351	2,912,328	2,908,588	2,895,824
2,876,017	2,896,981	2,888,351	2,888,352	2,912,329	2,908,589	2,895,825
2,904,344	2,896,982	2,888,352	2,888,353	2,912,330	2,908,590	2,895,826
2,909,890	2,896,983	2,888,353	2,888,354	2,912,331	2,908,591	2,895,827
2,868,557	2,896,984	2,888,354	2,888,355	2,912,332	2,908,592	2,895,828
2,868,558	2,896,985	2,888,355	2,888,356	2,912,333	2,908,593	2,895,829
2,899,213	2,896,986	2,888,356	2,888,357	2,912,334	2,908,594	2,895,830
2,904,345	2,896,987	2,888,357	2,888,358	2,912,335	2,908,595	2,895,831
2,910,304	2,896,988	2,888,358	2,888,359	2,912,336	2,908,596	2,895,832
2,916,292	2,896,989	2,888,359	2,888,360	2,912,337	2,908,597	2,895,833

## Class 281

3: 2,887,326

8: 2,916,303

15: 2,876,021

2: 2,878,037

43: 2,904,354

45: 2,916,308

50: 2,896,972

53: 2,918,312

55: 2,911,234

55: 2,878,038

2,880,018

2,872,215

2,884,261

2,902,294

Class 282

3: 2,905,483

2,917,324

12: 2,884,262

15: 2,881,263

16: 2,873,983

2,883,210

2,896,970

20: 2,899,897

22: 2,907,585

27: 2,898,898

2,886,345

29: 2,898,561

2,913,257

Class 283

1: 2,887,327

6: 2,874,977

## Class 284

5: 2,874,978

2,916,305

2,916,306

6: 2,874,979

2,879,082

7: 2,885,223

2,899,215

2,899,216

2,907,588

2,912,260

9: 2,869,900

2,916,307

10: 2,915,322

11: 2,903,278



## Class 296—Con.

137: 2,872,243  
2,879,105  
2,882,093  
2,903,298  
2,912,277

## Class 298

5: 2,867,474  
2,880,034  
2,880,035  
2,887,339  
2,889,172  
2,898,583  
2,893,237  
2,898,148  
2,901,287  
2,890,909  
2,887,057  
2,892,659  
2,894,785  
2,902,315  
2,876,038  
2,897,004  
2,901,288  
2,891,816

## Class 299

1: 2,878,058  
2,877,051  
2,877,052  
2,878,059  
2,872,244  
2,878,060  
2,878,061  
2,873,140  
2,875,428  
2,869,924  
2,872,245  
2,876,039  
2,869,925  
2,867,475  
2,878,062  
2,873,141  
2,877,053  
2,873,999  
2,871,057  
2,872,246  
2,871,058  
2,869,926  
2,876,040  
2,876,041  
2,876,440  
2,868,584  
2,868,585  
2,878,063  
2,868,586  
2,872,247  
2,874,000  
2,878,064  
2,878,065  
2,874,995  
2,869,927  
2,871,059  
2,868,587  
2,873,142  
2,874,001  
2,878,066  
2,878,067  
2,874,996  
2,876,042  
2,878,068

## Class 300

1: 2,881,025  
2,903,299  
2,871,060  
2,893,783  
2,901,289  
2,918,327  
2,878,069  
2,887,340

## Class 301

5: 2,878,070  
2,895,766  
2,901,290  
2,909,389  
2,871,061  
2,878,071  
2,889,173  
2,877,054  
2,877,055  
2,885,244  
2,890,910  
2,895,767  
2,906,558  
2,884,280  
2,911,255

13: 2,874,997  
2,918,328  
2,874,998  
2,882,094  
2,879,106  
2,899,239  
2,893,784  
2,905,505  
2,911,256  
2,867,477  
2,868,588  
2,869,928  
2,869,929  
2,871,062  
2,878,072  
2,878,073  
2,879,107  
2,879,108  
2,881,026  
2,881,027  
2,882,095  
2,882,096  
2,883,238  
2,883,239  
2,884,281  
2,907,606  
2,912,284  
2,885,245  
2,886,376  
2,890,912  
2,893,785  
2,894,786  
2,898,149  
2,898,150  
2,898,151  
2,898,152  
2,898,153  
2,898,154  
2,898,155  
2,898,156  
2,899,240  
2,900,208  
2,901,291  
2,901,292  
2,902,316  
2,902,317  
2,902,318  
2,902,387  
2,903,300  
2,904,372  
2,904,373  
2,905,559  
2,906,560  
2,907,603  
2,907,604  
2,909,390  
2,910,323  
2,911,257  
2,911,258  
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2,911,261  
2,912,278  
2,912,279  
2,912,280  
2,912,281  
2,914,355  
2,914,356  
2,915,332  
2,916,328  
2,917,341  
2,918,329  
2,919,330  
2,899,241  
2,916,329  
2,878,074  
2,911,262  
2,902,319

## Class 302

2: 2,890,913  
2,912,282  
2,868,589  
2,915,336  
2,898,590  
2,873,143  
2,880,036  
2,889,174  
2,895,768  
2,896,157  
2,907,605  
2,909,391  
2,901,293  
2,872,248  
2,879,109  
2,874,716  
2,897,005  
2,867,478  
2,874,999  
2,903,301  
2,913,279  
2,913,280  
2,918,330  
2,882,097  
2,883,240  
2,912,283

34: 2,916,330  
2,913,281  
2,897,006  
2,917,342  
2,894,757  
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2,903,302  
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2,868,591  
2,878,075  
2,891,817  
2,897,007  
2,917,343  
2,919,158  
2,872,249  
2,873,144  
2,873,145  
2,877,056  
2,878,076  
2,897,008  
2,897,009  
2,898,158  
2,884,281  
2,907,606  
2,912,284  
2,915,337  
2,915,338  
2,915,339  
2,915,340  
2,915,341  
2,919,159  
2,877,057  
2,919,160  
2,898,153  
2,898,154  
2,912,285  
2,898,156  
2,873,146  
2,875,000  
2,880,037  
2,880,038  
2,887,341  
2,890,080  
2,890,081  
2,899,392  
2,917,344  
2,904,378  
2,904,379  
2,905,559  
2,906,560  
2,907,604  
2,909,390  
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2,914,355  
2,914,356  
2,915,332  
2,916,328  
2,917,341  
2,918,329  
2,919,330  
2,899,241  
2,916,329  
2,878,074  
2,911,262  
2,902,319

## Class 303

2: 2,874,002  
2,919,161  
2,910,324  
2,882,098  
2,911,263  
2,914,358  
2,897,010  
2,897,011  
2,872,250  
2,892,660  
2,907,607  
2,919,162  
2,919,163  
2,919,164  
2,919,165  
2,916,344  
2,906,561  
2,914,359  
2,871,063  
2,897,012  
2,901,325  
2,911,064  
2,871,065  
2,913,282  
2,905,507  
2,874,310  
2,880,039  
2,873,148  
2,876,045  
2,891,818  
2,910,326  
2,910,327  
2,911,264  
2,909,391  
2,901,293  
2,872,248  
2,879,109  
2,874,716  
2,897,005  
2,867,478  
2,874,999  
2,903,301  
2,913,279  
2,913,280  
2,918,330  
2,882,097  
2,883,240  
2,912,283

## Class 304

2: 2,872,251  
2,872,252  
2,877,058  
2,882,099  
2,882,100  
2,897,013  
2,892,661

5: 2,874,003  
2,874,004  
2,876,046  
2,889,176  
2,889,177  
2,889,178  
2,911,265  
2,881,028  
2,888,298  
2,882,101  
2,868,591  
2,878,078  
2,881,029  
2,868,592  
2,888,299  
2,880,082  
2,871,067  
2,873,144  
2,873,145  
2,877,056  
2,878,076  
2,897,008  
2,897,009  
2,898,158  
2,884,281  
2,907,606  
2,912,284  
2,915,337  
2,915,338  
2,915,339  
2,915,340  
2,915,341  
2,919,159  
2,877,057  
2,919,160  
2,898,153  
2,898,154  
2,912,285  
2,898,156  
2,873,146  
2,875,000  
2,880,037  
2,880,038  
2,887,341  
2,890,080  
2,890,081  
2,899,392  
2,917,344  
2,904,378  
2,904,379  
2,905,559  
2,906,560  
2,907,604  
2,909,390  
2,910,323  
2,911,257  
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2,912,278  
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2,912,281  
2,914,355  
2,914,356  
2,915,332  
2,916,328  
2,917,341  
2,918,329  
2,919,330  
2,899,241  
2,916,329  
2,878,074  
2,911,262  
2,902,319

## Class 305

1: 2,877,059  
2,893,787  
2,900,210  
2,891,821  
2,869,931  
2,867,342  
2,897,480  
2,909,932  
2,874,005  
2,876,049  
2,877,060  
2,882,103  
2,915,645  
2,917,339  
2,919,354  
2,901,638  
2,901,639  
2,901,640  
2,901,641  
2,887,332  
2,887,333  
2,887,334  
2,887,335  
2,899,000  
2,899,001  
2,899,002  
2,870,344  
2,870,345  
2,870,346  
2,870,347  
2,870,348  
2,871,376  
2,871,377  
2,871,378  
2,871,379  
2,872,592  
2,872,593  
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2,873,384  
2,873,385  
2,873,386  
2,873,387  
2,873,388  
2,874,311  
2,874,312  
2,874,313  
2,876,365  
2,876,366  
2,877,357  
2,877,358  
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2,878,398  
2,878,399  
2,879,409  
2,879,410  
2,879,411  
2,879,412  
2,880,330  
2,880,331  
2,880,332  
2,881,332  
2,881,333  
2,882,423  
2,882,424  
2,882,425  
2,883,562  
2,884,544  
2,884,545  
2,884,546  
2,885,570  
2,885,571  
2,885,572  
2,885,573  
2,885,574  
2,885,575  
2,887,590

## Class 306

1: 2,904,373  
1.5: 2,873,149  
1.6: 2,877,061  
2,878,080  
2,917,349

## Class 307

1: 2,873,383  
2,867,730  
2,883,560  
2,885,566  
2,897,376  
2,902,606  
2,904,702  
2,901,325  
2,911,064  
2,871,065  
2,913,282  
2,905,507  
2,874,310  
2,880,039  
2,873,148  
2,876,045  
2,891,818  
2,910,326  
2,910,327  
2,911,264  
2,909,391  
2,901,293  
2,872,248  
2,879,109  
2,874,716  
2,897,005  
2,867,478  
2,874,999  
2,903,301  
2,913,279  
2,913,280  
2,918,330  
2,882,097  
2,883,240  
2,912,283

## Class 308

2: 2,807,015  
2,912,287  
2,914,361  
2,888,300  
2,907,609  
2,898,162  
2,905,509  
2,909,391  
2,909,392  
2,909,393  
2,909,394  
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2,909,885  
2,909,886  
2,909,887  
2,909,888  
2,909,889  
2,90



## Class 312—Con.

212: 2,911,275  
245: 2,917,356  
248: 2,927,077  
2,932,113  
2,938,173  
249: 2,933,806  
253: 2,937,351  
2,943,316  
257: 2,948,605  
2,949,253  
2,949,254  
2,951,352  
261: 2,954,382  
263: 2,959,953  
2,974,015  
2,984,296  
267: 2,981,041  
268: 2,973,160  
2,975,014  
2,985,517  
270: 2,987,618  
273: 2,972,267  
274: 2,989,255  
275: 2,989,954  
276: 2,986,394  
279: 2,982,114  
2,985,395  
2,993,807  
280: 2,972,268  
284: 2,993,317  
2,995,353  
286: 2,914,370  
287: 2,915,354  
290: 2,995,782  
292: 2,973,161  
293: 2,988,606  
294: 2,994,383  
295: 2,998,174  
298: 2,998,539  
299: 2,980,049  
2,982,115  
2,989,256  
297: 2,989,955  
2,989,956  
2,973,162  
298: 2,989,957  
301: 2,987,352  
303: 2,976,057  
2,991,308  
304: 2,984,297  
2,991,833  
2,993,318  
306: 2,910,335  
307: 2,991,834  
308: 2,986,396  
309: 2,996,579  
310: 2,971,084  
2,978,092  
2,988,308  
311: 2,918,341  
313: 2,994,794  
316: 2,993,808  
319: 2,990,090  
2,995,518  
320: 2,997,033  
323: 2,967,489  
2,969,958  
325: 2,975,015  
327: 2,997,034  
328: 2,969,959  
2,974,016  
2,910,336  
330: 2,972,269  
2,997,035  
2,915,342  
332: 2,968,607  
2,972,270  
333: 2,969,960  
337: 2,968,608  
339: 2,969,961  
2,971,085  
345: 2,972,271  
350: 2,905,519  
2,911,276  
351: 2,975,016

## Class 313

7: 2,870,358  
2,882,429  
2,883,568  
2,884,550  
2,896,103  
10: 2,910,601  
11.5: 2,892,112  
2,913,608  
17: 2,888,584  
2,901,646  
23: 2,906,901  
25: 2,875,358  
2,888,585  
2,901,647  
2,901,648

25: 2,904,710  
2,918,592  
29: 2,877,367  
2,906,902  
32: 2,886,723  
2,886,724  
2,900,541  
2,907,905  
35: 2,913,609  
36: 2,870,359  
39: 2,899,009  
42: 2,892,113  
2,896,104  
45: 2,904,711  
54: 2,874,319  
2,919,361  
55: 2,885,582  
2,903,611  
2,905,841  
2,919,362  
56: 2,896,105  
2,900,542  
57: 2,886,725  
58: 2,890,358  
59: 2,909,686  
60: 2,885,583  
2,885,584  
61: 2,902,613  
2,902,614  
2,906,903  
62: 2,905,842  
63: 2,880,337  
2,892,114  
2,909,697  
64: 2,885,782  
2,882,430  
2,899,575  
2,907,906  
65: 2,899,010  
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85: 2,875,361  
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2,890,362  
2,902,115  
2,906,904  
2,908,338  
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89: 2,875,362  
2,879,423  
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92: 2,875,363  
2,882,432  
2,890,333  
2,892,116  
2,897,392  
2,898,495  
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93: 2,873,399  
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67: 2,909,687  
68: 2,870,360  
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2,879,420  
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69: 2,888,587  
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70: 2,887,598  
2,898,491  
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2,907,907  
73: 2,915,661  
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74: 2,885,585  
2,887,599  
2,898,492  
2,880,339  
2,881,342  
76: 2,881,341  
2,882,431  
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2,885,586  
2,901,651  
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2,911,553  
2,909,578  
2,901,650  
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2,903,612

76: 2,909,688  
2,913,611  
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2,915,662  
77: 2,870,361  
2,872,607  
2,880,340  
2,880,341  
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2,898,493  
2,900,544  
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45: 2,904,711  
54: 2,874,319  
2,919,361  
55: 2,885,582  
2,903,611  
2,905,841  
2,919,362  
82: 2,871,387  
2,877,369  
2,877,370  
2,879,421  
2,880,342  
2,888,588  
2,888,589  
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84: 2,876,372  
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85: 2,875,361  
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89: 2,875,362  
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92: 2,875,363  
2,882,432  
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93: 2,873,399  
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67: 2,909,687  
68: 2,870,360  
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2,908,336  
2,915,690  
69: 2,888,587  
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70: 2,887,598  
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73: 2,915,661  
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74: 2,885,585  
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2,903,612

109: 2,890,364  
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2,901,653  
2,906,905  
2,907,909  
2,915,664  
2,916,645  
109.5: 2,874,320  
2,878,407  
2,891,184  
2,898,500  
2,906,906  
2,909,584  
111: 2,880,480  
112: 2,899,584  
2,904,713  
113: 2,869,011  
2,870,362  
2,891,186  
2,901,654  
2,904,714  
2,905,850  
2,909,693  
2,910,605  
2,915,665  
2,918,595  
115: 2,879,425  
2,880,347  
2,899,690  
117: 2,876,375  
2,876,376  
123: 2,890,365  
124: 2,914,693  
125: 2,900,546  
130: 2,867,740  
2,874,321  
2,879,426  
2,883,572  
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2,910,607  
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252: 2,907,911  
254: 2,884,553  
256: 2,872,609  
2,881,347  
257: 2,883,576  
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258: 2,880,350  
259: 2,880,351  
260: 2,872,610  
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261: 2,887,607  
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2,910,609  
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270: 2,884,554  
2,886,734  
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272: 2,882,436  
273: 2,886,735  
274: 2,910,610  
276: 2,910,610  
278: 2,877,373  
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2,915,668  
279: 2,880,352  
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284: 2,918,598  
290: 2,883,577  
291: 2,894,167  
292: 2,919,371  
293: 2,879,429  
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2,884,556  
2,887,608  
2,888,595  
2,889,597  
2,899,483  
2,899,504  
303: 2,888,591  
306: 2,875,366  
307: 2,898,505  
2,899,506  
308: 2,890,367  
309: 2,901,659  
313: 2,877,374  
2,889,484  
315: 2,877,375

198: 2,872,608  
2,908,841  
204: 2,917,650  
209: 2,899,588  
210: 2,917,651  
213: 2,882,434  
217: 2,878,408  
2,894,165  
219: 2,905,911  
220: 2,881,345  
221: 2,894,166  
2,909,696  
222: 2,882,435  
226: 2,891,189  
231: Re.24,605  
2,873,400  
2,881,346  
2,882,432  
2,883,573  
2,883,574  
2,907,910  
2,919,370  
232: 2,887,604  
237: 2,909,698  
238: 2,871,391  
2,898,503  
2,909,699  
2,916,652  
242: 2,877,372  
2,918,597  
243: 2,899,589  
244: 2,880,349  
245: 2,897,394  
247: 2,867,741  
2,879,428  
2,883,575  
250: 2,889,590  
2,910,607  
2,916,649  
252: 2,907,911  
254: 2,884,553  
256: 2,872,609  
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257: 2,883,576  
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258: 2,880,350  
259: 2,880,351  
260: 2,872,610  
2,917,652  
261: 2,887,607  
2,888,589  
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2,915,667  
270: 2,884,554  
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2,902,619  
2,914,694  
272: 2,882,436  
273: 2,886,735  
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278: 2,877,373  
2,898,842  
2,909,701  
2,915,668  
279: 2,880,352  
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2,901,658  
2,910,611  
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284: 2,918,598  
290: 2,883,577  
291: 2,894,167  
292: 2,919,371  
293: 2,879,429  
2,882,439  
2,882,440  
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2,887,608  
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2,889,597  
2,899,483  
2,899,504  
303: 2,888,591  
306: 2,875,366  
307: 2,898,505  
2,899,506  
308: 2,890,367  
309: 2,901,659  
313: 2,877,374  
2,889,484  
315: 2,877,375

318: 2,884,555  
2,904,716  
325: 2,914,695  
331: 2,900,553  
332: 2,917,653  
337: 2,870,366  
2,872,611  
2,899,591  
2,904,554  
2,917,655  
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2,919,375  
339: 2,890,016  
340: 2,875,367  
2,919,373  
341: 2,879,431  
343: 2,892,120  
344: 2,906,912  
346: 2,867,742  
2,879,400  
2,878,409  
2,879,432  
2,885,592  
2,895,070  
2,898,592  
2,902,620  
2,907,918  
2,900,373  
2,901,661  
2,916,611  
2,916,652  
350: 2,899,015  
2,899,395  
352: 2,886,737  
355: 2,874,325  
2,900,555  
2,904,717

## Class 314

47: 2,896,108  
50: 2,890,368  
61: 2,882,437  
2,916,654  
62: 2,917,654  
68: 2,880,485  
2,906,913  
69: 2,890,596  
71: 2,879,434  
72: 2,912,612  
73: 2,904,718  
74: 2,875,368  
2,913,618  
75: 2,867,743  
135: 2,873,402

## Class 315

1: 2,878,411  
2,879,435  
2,885,590  
2,885,591  
2,888,593  
2,898,506  
3: 2,879,436  
2,888,594  
2,890,369  
2,897,396  
2,903,613  
3.5: 2,867,744  
2,867,745  
2,869,018  
2,869,019  
2,869,020  
2,869,021  
2,871,392  
2,871,393  
2,871,394  
2,871,395  
2,876,378  
2,876,379  
2,878,412  
2,913,619  
2,879,438  
2,880,353  
2,880,354  
2,880,355  
2,882,438  
2,882,439  
2,882,440  
2,884,556  
2,887,608  
2,888,595  
2,889,597  
2,899,483  
2,899,504  
303: 2,888,591  
306: 2,875,366  
307: 2,898,505  
2,899,506  
308: 2,890,367  
309: 2,901,659  
313: 2,877,374  
2,889,484  
315: 2,877,375

3.5: 2,906,914  
2,907,913  
2,908,843  
2,911,554  
2,911,555  
2,916,655  
2,916,656  
2,917,655  
2,919,374  
2,919,375  
2,899,022  
2,899,023  
2,870,367  
2,876,380  
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2,887,609  
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2,900,373  
2,901,661  
2,916,611  
2,916,652  
350: 2,899,015  
2,899,395  
352: 2,886,737  
355: 2,874,325  
2,900,555  
2,904,717

8.6: 2,918,600  
2,919,376  
10: 2,890,034  
2,907,369  
2,870,370  
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2,875,370  
2,878,416  
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2,881,353  
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2,887,612  
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2,895,594  
2,899,600  
2,899,601  
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2,909,703  
2,910,615  
2,911,561  
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2,914,697  
2,889,025  
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2,887,611  
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2,906,913  
2,907,392  
2,911,558  
2,916,657  
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2,879,439  
2,917,656  
5.12: 2,900,559  
2,905,072  
2,908,845  
5.16: 2,912,613  
5.18: 2,882,442  
5.19: 2,892,957  
2,892,957  
2,900,560  
2,904,719  
2,910,612  
2,911,559  
2,911,560  
2,917,657  
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2,878,415  
2,879,435  
5.22: 2,881,351  
5.23: 2,880,357  
2,900,561  
5.32: 2,901,660  
5.34: 2,904,720  
5.35: 2,916,659  
5.38: 2,867,747  
2,879,440  
2,894,169  
2,899,702  
2,900,564  
2,901,613  
5.39: 2,871,396  
2,882,441  
2,882,442  
5.41: 2,894,170  
2,894,171  
2,897,444  
2,884,559  
2,888,603  
2,888,604  
2,897,919  
2,911,565  
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2,912,618  
2,913,624  
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2,916,665  
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5.52: 2,874,327  
5.53: 2,874,327  
2,887,601  
8: 2,898,509  
2,907,914  
8.5: 2,871,398  
2,881,352  
2,888,606  
2,907,916  
2,919,378  
2,919,379  
2,914,699  
2,914,699  
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2,881,357  
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21: 2,867,740  
2,871,403  
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2,878,417  
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2,911,561  
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2,914,697  
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2,887,611  
2,888,598  
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2,900,373  
2,901,661  
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2,916,652  
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2,891,558  
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2,907,392  
2,911,558  
2,916,657  
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2,879,439  
2,917,656  
5.12: 2,900,559  
2,905,072  
2,908,845  
5.16: 2,912,613  
5.18: 2,882,442  
5.19: 2,892,957  
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2,900,560  
2,904,719  
2,910,612  
2,911,559  
2,911,560  
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2,878,415  
2,879,435  
5.22: 2,881,351  
5.23: 2,880,357  
2,900,561  
5.32: 2,901,660  
5.34: 2,904,720  
5.35: 2,916,659  
5.38: 2,867,747  
2,879,440  
2,894,169  
2,899,702  
2,900,564  
2,901,613  
5.39: 2,871,396  
2,882,441  
2,882,442  
5.41: 2,894,170  
2,894,171  
2,897,444  
2,884,559  
2,888,603  
2,888,604  
2,897,919  
2,911,565  
2,911,566  
2,912,618  
2,913,624  
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2,916,665  
2,917,660  
5.52: 2,874,327  
5.53: 2,874,327  
2,887,601  
8: 2,898,509  
2,907,914  
8.5: 2,871,398  
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2,888,606  
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2,914,699  
2,914,699  
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2,919,381  
2,881,357  
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36: 2,891,193  
2,891,194  
2,896,118  
2,896,602  
2,900,566  
2,913,626  
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2,915,674  
2,916,670  
2,917,662  
39: 2,870,374  
2,886,742  
2,895,075  
2,895,594  
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2,907,392  
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2,916,657  
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2,879,439  
2,917,656  
5.12: 2,900,559  
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2,908,845  
5.16: 2,912,613  
5.18: 2,882,442  
5.19: 2,892,957  
2,892,957  
2,900,560  
2,904



<b>Class 317—Con.</b>	230: 2,871,426	237: 2,909,716	28: 2,869,058	166: 2,871,433	467: 2,884,581	23: 2,905,881
149: 2,890,392	2,872,629	2,916,678	2,872,631	167: 2,914,718	2,886,758	24: 2,891,211
2,896,131	2,881,368	238: 2,887,632	2,874,343	169: 2,887,760	2,888,624	25: 2,882,478
2,905,869	2,884,575	2,887,633	2,877,398	170: 2,876,405	2,888,625	2,897,437
2,911,573	2,885,607	239: 2,871,427	2,878,434	171: 2,898,533	2,899,621	2,886,630
2,914,711	2,890,394	2,877,399	2,881,375	2,916,682	2,913,655	2,896,147
150: 2,901,676	2,897,418	240: 2,874,341	2,885,611	175: 2,871,434	2,915,691	27: 2,872,636
2,911,574	2,900,579	2,878,432	2,885,612	2,881,377	2,901,212	2,899,627
151: 2,906,927	2,907,933	2,906,932	2,886,751	186: 2,891,207	2,899,627	2,899,628
153: 2,906,928	2,908,849	2,910,633	2,886,752	197: 2,896,143	2,899,628	2,899,629
155.5: 2,878,431	2,910,633	2,917,683	2,886,753	204: 2,872,632	2,899,629	2,899,630
2,909,712	2,917,683	2,881,371	2,887,753	207: 2,884,579	2,899,630	2,899,631
156: 2,882,457	233: 2,877,391	2,888,620	2,889,504	2,885,619	2,899,631	2,899,632
2,890,393	234: 2,875,384	2,889,505	2,890,505	2,894,189	2,899,632	2,899,633
2,913,639	2,876,369	2,892,136	2,891,505	2,910,636	2,899,633	2,899,634
2,914,712	2,877,392	2,898,528	2,894,185	2,910,637	2,899,634	2,899,635
157: 2,870,383	2,877,393	2,903,631	2,895,426	2,910,638	2,899,635	2,899,636
2,880,381	2,877,394	2,903,632	2,901,600	2,910,639	2,899,636	2,899,637
2,887,625	2,877,395	2,915,687	2,905,874	2,910,640	2,899,637	2,899,638
2,905,870	2,879,458	2,918,613	2,906,935	2,910,641	2,899,638	2,899,639
158: 2,871,420	2,881,369	2,887,402	2,907,936	2,910,642	2,899,639	2,899,640
2,888,616	2,883,591	2,892,137	2,908,506	2,910,643	2,899,640	2,899,641
2,889,497	2,884,576	2,895,093	2,909,506	2,910,644	2,899,641	2,899,642
2,900,582	2,885,608	2,899,611	2,910,506	2,910,645	2,899,642	2,899,643
2,912,627	2,886,746	2,901,389	2,911,506	2,910,646	2,899,643	2,899,644
159: 2,869,047	2,887,627	2,912,628	2,912,628	2,910,647	2,899,644	2,899,645
2,884,572	2,887,628	2,899,612	2,899,612	2,910,648	2,899,645	2,899,646
2,888,617	2,887,629	2,899,613	2,899,613	2,910,649	2,899,646	2,899,647
2,897,414	2,887,630	2,899,614	2,899,614	2,910,650	2,899,647	2,899,648
2,915,682	2,887,631	2,899,615	2,899,615	2,910,651	2,899,648	2,899,649
163: 2,882,458	2,888,618	2,899,616	2,899,616	2,910,652	2,899,649	2,899,650
165: 2,869,048	2,889,498	2,899,617	2,899,617	2,910,653	2,899,650	2,899,651
2,880,382	2,890,395	2,899,618	2,899,618	2,910,654	2,899,651	2,899,652
2,885,606	2,891,576	2,899,619	2,899,619	2,910,655	2,899,652	2,899,653
2,894,181	2,892,138	2,899,620	2,899,620	2,910,656	2,899,653	2,899,654
2,895,089	2,893,139	2,899,621	2,899,621	2,910,657	2,899,654	2,899,655
2,909,713	2,894,182	2,899,622	2,899,622	2,910,658	2,899,655	2,899,656
2,916,676	2,895,090	2,899,623	2,899,623	2,910,659	2,899,656	2,899,657
166: 2,869,049	2,896,136	2,899,624	2,899,624	2,910,660	2,899,657	2,899,658
2,910,681	2,897,419	2,899,625	2,899,625	2,910,661	2,899,658	2,899,659
167: 2,871,421	2,898,528	2,899,626	2,899,626	2,910,662	2,899,659	2,899,660
2,872,626	2,899,507	2,899,627	2,899,627	2,910,663	2,899,660	2,899,661
171: 2,869,050	2,900,507	2,899,628	2,899,628	2,910,664	2,899,661	2,899,662
2,876,397	2,901,507	2,899,629	2,899,629	2,910,665	2,899,662	2,899,663
2,881,365	2,902,507	2,899,630	2,899,630	2,910,666	2,899,663	2,899,664
2,883,589	2,903,507	2,899,631	2,899,631	2,910,667	2,899,664	2,899,665
2,897,415	2,904,507	2,899,632	2,899,632	2,910,668	2,899,665	2,899,666
2,917,681	2,905,507	2,899,633	2,899,633	2,910,669	2,899,666	2,899,667
172: 2,876,398	2,906,507	2,899,634	2,899,634	2,910,670	2,899,667	2,899,668
2,898,527	2,907,507	2,899,635	2,899,635	2,910,671	2,899,668	2,899,669
176: 2,867,755	2,908,507	2,899,636	2,899,636	2,910,672	2,899,669	2,899,670
2,913,641	2,909,507	2,899,637	2,899,637	2,910,673	2,899,670	2,899,671
2,914,713	2,910,507	2,899,638	2,899,638	2,910,674	2,899,671	2,899,672
2,915,683	2,911,507	2,899,639	2,899,639	2,910,675	2,899,672	2,899,673
177: 2,869,051	2,912,507	2,899,640	2,899,640	2,910,676	2,899,673	2,899,674
178: 2,904,728	2,913,507	2,899,641	2,899,641	2,910,677	2,899,674	2,899,675
180: 2,883,590	2,914,507	2,899,642	2,899,642	2,910,678	2,899,675	2,899,676
182: 2,900,583	2,915,507	2,899,643	2,899,643	2,910,679	2,899,676	2,899,677
187: 2,867,756	2,916,507	2,899,644	2,899,644	2,910,680	2,899,677	2,899,678
2,916,677	2,917,507	2,899,645	2,899,645	2,910,681	2,899,678	2,899,679
188: 2,887,626	2,918,507	2,899,646	2,899,646	2,910,682	2,899,679	2,899,680
2,895,090	2,919,507	2,899,647	2,899,647	2,910,683	2,899,680	2,899,681
189: 2,871,422	2,920,507	2,899,648	2,899,648	2,910,684	2,899,681	2,899,682
2,872,627	2,921,507	2,899,649	2,899,649	2,910,685	2,899,682	2,899,683
191: 2,869,052	2,922,507	2,899,650	2,899,650	2,910,686	2,899,683	2,899,684
2,876,398	2,923,507	2,899,651	2,899,651	2,910,687	2,899,684	2,899,685
2,880,383	2,924,507	2,899,652	2,899,652	2,910,688	2,899,685	2,899,686
2,904,729	2,925,507	2,899,653	2,899,653	2,910,689	2,899,686	2,899,687
192: 2,873,412	2,926,507	2,899,654	2,899,654	2,910,690	2,899,687	2,899,688
2,895,091	2,927,507	2,899,655	2,899,655	2,910,691	2,899,688	2,899,689
195: 2,884,573	2,928,507	2,899,656	2,899,656	2,910,692	2,899,689	2,899,690
2,897,416	2,929,507	2,899,657	2,899,657	2,910,693	2,899,690	2,899,691
2,901,677	2,930,507	2,899,658	2,899,658	2,910,694	2,899,691	2,899,692
196: 2,882,459	2,931,507	2,899,659	2,899,659	2,910,695	2,899,692	2,899,693
2,887,631	2,932,507	2,899,660	2,899,660	2,910,696	2,899,693	2,899,694
197: 2,872,627	2,933,507	2,899,661	2,899,661	2,910,697	2,899,694	2,899,695
2,872,628	2,934,507	2,899,662	2,899,662	2,910,698	2,899,695	2,899,696
2,882,460	2,935,507	2,899,663	2,899,663	2,910,699	2,899,696	2,899,697
2,901,199	2,936,507	2,899,664	2,899,664	2,910,700	2,899,697	2,899,698
2,905,871	2,937,507	2,899,665	2,899,665	2,910,701	2,899,698	2,899,699
198: 2,875,383	2,938,507	2,899,666	2,899,666	2,910,702	2,899,699	2,899,700
2,881,366	2,939,507	2,899,667	2,899,667	2,910,703	2,899,700	2,899,701
2,882,461	2,940,507	2,899,668	2,899,668	2,910,704	2,899,701	2,899,702
2,884,574	2,941,507	2,899,669	2,899,669	2,910,705	2,899,702	2,899,703
2,891,200	2,942,507	2,899,670	2,899,670	2,910,706	2,899,703	2,899,704
2,918,611	2,943,507	2,899,671	2,899,671	2,910,707	2,899,704	2,899,705
199: 2,881,367	2,944,507	2,899,672	2,899,672	2,910,708	2,899,705	2,899,706
2,896,132	2,945,507	2,899,673	2,899,673	2,910,709	2,899,706	2,899,707
2,904,730	2,946,507	2,899,674	2,899,674	2,910,710	2,899,707	2,899,708
2,905,872	2,947,507	2,899,675	2,899,675	2,910,711	2,899,708	2,899,709
200: 2,873,413	2,948,507	2,899,676	2,899,676	2,910,712	2,899,709	2,899,710
2,917,682	2,949,507	2,899,677	2,899,677	2,910,713	2,899,710	2,899,711
201: 2,894,182	2,950,507	2,899,678	2,899,678	2,910,714	2,899,711	2,899,712
2,895,092	2,951,507	2,899,679	2,899,679	2,910,715	2,899,712	2,899,713
2,906,929	2,952,507	2,899,680	2,899,680	2,910,716	2,899,713	2,899,714
2,914,714	2,953,507	2,899,681	2,899,681	2,910,717	2,899,714	2,899,715
201.5: 2,870,384	2,954,507	2,899,682	2,899,682	2,910,718	2,899,715	2,899,716
2,910,682	2,955,507	2,899,683	2,899,683	2,910,719	2,899,716	2,899,717
203: 2,896,133	2,956,507	2,899,684	2,899,684	2,910,720	2,899,717	2,899,718
2,897,417	2,957,507	2,899,685	2,899,685	2,910,721	2,899,718	2,899,719
230: 2,869,052	2,958,507	2,899,686	2,899,686	2,910,722	2,899,719	2,899,720
2,872,628	2,959,507	2,899,687	2,899,687	2,910,723	2,899,720	2,899,721
2,872,629	2,960,507	2,899,688	2,899,688	2,910,724	2,899,721	2,899,722
2,872,630	2,961,507	2,899,689	2,899,689	2,910,725	2,899,722	2,899,723
2,872,631	2,962,507	2,899,690	2,899,690	2,910,726	2,899,723	2,899,724
2,872,632	2,963,507	2,899,691	2,899,691	2,910,727	2,899,724	2,899,725
2,872,633	2,964,507	2,899,692	2,899,692	2,910,728	2,899,725	2,899,726
2,872,634	2,965,507	2,899,693	2,899,693	2,910,729	2,899,726	2,899,727
2,872,635	2,966,507	2,899,694	2,899,694	2,910,730	2,899,727	2,899,728
2,872,636	2,967,507	2,899,695	2,899,695	2,910,731	2,899,728	2,899,729
2,872,637	2,968,507	2,899,696	2,899,696	2,910,732	2,899,729	2,899,730
2,872,638	2,969,507	2,899,697	2,899,697	2,910,733	2,899,730	2,899,731
2,872,639	2,970,507	2,899,698	2,899,698	2,910,734	2,899,731	2,899,732
2,872,640	2,971,507	2,899,699	2,899,699	2,910,735	2,899,732	2,899,733
2,872,641	2,972,507	2,899,700	2,899,700	2,910,736	2,899,733	2,899,734
2,872,642	2,973,507					



## Class 332

1: 2,876,418  
2: 2,887,659  
2: 2,878,420  
2: 2,877,420  
2: 2,878,451  
2: 2,887,660  
2: 2,888,558  
4: 2,917,715  
7: 2,888,646  
2: 2,897,455  
8: 2,874,355  
9: 2,876,419  
2: 2,877,421  
2: 2,887,661  
2: 2,889,521  
2: 2,892,979  
2: 2,902,657  
2: 2,913,675  
11: 2,869,079  
2: 2,888,647  
2: 2,894,214  
12: 2,875,412  
14: 2,892,980  
2: 2,894,215  
2: 2,917,716  
2: 2,919,415  
15: 2,877,717  
16: 2,870,411  
2: 2,870,412  
2: 2,879,480  
2: 2,881,393  
2: 2,887,662  
2: 2,888,648  
2: 2,890,417  
2: 2,892,981  
2: 2,900,607  
2: 2,902,658  
2: 2,906,968  
2: 2,913,676  
17: 2,888,649  
20: 2,880,395  
22: 2,877,422  
23: 2,886,784  
24: 2,887,663  
25: 2,871,451  
26: 2,878,452  
2: 2,906,969  
27: 2,917,718  
28: 2,869,080  
2: 2,884,598  
29: 2,919,416  
31: 2,870,413  
2: 2,890,418  
37: 2,877,423  
38: 2,877,424  
41: 2,872,646  
2: 2,881,394  
2: 2,907,956  
43: 2,875,413  
44: 2,870,414  
2: 2,883,625  
45: 2,872,647  
2: 2,896,172  
47: 2,902,659  
49: 2,883,626  
51: 2,870,415  
2: 2,870,416  
2: 2,881,395  
2: 2,884,599  
2: 2,892,158  
2: 2,902,660  
2: 2,914,735  
2: 2,914,736  
52: 2,875,414  
2: 2,879,481  
2: 2,879,482  
2: 2,882,499  
2: 2,895,109  
2: 2,900,608  
2: 2,911,597  
2: 2,915,711  
54: 2,892,157  
57: 2,903,652  
64: 2,918,631  
68: 2,916,706

## Class 333

5: 2,883,627  
6: 2,872,648  
2: 2,874,356  
2: 2,888,650  
7: 2,869,081  
2: 2,870,418  
2: 2,877,425  
2: 2,894,216  
2: 2,896,173  
2: 2,901,708  
2: 2,905,908  
2: 2,917,719

8: 2,891,222  
2: 2,914,737  
9: 2,867,772  
2: 2,877,426  
2: 2,877,427  
2: 2,879,484  
2: 2,884,600  
2: 2,884,601  
2: 2,887,664  
2: 2,897,456  
2: 2,899,650  
2: 2,908,872  
2: 2,913,678  
10: 2,870,419  
2: 2,871,452  
2: 2,875,415  
2: 2,883,628  
2: 2,896,174  
2: 2,897,457  
2: 2,898,559  
2: 2,909,735  
2: 2,901,709  
2: 2,867,773  
2: 2,876,421  
2: 2,880,396  
2: 2,882,940  
2: 2,885,640  
2: 2,903,653  
2: 2,909,733  
2: 2,918,632  
2: 2,919,417  
12: 2,866,175  
2: 2,867,772  
2: 2,879,485  
2: 2,880,397  
2: 2,884,602  
2: 2,890,419  
2: 2,892,983  
2: 2,897,458  
2: 2,903,655  
2: 2,916,707  
16: 2,867,774  
2: 2,881,396  
17: 2,867,775  
2: 2,910,655  
18: 2,908,873  
2: 2,908,874  
19: 2,894,218  
2: 2,916,708  
2: 2,871,453  
2: 2,879,486  
2: 2,881,397  
2: 2,890,420  
2: 2,869,082  
2: 2,881,398  
2: 2,886,785  
2: 2,894,218  
2: 2,899,651  
2: 2,877,428  
2: 2,880,398  
2: 2,881,399  
2: 2,884,603  
2: 2,894,219  
2: 2,901,710  
2: 2,908,875  
2: 2,875,416  
2: 2,883,629  
2: 2,870,415  
2: 2,884,604  
2: 2,881,395  
2: 2,884,599  
2: 2,892,158  
2: 2,902,660  
2: 2,914,735  
2: 2,914,736  
2: 2,875,414  
2: 2,879,481  
2: 2,879,482  
2: 2,882,499  
2: 2,895,109  
2: 2,900,608  
2: 2,911,597  
2: 2,915,711  
54: 2,892,157  
57: 2,903,652  
64: 2,918,631  
68: 2,916,706

31: 2,885,641  
2: 2,888,651  
2: 2,892,984  
2: 2,894,223  
2: 2,895,112  
2: 2,897,459  
2: 2,897,460  
2: 2,911,599  
2: 2,915,714  
2: 2,916,710  
2: 2,916,711  
2: 2,919,418  
2: 2,870,420  
2: 2,878,453  
2: 2,896,177  
2: 2,897,460  
2: 2,898,560  
2: 2,901,712  
2: 2,907,959  
2: 2,909,735  
2: 2,913,681  
2: 2,918,633  
2: 2,905,909  
2: 2,906,971  
2: 2,918,634  
2: 2,877,432  
2: 2,878,454  
2: 2,886,787  
2: 2,906,973  
2: 2,908,877  
2: 2,910,657  
2: 2,913,682  
2: 2,907,781  
2: 2,867,782  
2: 2,877,433  
2: 2,890,421  
2: 2,896,178  
2: 2,915,716  
2: 2,916,712  
2: 2,907,960  
2: 2,872,649  
2: 2,890,422  
2: 2,912,656  
2: 2,889,522  
2: 2,890,423  
2: 2,892,985  
2: 2,884,605  
2: 2,918,635  
2: 2,890,424  
2: 2,892,985  
2: 2,905,912  
2: 2,880,398  
2: 2,870,421  
2: 2,892,164  
2: 2,904,758  
2: 2,908,875  
2: 2,880,399  
2: 2,877,429  
2: 2,883,629  
2: 2,884,606  
2: 2,890,424  
2: 2,891,223  
2: 2,898,561  
2: 2,903,658  
2: 2,907,961  
2: 2,909,736  
2: 2,911,601  
2: 2,885,642  
2: 2,888,653  
2: 2,890,425  
2: 2,894,225  
2: 2,903,659  
2: 2,907,962  
2: 2,907,963  
2: 2,910,658  
2: 2,913,683  
2: 2,915,717  
2: 2,918,636  
2: 2,918,637  
2: 2,900,609  
2: 2,869,083  
2: 2,874,358  
2: 2,892,162  
2: 2,894,221  
2: 2,907,957  
2: 2,911,598  
2: 2,916,709  
2: 2,877,431  
2: 2,894,222  
2: 2,907,958  
2: 2,910,656  
2: 2,913,680

97: 2,894,227  
2: 2,914,740  
2: 2,918,638  
2: 2,890,085  
2: 2,899,086  
2: 2,876,423  
2: 2,877,434  
2: 2,879,487  
2: 2,881,401  
2: 2,882,502  
2: 2,883,631  
2: 2,883,632  
2: 2,884,607  
2: 2,891,224  
2: 2,891,225  
2: 2,892,986  
2: 2,892,987  
2: 2,894,228  
2: 2,894,229  
2: 2,895,114  
2: 2,898,562  
2: 2,909,735  
2: 2,904,759  
2: 2,906,974  
2: 2,906,975  
2: 2,907,964  
2: 2,908,878  
2: 2,911,600  
2: 2,913,681  
2: 2,918,633  
2: 2,905,909  
2: 2,906,971  
2: 2,918,634  
2: 2,877,432  
2: 2,878,454  
2: 2,886,787  
2: 2,906,973  
2: 2,908,877  
2: 2,910,657  
2: 2,913,682  
2: 2,907,781  
2: 2,867,782  
2: 2,877,433  
2: 2,890,421  
2: 2,896,178  
2: 2,915,716  
2: 2,916,712  
2: 2,907,960  
2: 2,872,649  
2: 2,890,422  
2: 2,912,656  
2: 2,889,522  
2: 2,890,423  
2: 2,892,985  
2: 2,884,605  
2: 2,918,635  
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2: 2,907,961  
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2: 2,911,601  
2: 2,885,642  
2: 2,888,653  
2: 2,890,425  
2: 2,894,225  
2: 2,903,659  
2: 2,907,962  
2: 2,907,963  
2: 2,910,658  
2: 2,913,683  
2: 2,915,717  
2: 2,918,636  
2: 2,918,637  
2: 2,900,609  
2: 2,869,083  
2: 2,874,358  
2: 2,892,162  
2: 2,894,221  
2: 2,907,957  
2: 2,911,598  
2: 2,916,709  
2: 2,877,431  
2: 2,894,222  
2: 2,907,958  
2: 2,910,656  
2: 2,913,680

## Class 336

5: 2,911,603  
10: 2,915,720  
20: 2,880,400  
30: 2,869,087  
2: 2,870,422  
2: 2,882,503  
2: 2,883,633  
2: 2,884,608  
2: 2,894,230  
2: 2,867,462  
2: 2,869,739  
2: 2,912,657  
40: 2,890,427  
2: 2,896,178  
2: 2,915,716  
2: 2,916,712  
60: 2,904,760  
2: 2,912,659  
65: 2,897,463  
2: 2,903,661  
68: 2,906,977  
69: 2,915,721  
70: 2,874,359  
2: 2,905,912  
73: 2,870,421  
2: 2,892,164  
2: 2,904,758  
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2: 2,911,598  
2: 2,916,709  
2: 2,877,431  
2: 2,894,222  
2: 2,907,958  
2: 2,910,656  
2: 2,913,680

## Class 335

1: 2,899,657  
2: 2,889,526  
2: 2,899,658  
2: 2,903,660  
3: 2,913,691  
4: 2,889,527  
2: 2,906,980  
2: 2,909,743  
2: 2,918,641  
6: 2,889,528  
2: 2,900,613  
2: 2,905,916  
2: 2,909,744  
2: 2,913,692  
2: 2,913,693  
8: 2,909,745  
9: 2,892,988  
15: 2,907,969  
17: 2,899,659  
20: 2,904,764  
21: 2,914,742  
23: 2,903,664  
2: 2,915,724  
27: 2,906,981  
28: 2,888,655  
2: 2,890,429  
32: 2,894,234  
35: 2,904,765  
38: 2,891,226  
39: 2,898,566  
40: 2,903,661  
41: 2,901,718  
2: 2,914,743  
2: 2,915,725  
2: 2,916,715  
42: 2,892,170  
2: 2,911,606  
43: 2,890,430  
44: 2,890,431  
48: 2,913,694  
51: 2,902,662  
52: 2,894,235

## Class 337

2: 2,918,644  
2: 2,918,645  
5: 2,874,362  
2: 2,877,435  
2: 2,879,490  
2: 2,880,402  
2: 2,885,647  
2: 2,889,530  
2: 2,890,431  
2: 2,890,432  
7: 2,911,607  
8: 2,871,455  
2: 2,883,636  
2: 2,894,239  
2: 2,897,468  
2: 2,898,572  
2: 2,919,420  
9: 2,881,403  
2: 2,890,433  
12: 2,903,667  
14: 2,872,654  
2: 2,876,426  
2: 2,880,403  
51: 2,902,662  
52: 2,894,235

## Class 338

17: 2,869,090  
2: 2,870,424  
2: 2,874,363  
2: 2,879,491  
2: 2,879,492  
2: 2,881,404  
2: 2,881,405  
2: 2,884,609  
2: 2,891,230  
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2: 2,894,240  
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<b>Class 340—Con.</b>	397: 2,892,187	11: 2,916,736	106: 2,912,690	754: 2,875,439	842: 2,915,752	74: 2,869,964
347: 2,907,019	400: 2,878,464	12: 2,903,692	2,912,691	2,892,191	844: 2,881,436	2,869,965
2,907,020	2,889,550	2,907,999	2,915,750	2,905,131	850: 2,884,632	2,869,966
2,907,021	401: 2,886,809	2,911,641	2,916,737	2,907,030	851: 2,913,724	2,872,275
2,907,997		2,867,800	2,916,738	2,885,675	2,913,725	2,876,058
2,909,768	<b>Class 343</b>	2,883,659	107: 2,880,414	2,867,801	852: 2,885,678	2,876,060
2,909,769	5: 2,878,465	2,901,746	2,892,189	2,881,432	2,903,695	2,877,080
2,910,684	2,881,421	2,881,422	2,892,190	2,881,433	2,876,448	2,879,126
2,910,685	2,882,325	2,903,693	2,907,023	2,884,630	2,878,472	2,883,257
2,910,686	2,890,448	2,907,023	2,911,642	2,899,677	2,898,563	2,885,296
2,912,684	2,891,243	2,907,023	2,913,720	2,907,031	2,908,906	2,886,397
2,914,757	2,903,690	2,911,642	2,880,415	2,907,032	855: 2,910,695	2,887,353
2,914,758	2,907,772	2,893,204	2,891,247	2,911,644	857: 2,871,478	2,890,921
2,916,734	2,914,761	2,907,024	2,898,589	2,889,552	864: 2,899,678	2,890,922
2,917,734	2,914,762	2,907,025	2,907,492	2,895,132	866: 2,878,473	2,890,923
2,919,439	6: 2,874,378	2,901,747	2,898,589	2,912,693	872: 2,913,726	2,892,667
348: 2,905,936	2,894,258	2,915,749	2,907,029	2,916,739	876: 2,885,665	2,893,810
355: 2,918,699	2,901,742	2,899,119	2,910,693	763: 2,878,470	878: 2,875,442	2,894,796
356: 2,869,116	2,915,746	2,871,471	117: 2,917,742	2,878,471	889: 2,875,443	2,894,797
359: 2,867,798	2,916,735	2,871,471	118: 2,879,506	765: 2,893,002	895: 2,919,442	2,894,798
2,876,445	2,885,665	2,874,380	2,900,633	767: 2,867,802	900: 2,886,814	2,894,799
2,913,713	2,890,449	2,879,504	119: 2,915,751	2,885,676	909: 2,870,444	2,899,260
364: 2,892,999	2,901,743	2,885,669	120: 2,871,476	2,895,133	915: 2,875,444	2,900,215
365: 2,885,664	2,910,690	2,886,812	121: 2,913,721	2,900,636		2,901,309
2,903,687	7: 2,878,466	2,896,205	123: 2,883,663	769: 2,867,803	<b>Class 346</b>	2,902,329
366: 2,867,799	2,879,502	2,897,490	124: 2,885,671	771: 2,874,382	1: 2,871,088	2,905,521
2,867,799	2,883,655	2,907,026	125: 2,885,672	2,894,261	2: 2,869,962	2,905,522
2,891,242	2,895,127	2,907,027	126: 2,885,672	2,908,001	3: 2,868,611	2,907,022
2,894,257	2,908,902	2,910,692	176: 2,909,774	2,908,905	4: 2,881,043	2,908,540
2,903,688	2,910,691	2,917,738	178: 2,900,634	2,914,766	5: 2,903,320	2,908,541
2,905,937	2,911,639	2,871,472	200: 2,881,427	776: 2,908,002	6: 2,872,272	2,909,403
367: 2,870,438	2,913,716	2,872,673	202: 2,914,767	777: 2,885,677	7: 2,879,125	2,915,357
2,884,626	7.3: 2,879,503	2,872,674	203: 2,895,128	778: 2,903,040	8: 2,906,581	2,919,170
2,893,000	2,881,423	2,876,447	205: 2,869,122	779: 2,881,434	9: 2,916,742	2,919,171
2,896,199	2,881,424	2,883,660	2,875,437	780: 2,908,003	10: 2,918,343	2,874,020
2,896,200	2,896,810	2,883,661	2,900,635	781: 2,870,441	11: 2,869,963	2,902,330
2,896,201	2,903,691	2,914,765	225: 2,869,123	782: 2,870,441	12: 2,892,666	2,902,331
2,897,487	2,912,686	2,872,675	702: 2,872,675	783: 2,870,441	13: 2,892,666	2,902,332
2,898,585	2,915,747	2,872,675	703: 2,874,381	784: 2,870,441	14: 2,892,666	2,902,333
2,900,630	2,917,737	2,875,435	704: 2,874,381	785: 2,870,441	15: 2,892,666	2,902,334
2,900,631	7.4: 2,885,666	2,881,425	705: 2,874,381	786: 2,870,441	16: 2,892,666	2,902,335
2,903,689	2,888,674	2,885,670	706: 2,874,381	787: 2,870,441	17: 2,892,666	2,902,336
2,910,687	7.5: 2,884,627	2,888,675	707: 2,874,381	788: 2,870,441	18: 2,892,666	2,902,337
2,917,735	7.6: 2,885,667	2,898,588	708: 2,874,381	789: 2,870,441	19: 2,892,666	2,902,338
369: 2,874,377	7.7: 2,876,446	2,912,687	709: 2,874,381	790: 2,870,441	20: 2,892,666	2,902,339
2,897,488	2,883,656	2,917,739	710: 2,874,381	791: 2,870,441	21: 2,892,666	2,902,340
2,898,586	2,883,657	2,918,671	711: 2,874,381	792: 2,870,441	22: 2,892,666	2,902,341
2,909,770	2,896,203	2,879,505	712: 2,874,381	793: 2,870,441	23: 2,892,666	2,902,342
2,918,670	2,897,489	2,881,426	713: 2,874,381	794: 2,870,441	24: 2,892,666	2,902,343
377: 2,912,685	2,901,745	2,887,681	714: 2,874,381	795: 2,870,441	25: 2,892,666	2,902,344
378: 2,880,411	2,905,938	2,890,450	715: 2,874,381	796: 2,870,441	26: 2,892,666	2,902,345
2,890,445	2,905,939	2,897,491	716: 2,874,381	797: 2,870,441	27: 2,892,666	2,902,346
2,914,760	2,913,717	2,897,491	717: 2,874,381	798: 2,870,441	28: 2,892,666	2,902,347
379: 2,896,806	8: 2,871,498	2,873,444	718: 2,874,381	799: 2,870,441	29: 2,892,666	2,902,348
381: 2,913,714	2,878,467	2,873,445	719: 2,874,381	800: 2,870,441	30: 2,892,666	2,902,349
383: 2,881,420	2,891,245	2,873,445	720: 2,874,381	801: 2,870,441	31: 2,892,666	2,902,350
384: 2,890,446	2,907,022	2,873,445	721: 2,874,381	802: 2,870,441	32: 2,892,666	2,902,351
2,898,587	2,869,117	2,873,445	722: 2,874,381	803: 2,870,441	33: 2,892,666	2,902,352
2,908,901	2,869,118	2,873,445	723: 2,874,381	804: 2,870,441	34: 2,892,666	2,902,353
2,910,688	2,885,668	2,882,526	724: 2,874,381	805: 2,870,441	35: 2,892,666	2,902,354
2,910,689	2,908,903	2,884,628	725: 2,874,381	806: 2,870,441	36: 2,892,666	2,902,355
2,913,715	2,914,763	2,892,188	726: 2,874,381	807: 2,870,441	37: 2,892,666	2,902,356
386: 2,917,736	2,914,764	2,892,188	727: 2,874,381	808: 2,870,441	38: 2,892,666	2,902,357
388: 2,896,202	2,915,748	2,892,188	728: 2,874,381	809: 2,870,441	39: 2,892,666	2,902,358
392: 2,872,672	10: 2,900,632	2,872,676	729: 2,874,381	810: 2,870,441	40: 2,892,666	2,902,359
2,875,433	11: 2,871,469	2,872,676	730: 2,874,381	811: 2,870,441	41: 2,892,666	2,902,360
2,890,447	2,880,413	2,872,676	731: 2,874,381	812: 2,870,441	42: 2,892,666	2,902,361
2,893,001	2,874,379	2,872,676	732: 2,874,381	813: 2,870,441	43: 2,892,666	2,902,362
2,895,126	2,880,412	2,872,676	733: 2,874,381	814: 2,870,441	44: 2,892,666	2,902,363
2,904,783	2,883,658	2,872,676	734: 2,874,381	815: 2,870,441	45: 2,892,666	2,902,364
2,909,771	2,880,811	2,872,676	735: 2,874,381	816: 2,870,441	46: 2,892,666	2,902,365
393: 2,883,654	2,894,259	2,872,676	736: 2,874,381	817: 2,870,441	47: 2,892,666	2,902,366
396: 2,886,807	2,911,640	2,872,676	737: 2,874,381	818: 2,870,441	48: 2,892,666	2,902,367
397: 2,886,808		2,872,676	738: 2,874,381	819: 2,870,441	49: 2,892,666	2,902,368

1959

## CLASSIFICATION OF DESIGNS

<b>Class D1</b>	32: 184,692	<b>Class D4</b>	2: 186,501	1: 186,362	3: 186,213	1: 184,820
2: 185,364	186,263	2: 184,628	186,580	186,363	186,306	184,824
8: 185,491	186,264	185,066	186,581	186,364	186,365	184,854
12: 184,710		186,101	186,582	186,502	186,428	184,855
185,082			186,583	186,655	186,503	185,164
185,594			186,584	186,656	186,589	185,165
185,737			186,654	186,812	186,590	185,312
185,832			186,760	186,475	186,591	185,561
186,491			186,761	186,678	186,657	185,584
186,492			185,116	186,068	186,710	185,589
			185,462	186,871	186,839	185,850
			185,654	186,872	186,940	185,851
			185,900	186,873	186,874	186,103
			185,953	186,874	184,371	186,164
			185,954	186,938	184,406	186,270
			186,154	6: 184,943	184,478	186,307
			186,494	185,084	184,490	186,308
			186,842	185,115	184,545	186,309
			185,091	185,134	184,546	186,505
			185,129	185,135	184,631	186,506
			185,340	185,136	184,642	186,565
			185,407	185,357	184,708	186,578
			185,429	185,379	185,180	3: 186,104
			185,498	184,388	185,151	186,656
			186,066	184,472	185,383	186,679
			186,155	185,547	185,384	6: 185,771
			186,210	184,571	185,553	8: 184,361
			186,267	184,580	185,845	184,390
			186,427	184,591	186,016	184,407
			186,495	184,598	186,214	184,602
			186,843	184,622	186,215	184,655
				184,401	186,269	184,656
				184,414	186,670	185,212
				184,415	186,367	185,477
				185,032	186,368	185,793
				185,601	184,732	185,903
				7: 184,489	184,756	186,105
				184,519	184,781	186,310
				186,361	184,782	11: 184,751
				8: 184,362	184,784	184,992
				184,420	184,785	184,993
				184,620	184,787	185,540
				184,664	186,877	185,563
				184,758	184,838	185,676
				184,665	184,839	185,770
				184,666	184,879	186,513
				184,745	184,880	
				185,044	184,889	
				185,202	184,921	
				185,476	184,958	
				186,067	184,962	
				186,304	185,033	
				186,305	185,039	
				186,586	185,040	
				186,587	185,058	
				186,588	185,146	
				186,762	185,167	
				186,763	185,174	
				186,811	185,183	
				9: 184,732	185,203	
				10: 185,254	185,213	
					185,217	
					185,223	
					185,228	
					184,542	
					185,239	
					185,299	
					185,307	
					185,356	
					185,375	
					185,402	
					185,438	
					185,457	
					185,573	
					185,718	
					185,751	
					185,753	
					185,755	
					185,848	
					185,902	
					186,163	
					186,592	







## Class D48—Con.

6: 185,214  
185,332  
185,432  
185,538  
186,411  
186,472  
186,913  
8: 184,207  
184,358  
184,391  
184,393  
184,434  
184,474  
184,524  
184,966  
184,969  
184,991  
185,021  
185,095  
185,296  
185,526  
185,557  
185,602  
185,721  
185,880  
185,881  
185,926  
185,991  
186,055  
186,085  
186,245  
186,412  
186,413  
9: 185,247  
186,553  
10: 185,724  
11: 184,759  
185,261  
185,351  
186,828  
12: 184,473  
184,574  
184,589  
184,720  
185,138  
185,265  
185,433  
185,576  
185,617  
185,636  
185,882  
185,992  
186,136  
186,414  
186,554  
12.6: 184,633  
186,291  
13: 184,213  
184,276  
184,354  
184,403  
184,484  
184,593  
184,671  
184,916  
185,241  
185,463  
185,628  
185,652  
185,777  
185,924  
186,631  
186,829  
17: 184,461  
184,558  
184,746  
184,803  
185,050  
185,488  
185,674  
185,927  
186,195  
186,694  
186,914  
25: 185,925  
186,137  
186,138  
186,246  
186,292  
186,632  
26: 184,315  
184,600  
184,673  
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185,179  
185,234  
185,358  
185,363  
185,369  
185,456  
185,754  
185,893

26: 185,884

185,993  
186,415  
186,555  
186,859  
186,915

## Class D59

2: 184,320

184,954  
184,955  
186,695  
6: 185,622  
185,623

## Class D61

1: 184,214

184,215  
184,220  
184,221  
184,245  
184,287  
184,405  
184,421  
184,426  
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184,514  
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184,563  
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## Class D65

1: 184,635

184,903  
185,469  
185,471  
185,500  
185,501  
185,548  
185,595  
185,606  
185,668  
185,670  
185,693  
185,817  
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186,697  
186,729  
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186,830  
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186,917  
186,959  
186,960

## Class D66

1: 184,336

184,522  
184,725  
186,198

## Class D67

1: 184,325

3: 184,310  
184,311  
184,647  
184,682  
184,780  
184,864  
184,865  
185,272  
186,057

## Class D68

1: 186,056

## Class D69

1: 185,686

## Class D70

1: 184,409

184,556  
185,431  
185,657  
186,142  
186,293  
186,417  
186,795  
2: 184,676  
184,750  
185,081  
185,542  
185,756  
185,930  
186,738  
186,800  
3: 185,818  
4: 184,288  
184,308  
184,465  
184,468  
184,863  
185,191  
185,700  
185,748

## Class D62

2: 184,305

185,112  
186,338  
186,416  
186,731  
186,732  
186,733  
186,734  
186,735  
186,736  
186,737  
186,738  
186,800  
3: 185,818  
4: 184,288  
184,308  
184,465  
184,468  
184,863  
185,191  
185,700  
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## Class D63

1: 184,645

184,835  
185,589

## Class D64

10: 185,515

11: 184,496  
184,603  
184,790  
185,385  
185,387  
185,393  
185,819  
185,929  
186,139  
186,197  
186,475  
186,476  
186,477  
186,633  
186,740  
186,794  
186,832  
12: 185,324  
186,140  
16: 186,141  
17: 185,126  
185,646  
186,741

## Class D65

1: 184,635

184,903  
185,469  
185,471  
185,500  
185,501  
185,548  
185,595  
185,606  
185,668  
185,670  
185,693  
185,817  
185,885  
185,928  
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## Class D66

1: 184,336

184,522  
184,725  
186,198

## Class D67

1: 184,325

4: 185,886

185,887  
186,739  
186,793

## Class D63

1: 184,645

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## Class D64

10: 185,515

11: 184,496  
184,603  
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## Class D65

1: 184,635

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## Class D66

1: 184,336

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## Class D67

1: 184,325

3: 184,310  
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## Class D68

1: 186,056

## Class D69

1: 185,686

## Class D70

1: 184,409

184,556  
185,431  
185,657  
186,142  
186,293  
186,417  
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## Class D62

2: 184,305

185,112  
186,338  
186,416  
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186,732  
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## Class D63

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## Class D64

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## Class D65

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## Class D66

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## Class D67

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**LIST OF PATENT, DESIGN, PLANT PATENT, AND REISSUE  
NUMBERS APPEARING IN THE OFFICIAL GAZETTE FOR 1959**

Issue of	Vol.	No.	First Number in Issue			
			Patents	Designs	Plant Patents	Reissues
Jan. 6	738	1	2,866,973	184,204	1,792	24,584
Jan. 13		2	2,867,806	184,247	1,795	24,586
Jan. 20		3	2,869,126	184,272	1,801	24,590
Jan. 27		4	2,870,445	184,297	1,804	24,594
Feb. 3	739	1	2,871,479	184,327	1,805	24,597
Feb. 10		2	2,872,682	184,388	1,808	24,598
Feb. 17		3	2,873,446	184,416	1,811	24,600
Feb. 24		4	2,874,383	184,471	1,812	24,606
Mar. 3	740	1	2,875,445	184,503	1,814	24,612
Mar. 10		2	2,876,450	184,552	1,816	24,616
Mar. 17		3	2,877,460	184,593	1,820	24,621
Mar. 24		4	2,878,474	184,652	1,822	24,623
Mar. 31		5	2,879,509	184,700	1,823	24,624
Apr. 7	741	1	2,880,419	184,790	1,825	24,626
Apr. 14		2	2,881,437	184,846	1,826	24,629
Apr. 21		3	2,882,528	184,905	None	24,634
Apr. 28		4	2,883,666	184,973	1,827	24,640
May 5	742	1	2,884,634	185,056	1,829	24,644
May 12		2	2,885,679	185,112	1,832	24,645
May 19		3	2,886,815	185,184	1,835	24,651
May 26		4	2,887,685	185,253	1,836	24,652
June 2	743	1	2,888,679	185,341	1,838	24,654
June 9		2	2,889,554	185,409	1,839	24,656
June 16		3	2,890,453	185,485	1,845	24,657
June 23		4	2,891,249	185,525	1,848	24,661
June 30		5	2,892,192	185,589	1,849	24,662
July 7	744	1	2,893,005	185,621	None	24,665
July 14		2	2,894,262	185,655	1,850	24,667
July 21		3	2,895,135	185,692	1,853	24,668
July 28		4	2,896,208	185,729	None	24,672
Aug. 4	745	1	2,897,500	185,780	1,856	None
Aug. 11		2	2,898,594	185,832	1,858	24,678
Aug. 18		3	2,899,679	185,898	1,859	24,681
Aug. 25		4	2,900,637	185,949	None	24,689
Sept. 1	746	1	2,901,749	186,013	1,861	24,693
Sept. 8		2	2,902,689	186,064	1,862	24,695
Sept. 15		3	2,903,696	186,098	1,864	24,698
Sept. 22		4	2,904,785	186,152	1,866	24,702
Sept. 29		5	2,905,941	186,208	1,869	24,704
Oct. 6	747	1	2,907,037	186,260	1,870	24,709
Oct. 13		2	2,908,007	186,301	1,872	24,718
Oct. 20		3	2,908,908	186,355	1,873	24,721
Oct. 27		4	2,909,780	186,424	1,874	24,725
Nov. 3	748	1	2,910,697	186,491	1,876	24,731
Nov. 10		2	2,911,645	186,568	1,878	24,732
Nov. 17		3	2,912,697	186,651	1,879	24,734
Nov. 24		4	2,913,728	186,707	1,881	24,738
Dec. 1	749	1	2,914,768	186,758	1,882	24,740
Dec. 8		2	2,915,753	186,809	1,883	24,745
Dec. 15		3	2,916,740	186,839	1,889	24,747
Dec. 22		4	2,917,747	186,867	1,890	24,757
Dec. 29		5	2,918,674	186,936	1,891	24,759
Last number of 1959			2,919,442	186,972	1,892	24,760



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# LIST OF DISCLAIMERS AND DEDICATIONS

- Adler, Robert, Northfield, Ill. Disclaimer filed by the assignee, Zenith Radio Corporation. No. 2,845,697; disclaimer filed May 13, 1959; v. 743; p. 733.
- Aeberly, Robert A., Elmhurst, Ill., and Ralph A. Clark, Berkeley, Mich. Disclaimer filed by the assignee, Union Carbide Corporation. No. 2,778,732; disclaimer filed June 12, 1959; v. 744; p. 349.
- Ankersen, Borge Richard, Butler, Pa. Disclaimer filed by the inventor; the exclusive licensee, Ajax Electric Company, approving. No. 2,816,849; disclaimer filed Apr. 23, 1959; v. 742; p. 857.
- Baermann, Max, Cologne, Germany. Disclaimer filed by the inventor. No. 2,854,598; disclaimer filed Oct. 21, 1959; v. 748; p. 871.
- Baker, Floyd A., Los Angeles, Calif. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,752,560; disclaimer filed July 1, 1959; v. 745; p. 2.
- Banko, George, Cleveland, Ohio. Dedication filed by the assignee, Allegheny Ludlum Steel Corporation. Re. No. 24,439; dedication filed June 15, 1959; v. 744; p. 349.
- Barnhart, Philip W., University Park, Md. Disclaimer filed by the inventor; the assignee, United States Government as represented by the Secretary of the Navy, assenting. No. 2,754,474; disclaimer filed Oct. 1, 1959; v. 748; p. 278.
- Batdorf, Jack B., Wilmington, Del. Dedication filed by the assignee, Hercules Powder Company. No. 2,865,853; dedication filed Oct. 23, 1959; v. 749; p. 1100.
- Biswell, Charles B., Woodstown, N.J. Disclaimer filed by the assignee, E. I. du Pont de Nemours and Company. No. 2,734,808; disclaimer filed July 22, 1959; v. 746; p. 1.
- Bivens, Maurice E., Schenectady, N.Y. Disclaimer filed by the assignee, General Electric Company. No. 2,614,240; disclaimer filed July 1, 1959; v. 745; p. 2.
- Brockwell, Lloyd A., Moorestown, N.J., and William N. Moule, Haddonfield, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,762,881; disclaimer filed Mar. 5, 1959; v. 741; p. 289.
- Brown, Walter J., Cleveland Heights, and John E. Shomer, Lakewood, Ohio. Disclaimer filed by the assignee, Clevite Corporation. No. 2,405,134; disclaimer filed May 18, 1959; v. 744; p. 2.
- Carlisle, Benjamin H., South Euclid, Ohio. Disclaimer filed by the assignee, The Clark Controller Company. No. 2,798,170; disclaimer filed Sept. 28, 1959; v. 748; p. 582.
- Chase, Leland H., Port Washington, N.Y. Disclaimer filed by the assignee, Holmes Electric Protective Company. No. 2,877,361; disclaimer filed Apr. 27, 1959; v. 742; p. 857.
- Corbin, Robert B., Oak Park, Ill. Disclaimer filed by the assignee, Motorola, Inc. No. 2,846,596; disclaimer filed Mar. 23, 1959; v. 741; p. 918.
- Croco, Charles P., and Charles H. Jennings, Buffalo, Ray Verne Lester, Kenmore, and Emil F. Steinert, Williams-ville, N.Y. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,752,529; disclaimer filed Nov. 6, 1959; v. 749; p. 271.
- De Groote, Melvin, University City, and Owen H. Pettingill, Kirkwood, Mo. Disclaimer and dedication filed by the assignee, Petrolite Corporation. No. 2,819,213; disclaimer and dedication filed Jan. 28, 1959; v. 740; p. 2.
- De Groote, Melvin, University City, and Owen H. Pettingill, Kirkwood, Mo. Disclaimer and dedication filed by the assignee, Petrolite Corporation. No. 2,819,214; disclaimer and dedication filed Jan. 28, 1959; v. 740; p. 2.
- Ditman, John G., Newark, and Frederic T. Mertens, Rutherford, N.J. Disclaimer filed by the assignee, Foster Wheeler Corporation. No. 2,809,885; disclaimer filed July 20, 1959; v. 743; p. 271.
- Dodson, Alfred Mead, Hopewell, Va. Dedication filed by the assignee, Hercules Powder Company. No. 2,478,379; dedication filed Oct. 23, 1959; v. 749; p. 1099.
- Dorf, Richard H., New York, N.Y. Disclaimer filed by the inventor. No. 2,835,814; disclaimer filed Feb. 2, 1959; v. 740; p. 281.
- Earle, William R., Burtonsville, and Frederick Highhouse, Germantown, Md. Dedication filed by the assignee, United States of America as represented by the Secretary of Health, Education and Welfare. No. 2,858,036; dedication filed Feb. 27, 1959; v. 741; p. 1.
- Epstein, Herman, West Chester, Pa. Disclaimer filed by the assignee, Burroughs Corporation. No. 2,795,776; disclaimer filed June 10, 1959; v. 744; p. 349.
- Fan, Sin-ph, Philadelphia, Pa. Disclaimer filed by the assignee, Burroughs Corporation. No. 2,806,979; disclaimer filed Mar. 17, 1959; v. 741; p. 595.
- Farber, Eduard, and Matthew Sciascia, Washington, D.C. Dedication filed by the assignee, Timber Engineering Company. No. 2,655,454; dedication filed Jan. 6, 1959; v. 739; p. 2.
- Ferlauto, Robert J., Doylestown, and Russell E. Rhodes, Ardsley, Pa. Disclaimer filed by the assignee, Smith Kline & French Laboratories. No. 2,822,314; disclaimer filed Jan. 26, 1959; v. 739; p. 805.
- Gailliot, Paul, Paris, and Jean Baget, Erment, France. Disclaimer filed by the inventors and the assignee, Societe des Usines Chimiques Rhone-Poulenc. No. 2,837,513; disclaimer filed Aug. 18, 1959; v. 746; p. 863.
- Gow, James D., Berkeley, Calif. Disclaimer filed by the inventor; the assignee, Chromatic Television Laboratories, Inc., assenting. No. 2,721,293; disclaimer filed Jan. 7, 1959; v. 740; p. 1.
- Griebsch, Eugen, Berlin-Charlottenburg, Gerhard Zuchsdorff, Berlin-Frohnau, and Klaus Pirner, Berlin-Britz, Germany. Disclaimer filed by the assignee, Schering A.G. No. 2,828,306; disclaimer filed Feb. 17, 1959; v. 741; p. 1.
- Grinspoon, Harold, Springfield, Mass. Disclaimer filed by the assignee, Multi-Carton Corporation. No. 2,798,603; disclaimer filed Feb. 19, 1959; v. 741; p. 1.
- Gross, Bernard, and Leo W. Cornwell, San Diego, Calif. Disclaimer filed by the assignee, Rohr Aircraft Corporation. No. 2,396,005; disclaimer filed July 20, 1959; v. 745; p. 883.
- Harrel, Chastain G., and Helen A. Baeder, Minneapolis, Minn. Disclaimer filed by the assignee, The Pillsbury Company. No. 2,850,394; disclaimer filed Dec. 5, 1958; v. 738; p. 1.
- Hasbrook, Arthur F., Bexar County, Tex. Disclaimer filed by the assignee, Olive S. Petty. No. 2,746,034; disclaimer filed Feb. 2, 1959; v. 740; p. 281.
- Hergenrother, Rudolf C., West Newton, Mass. Disclaimer filed by the inventor and the assignee, Raytheon Company. No. 2,548,789; disclaimer filed June 4, 1959; v. 744; p. 2.
- Hoberg, George G., Berwyn, Pa. Disclaimer filed by the assignee, Burroughs Corporation. No. 2,857,552; disclaimer filed Aug. 26, 1959; v. 747; p. 537.
- Hoehn, John J., Merchantville, and Fielding B. Hills, Ateo, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,838,305; disclaimer filed Oct. 12, 1959; v. 748; p. 282.
- Hull, Henry E., and Paul G. Perry, Columbus, Ohio. Disclaimer and dedication filed by the assignee, Drilling Research, Inc. No. 2,795,397; disclaimer and dedication filed June 25, 1959; v. 744; p. 897.
- Jameson, Howard L., Ferndale, Mich., and Joseph E. Micksch, Ashtabula, Ohio. Disclaimer filed by the assignee, Harry W. Dietert Company. No. 2,855,095; disclaimer filed June 12, 1959; v. 744; p. 897.
- Johnson, Leopold J., Anaheim, Calif. Disclaimer filed by the assignee, Siegler Corporation. No. 2,854,617; disclaimer filed Oct. 12, 1959; v. 748; p. 582.
- Jones, Harry W., Knoxville, Tenn. Disclaimer filed by the assignee, Dempster Brothers, Inc. No. 2,702,142; disclaimer filed Feb. 24, 1959; v. 741; p. 1.
- Jones, Spencer Selth Duniam, Malvern, England. Disclaimer filed by the assignee, National Research Development Corporation. No. 2,720,588; disclaimer filed Apr. 15, 1959; v. 742; p. 291.
- Judd, Oliver S., Louisville, Ky. Dedication filed by the assignee, Minnesota Mining and Manufacturing Company. No. 2,765,598; dedication filed June 29, 1959; v. 745; p. 309.
- Judy, Robert V., Chicago, Ill. Disclaimer filed by the assignee, International Telephone and Telegraph Corporation. No. 2,791,632; disclaimer filed Mar. 24, 1959; v. 741; p. 918.
- Kazan, Benjamin, Princeton, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,777,040; disclaimer filed Mar. 27, 1959; v. 741; p. 918.
- Keldel, Frederick A., Wilmington, Del. Disclaimer filed by the assignee, E. I. du Pont de Nemours and Company. No. 2,816,067; disclaimer filed June 29, 1959; v. 745; p. 2.
- Kelly, Gordon E., Collingswood, and Robert D. Flood, Haddonfield, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,737,609; disclaimer filed Mar. 25, 1959; v. 741; p. 918.
- Kiser, Jackson Sebree, Orangeburg, N.Y., and John A. Roberts, Westwood, N.J. Dedication filed by the assignee, American Cranamid Company. No. 2,806,789; dedication filed May 28, 1959; v. 744; p. 2.
- Kistner, Merrill M., Chicago, Ill. Disclaimer filed by the assignee, Steam Iron Corporation. No. 2,813,382; disclaimer filed July 3, 1959; v. 745; p. 2.



- Kleist, Herman W., Chicago, Ill. Disclaimer filed by the assignee, Dole Refrigerating Company. No. 2,436,389; disclaimer filed Sept. 22, 1959; v. 747; p. 790.
- Kunz, William J., Jr., and Warner C. Wintrobe, South Bend, Ind. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,762,194; disclaimer filed Mar. 30, 1959; v. 743; p. 509.
- Lee, Leighton, II, Rocky Hill, Conn. Disclaimer filed by the assignee, Chandler Evans Corporation. No. 2,688,229; disclaimer filed Sept. 1, 1959; v. 747; p. 1.
- Mesbberg, Philip, Fairfield, Conn. Disclaimer filed by the inventor. No. 2,837,249; disclaimer filed June 3, 1959; v. 744; p. 2.
- Mitchell, Lester F., Shaker Heights, and Edward J. Janke, Cleveland, Ohio. Disclaimer filed by the assignee, Addressograph-Multigraph Corporation. No. 2,832,290; disclaimer filed Aug. 12, 1959; v. 746; p. 553.
- Mock, Frank C., and Thomas J. Thompson, South Bend, Ind. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,774,215; disclaimer filed Jan. 26, 1959; v. 739; p. 805.
- Morrison, William A., Easton, Pa. Disclaimer filed by the assignee, Ingersoll-Rand Company. No. 2,886,004; disclaimer filed June 10, 1959; v. 744; p. 349.
- McAfee, Robert E., Fort Wayne, Ind. Disclaimer filed by the assignee, International Harvester Company. No. 2,738,650; disclaimer filed Jan. 30, 1959; v. 740; p. 565.
- McIntyre, Brouwer D., and William D. McIntyre, Monroe, Mich. Disclaimer filed by the assignee, Monroe Auto Equipment Company. No. 2,874,955; disclaimer filed Aug. 28, 1959; v. 747; p. 1.
- McPherson, George, Jr., Columbus, Ohio. Disclaimer and dedication filed by the assignee, Drilling Research, Inc. No. 2,745,998; disclaimer and dedication filed June 25, 1959; v. 744; p. 897.
- O'Brien, Edward L., Mansfield, Ohio. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,798,143; disclaimer filed Nov. 16, 1959; v. 749; p. 1099.
- Odell, Alexander Douglas, Aldwyck, London, England. Disclaimer filed by the assignee, International Standard Electric Corporation. No. 2,688,695; disclaimer filed Jan. 12, 1959; v. 739; p. 546.
- Offerman, Seymour, Great Neck, N.Y. Disclaimer filed by the inventor; the assignee, Industrial Hardware Manufacturing Co., Inc., consenting. No. 2,796,593; disclaimer filed Mar. 27, 1959; v. 744; p. 897.
- Olshel, John R., Buffalo, N.Y. Disclaimer filed by the assignee, Trico Products Corporation. No. 2,773,353; disclaimer filed Apr. 8, 1959; v. 742; p. 291.
- Olson, Elmer and Lawrence C. Dermond, Rochester, N.Y. Disclaimer filed by the assignee, General Motors Corporation. No. 2,771,282; disclaimer filed July 20, 1959; v. 746; p. 271.
- Phillips, Henry W., Kenmore, N.Y. Disclaimer filed by the assignee, American Machine & Foundry Company. No. 2,688,053; disclaimer filed Dec. 8, 1958; v. 738; p. 1.
- Pierson, Knute Henry, Seattle, Wash., and Wayne F. Meinhardt, Davenport, Iowa. Disclaimer filed by the assignee, Montgomery Elevator Company. No. 2,867,291; disclaimer filed Oct. 22, 1959; v. 748; p. 871.
- Ransburg, Edwin M., Indianapolis, Ind. Disclaimer filed by the assignee, Ransburg Electro-Coating Corp. No. 2,809,902; disclaimer filed Dec. 4, 1958; v. 738; p. 1.
- Reid, Alan A., Minneapolis, Minn. Disclaimer filed by the inventor and assignee, West D. Stotts. No. 2,737,765; disclaimer filed Sept. 25, 1959; v. 748; p. 2.
- Rimington, Claude, London, Alexander Lawson, Southgate, London, Charles E. Searle, Englefield Green, and Harold Victor Morley, London, England. Disclaimer filed by the assignee, National Research Development Corporation. No. 2,815,349; disclaimer filed Dec. 18, 1958; v. 738; p. 587.
- Roplequet, Richard L., Portland, and John R. Kobbe, Beaverton, Oreg. Disclaimer filed by the assignee, Tektronix, Inc. No. 2,853,609; disclaimer filed Sept. 17, 1958; v. 739; p. 346.
- Scheffer, Paul H., Jr., Kansas City, Mo., and Robert R. Young, Overland Park, Kans. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,888,286; disclaimer filed Nov. 12, 1959; v. 749; p. 543.
- Schiesinger, Kurt, Maywood, Ill. Disclaimer filed by the assignee, Motorola, Inc. No. 2,755,410; disclaimer filed Aug. 26, 1959; v. 747; p. 1.
- Schrenk, Hans Alwin, Arnhem, Pieter van Dijk, Velp, and James Watt Ijsbrand Heijnis, Arnhem, Netherlands. Disclaimer filed by the assignee, American Enka Corporation. No. 2,855,750; disclaimer filed Feb. 2, 1959; v. 740; p. 1.
- Sensiper, Samuel, Los Angeles, Calif. Disclaimer filed by the assignee, Hughes Aircraft Company. No. 2,806,972; disclaimer filed Feb. 2, 1959; v. 740; p. 281.
- Sensiper, Samuel, Los Angeles, Calif. Disclaimer filed by the assignee, Hughes Aircraft Company. No. 2,815,466; disclaimer filed Feb. 2, 1959; v. 740; p. 281.
- Sperry, Albert F., Chicago, Ill. Disclaimer filed by the assignee, Panellit, Inc. No. 2,709,249; disclaimer filed Dec. 24, 1958; v. 739; p. 2.
- Spurgeon, Samuel J., Birmingham, Ala. Disclaimer filed by the inventor. No. 2,681,717; disclaimer filed Feb. 18, 1959; v. 740; p. 1139.
- Sternglass, Ernest J., Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,760,107; disclaimer filed Jan. 5, 1959; v. 739; p. 330.
- Stokes, Jerry C., Erie, Pa. Disclaimer and dedication filed by the assignees, Gordon C. Swenson and Hulda J. Swenson. No. 2,768,483; disclaimer and dedication filed Sept. 28, 1959; v. 748; p. 278.
- Striker, Ralph H., Independence, Mo. Dedication filed by the assignee, Earl F. Simmons. No. 2,857,286; dedication filed Nov. 12, 1959; v. 749; p. 1099.
- Sweet, Walter J., Wilmington, Del. Dedication filed by the assignee, Hercules Powder Company. No. 2,865,854; dedication filed Oct. 23, 1959; v. 749; p. 1100.
- Tompkins, Howard E., Ridley Park, Pa. Disclaimer filed by the assignee, Burroughs Corporation. No. 2,802,138; disclaimer filed July 20, 1959; v. 746; p. 1.
- Vining, Henry L., Dallas, Tex. Disclaimer filed by the inventor. No. 2,572,786; disclaimer filed Dec. 22, 1958; v. 738; p. 939.
- Weinrich, William W., Wallingford, Pa. Disclaimer filed by the assignee, Houdry Process Corporation. No. 2,587,669; disclaimer filed Mar. 23, 1959; v. 741; p. 918.
- West, James R., New Holland, Pa. Disclaimer filed by the assignee, Sperry Rand Corporation. No. 2,797,795; disclaimer filed Dec. 3, 1958; v. 738; p. 939.
- Whitehurst, Harry B., Granville, William H. Otto, Newark, Ohio. Disclaimer filed by the assignee, Owens-Corning Fiberglas Corporation. No. 2,772,518; disclaimer filed Oct. 8, 1959; v. 748; p. 582.
- Wiese, Emil J., Flint, Mich. Disclaimer filed by the assignee, General Motors Corporation. No. 2,860,905; disclaimer filed Nov. 12, 1959; v. 749; p. 825.
- Wise, Boyd A., Donald E. Cooper, and Robert L. Thompson, Columbus, Ohio. Disclaimer and dedication filed by the assignee, Drilling Research, Inc. No. 2,858,108; disclaimer and dedication filed June 25, 1959; v. 744; p. 897.
- Woodson, Thomas T., Bridgeport, Conn. Disclaimer filed by the assignee, General Electric Company. No. 2,599,307; disclaimer filed July 20, 1959; v. 745; p. 883.
- Yochim, Albert, Villa Park, Ill. Disclaimer filed by the assignee, Minnesota Mining and Manufacturing Company. No. 2,756,875; disclaimer filed Apr. 30, 1959; v. 744; p. 599.
- Zworykin, Vladimir K., Princeton, N.J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,725,420; disclaimer filed Mar. 18, 1959; v. 741; p. 595.

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## DECISIONS PUBLISHED IN THE OFFICIAL GAZETTE

- Altmann et al., In re. 738 O.G. 943.
- Anchlin, In re. 738 O.G. 942.
- Application Papers Filed December 22, 1958. 746 O.G. 868.
- Archer v. Papa. 745 O.G. 892.
- Armour Research Foundation of Illinois Institute of Technology v. Robert C. Watson, Commissioner of Patents. 744 O.G. 353.
- Atwood, In re. 747 O.G. 4.
- Bayard, In re. 747 O.G. 543.
- Beeber et al., Ex parte. 747 O.G. 8.
- Benson, In re. 744 O.G. 353.
- Bernard, In re. 748 O.G. 282.
- Bickell, Leslie K., et al., Ex parte. 743 O.G. 737.
- Bluestone v. Schmerling. 744 O.G. 900.
- Brownlee, Ex parte. 744 O.G. 356.
- Cabot, Godfrey L., Inc. v. Robert C. Watson, Commissioner of Patents. 738 O.G. 4.
- Calderwood, In re. 746 O.G. 6.
- Chmielek et al., In re. 741 O.G. 3.
- Danly, In re. 742 O.G. 618.
- Devine, In re. 739 O.G. 334.
- Diamond, Ex parte. 746 O.G. 1195.
- Dubois et al., In re. 739 O.G. 811.
- Eckey, Eddy W., v. Robert C. Watson, Commissioner of Patents. 745 O.G. 313.
- Evans, Merlin M., v. Robert C. Watson, Commissioner of Patents et al. 745 O.G. 5.
- Fahnoe et al., In re. 749 O.G. 547.
- Fitzgerald v. Arbib et al. 748 O.G. 5.
- Fleissner, In re. 744 O.G. 902.
- Fried et al. v. Murray et al. 746 O.G. 12.
- Fried et al. v. Murray et al. 746 O.G. 563.
- Goldschmidt et al., Ex parte. 746 O.G. 277.
- Greenlee, Ex parte. 748 O.G. 281.
- Haloro, Inc. v. Owens-Corning Fibreglas Corporation. 744 O.G. 5.
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